

NOVEMBER – DECEMBER 1971

FLORIDA GARDENER



Calendar of Events

COMING EVENTS 1971

LDS Course I, Series VI, Jacksonville Nov. 17-19

1972

Arbor Day January 21

Deep South Regional Meeting, Jacksonville March 8-10

State Flower Show, Jacksonville March 10-12

Blanche Covington Nature Study Course, O'Leno S. Park April 23-29

Bird Day May 1

State Convention, Sarasota May 2-4

LDS Course II, Series VI, Jacksonville May 10-12

NCSGC Convention, Cleveland, Ohio May 13-18

BOARD OF DIRECTORS MEETING

Headquarters, Winter Park Jan. 18-19, 1972

1973 STATE CONVENTION, ORLANDO

1974 STATE CONVENTION, TALLAHASSEE

HOW DOES YOUR GARDEN GROW?

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The advertisement features a central illustration of gardening supplies. On the left is a stack of dark-colored pots. In the foreground, there is a pair of white gardening gloves, a ball of twine, and a shovel. A butterfly is shown flying in the center. To the right, a wheelbarrow is filled with several bags of fertilizer, including one labeled 'NITRO 40' and another '30% OROF 84'. A row of stylized flowers is depicted in the middle ground. The Sunniland logo, a stylized 'S' inside a square, is in the bottom right corner.



THE FLORIDA GARDENER

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SERIES VI NO. 1,

NOVEMBER 17-19, 1971

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SEPTEMBER-OCTOBER ISSUE

COURTESY OF
CYPRESS GARDENS

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COVER STORY

Bromeliad, Enchorlirium, Northern Brazil, growing at Mary Heinelein's Nursery, Homestead, Fla.

COMMITMENT TO SERVE MAN AND PRESERVE NATURE

We consider our job to be two-fold:
to serve the community while protecting
the environment and its natural beauty.



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Mrs. Jack Allen, Editor

President's Message



When this issue reaches you, the President and Officers will have completed the tour of the twelve District Meetings. The informative programs projecting new ideas as well as the enthusiasm of those attending were an inspiration. Sincere appreciation is extended to the Directors for their efficient planning and to the hostess clubs for the courtesies extended.

Your President represented you in St. Louis, Missouri at the National Council Board Meeting this Fall and received information, inspiration and enthusiasm to share with you and to last throughout the coming year.

By now plans and projects are well underway. Remember award deadlines are drawing near. Apply for both state and national awards. Your clubs and members are doing fine work. Make this effort to bring recognition to your club and community as well as sharing ideas with our members. This furthers our theme of "Friendship and Unity in Gardening."

Since you may not receive the next issue of the Gardener in time to make plans for January, remember Arbor

Day on the third Friday. Trees are important to combat air pollution. They help create oxygen as well as beauty. Encourage your friends to plant, too. Our National Council President urges us to do so by her theme, "A Cleaner, Greener Land." Junior, Intermediate and High School Gardeners enjoy participating in this project.

At this time most of us are planning for a Happy Thanksgiving Holiday for our families. Let us reflect and give thanks for our good life and also share it with others.

With the Christmas and New Year Holiday season soon approaching, let us also be mindful of the less fortunate and participate in programs on Garden Therapy and World Gardening.

Keep in mind after the Holidays are over to attend the Tropical Short Course. Fine speakers are planned to offer new ideas and sharing of their knowledge.

Your President and Board of Directors wish you a joyous Christmas Season and a wish for a Happy New Year filled with peace and happiness.

Cordially yours,

Mrs. Andrew A. Gurke



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NEW HOPE FOR ENVIRONMENTAL HARMONY AND WEAVING IN FLORIDA DEVELOPMENT



In the November-December 1970 issue of the Florida Gardener, we ran a book review by Dayis Muth of Ian McHarg's *Design With Nature*, a book in which ecological planning methods for land, highway and community developments are outlined. Little did we know at the time of publication how soon we would be witnessing the land development contributions of Mr. McHarg in the State of Florida on Amelia Island near Fernandina Beach.

For the past six months, Ian McHarg and one of the most comprehensive ecological planning teams ever assembled by private enterprise (South Carolina planner and developer, Charles E. Fraser) have been developing plans for a resort and recreation community or small groups of communities. The basic plans outlined in McHarg's *Design With Nature* have been followed. This includes recommendations of cluster building where possible, leaving significant areas of open space, and the building of

residential units along high ground, concentrating recreational amenities along the long-term flood plains where the natural life zones are most critical. For years, Mr. Fraser and Sea Pines Co. have followed developmental policies which have violated traditional developers' practices by methodically and often expensively attempting to be in harmony with environmental interests and qualities. For these policies and plans, Mr. Fraser and Sea Pines Plantation at Hilton Head Island became the first planned community to win the coveted American Institute of Architects Design Award, some four years ago, before the interest in ENVIRONMENT reached its encouraging condition today.

Mr. Fraser and Sea Pines also gained notoriety two years ago when he purchased two major tracts on Cumberland Island, Georgia and became involved in a debate with the other land holders over whether or not to open the island to development. He settled

the matter last year when he sold the company's holdings to the National Park Service Foundation.

The first portion of the Sea Pines Community project to be completed will be the Compass Club Inn which will be located behind the secondary dune line on a rise overlooking the ocean. The inn is being designed to provide a family or intimate experience for guests and as a result is limited to only 42 rooms.

One of the reasons cited by Mr. Fraser for selecting Mr. McHarg for the environmental land planning of the project is McHarg's experience with beach environments, particularly the problems of protecting dune areas. The Amelia Island Company has already initiated a program to stabilize dunes in the area including construction of dune fences and planting dune grass.

Dune buggies, trail bikes and even grass poachers who steal the sea oats for commercial purposes have plagued the project; but nevertheless, great progress has been made. Amelia Island Company General Manager, Frank Brumley, bemoans the inadequacies of Florida law on dune grass poaching as being a severe handicap to stabilizing dunes in Florida.

In addition to six miles of beach front, the Amelia Island Company also has several miles of beautiful marshes, over 900 acres of which are to become a private marshbank by the (AIC) Company. This would forcibly perpetuate the preservation of the marshlands by the Amelia Island Company or by any future owners that might come into title of the property.

In protecting the marshes, a course has been clearly set which is radically different from that usually adopted by traditional Florida developers who have followed a practice of enhancing land values by providing direct water access to as many parcels as possible by dredging and spoil filling marshes.

Sea Pines Plantation is also located along marsh land on Hilton Head but

provides water use outlets for its resort community through the use of three centrally located marinas. These facilities utilize less than one percent of the marsh area which would have been displaced had the conventional dredge and fill formula been followed. At Amelia, the McHarg firm has thus far isolated two very low productive areas of low land which they feel would be compatible with a marina type of facility.

The Amelia project will resemble the Sea Pines Plantation by featuring green space, historic preservation and environmental preservation zones. At least 1,350 acres of the Sea Pines Plantation has been dedicated to open spaces, historic and environmental preservation areas known as the Woodlands Preserve Zones. This does not include the four golf course areas on the property.

The most significant portion of the Woodlands Preservation Zones is a project known as the Sea Pines Forest Preserve, an over 700 acre area which features 7 miles of nature trails and equestrian trails. Boardwalks cross saw grass marshes and a dramatic observation deck overlooks an 18th Century rice field which has been reflooded and planted so that it attracts a wide variety of waterfowl birds.

In addition, a 15 acre fishing pond has been outfitted with small docks and boats for use by the guests and residents and a small organic farm has been set aside for use by residents interested in organic farming.

A special nature trail network is planned for the Amelia Island project as are several environmental studies zones. Green belts and open spaces are being recommended throughout the project as is a major environmental interpretation area. Overall, Amelia Island is far from a pristine environment because of the high degree of development on the northern part of the island, but the southern section is still relatively untrammelled.

continued page 7

"CHRONOLOG"

MRS. MELVILLE HALL

With the formal opening of Florida Federation of Garden Clubs beautiful State Headquarters at Winter Park Feb. 2, 1961, dreams came true for thousands of garden club members who had yearned for an official home.

Through the intervening years since that memorable day when National Council's First Vice President, Mrs. Charles B. Nettleton dedicated it to "The Glory of God in grateful appreciation of His manifold expressions of beauty . . . to the useful purposes of the Florida Federation of Garden Clubs and its services to the communities of the state and to its contributions to the beauty of our nation" the building has truly been a home around which members' heart-strings have become more deeply entwined.

Careful planning, many helping hands, the wise expenditure of funds, and hard work have gone into making this functional building and its nicely landscaped grounds beautiful tributes to Florida's faith in the garden club movement.

In addition to maintaining the facility and grounds the building up of a \$100,000 Endowment Fund, income from which will be used for Headquarters maintenance, continues and as of May 21, 1971 the amount in this fund had reached \$86,604.54 including stocks and bonds.

Wouldn't you, your club or circle like to assist with the upkeep of our prideful Headquarters Building and help push this \$100,000 Endowment Fund across the goal line during Mrs. Andrew A. Gurke's administration?

All gifts are Income Tax Exempt. Each is tangible evidence of interest in and concern for the federation and its headquarters while each donor receives the Federation's Certificate of Appreciation. Checks should be made payable to the FFGC Headquarters and

sent to: Mrs. Vernon L. Conner, Chairman, P.O. Box 183, Mount Dora, Fla. 32757.

Your name or that of a loved one will be engraved on a 3 x 11" bronze plate attached to the Guardians of Gardening wall underneath the inscription "To live in hearts we leave behind is not to die" in return for a \$1500 gift, or on a brass plate on the walnut Patron's Plaque in the foyer for \$500.

Guardians of Gardening and Patron's Plaque gifts, as well as those for the marble Benefactors Panel (\$1000) in the foyer, go directly into the Endowment Fund.

Other categories include a scroll bearing names of Landscape Design donors who give \$100 each, to be hung in the assembly room; the Gold Book in which, for \$50, unsung heroes who have worked for years with perhaps no thought of recognition might well be honored; the Silver Book in which, for \$25, the inscription of a club's name could well highlight its 25th anniversary.

Also the Grandparents Book, where a beloved grandchild's name may be placed for \$10; the In Memoriam Book where the memory of members, relatives and friends may be perpetuated for \$10, with an In Memoriam card being sent to the person designated by the donor; the Parade of Presidents Book in which, for \$10, clubs and circles may enter their president's name to show appreciation for leadership and service; the Landscaping and Gifts Book where contributors' names of gifts in any amount are recorded; and the Tenth Anniversary Book in which names of individuals, clubs or circles may appropriately be inscribed this year in return for \$10 gifts.

The purchase of benefit items from State Headquarters for resale helps not only with its upkeep but boosts the

club or circle treasury. Included are:

All purpose BONI-KLEEN cleaner—1 dozen bottles FOB Winter Park \$18.72, with each 32 oz. bottle retailing for \$2.08.

Bulletin board STYX—Box of 16 for \$2.86 (add 25 cents postage), each styx selling for 26¢.

FFGC Car Tags—Box of 25 FOB Winter Park \$19.50, with each tag retailing for \$1 plus tax.

Deluxe jeweled American Flag pins—\$2.08 each FOB Headquarters.

Floral Adhesive—Case of 36 cans FOB Winter Park \$40.04, with each 4 oz. can retailing for \$1.41.

STAR polishing wax and scratch remover—Case of 24 cans FOB Winter Park, \$24.96. Each 14 oz. can sells for \$1.30.

"Flowers of The South" napkins—Case of 48 packs \$16.50. Each pack (32 napkins) retails for 50 cents.

Notepaper with etchings of Headquarters—25 boxes FOB Winter Park \$19.50, with each box (15 folders and envelopes) selling for \$1.04.

SCHULTZ-INSTANT Plant Food—Case of 36 bottles FOB Winter Park \$16.75, with each bottle selling for .62.

Sterling, gold-filled and 10-K FFGC membership pins and charms also are available from Headquarters as are Benson's Old Home fruit cakes.

NEW HOPE

It will be fascinating to watch the project on the southern end of Amelia unfold where, for the first time, environmental planners have had the opportunity to attack a private project of this magnitude from the very beginning and see it through to the very end. This kind of opportunity for McHarg, together with the rare nature of the developer involved, may hopefully provide a turning point for the direction of Florida land development. As our book reviewer said back in November of McHarg, "By his own compassionate outlook he illustrates

the actual nature of man's dominion over the earth: not arrogant, self-centered and callous, but self-controlled, humble and aware." May this approach to the south end of Amelia prove to be catching around the state and nation.

(TFG commends the Amelia Island Company and Mr. Charles E. Fraser, for their concern of Florida's future.—Editor)

Where Shopping



is a Pleasure

"WONDERFUL CHRISTMAS GIFT"

"AND AWAY WE WENT" by Eleanor Winslow, \$4.95. Armchair tourists and avid travelers will love this chatty, amusing, factual book. It covers 23 years and most of the world. At book shops or publisher.

DORRANCE & COMPANY, 1809 CALLOWHILL STREET, PHILADELPHIA, PENNA. 19130.



BROMELIADS IN FLORIDA

JAMES E. SMITH

About a century ago people began to concern themselves with Bromeliads in Florida. They called them "Air-plants" and their concern was more commercial than horticultural.

These strange plants, common throughout the state, in one form or another, were migrants from the Western Hemisphere Tropics, yet they were hardly utilized as ornamentals.

Spanish Moss and Pineapples, however, became articles of commerce. The first was used by the Indians for bedding and shelter, later used by the European settlers for mattress stuffing and gun wadding, later yet as stuffing for auto upholstery, especially Model "T" Fords.

The value of moss ginned for this purpose reached six figures during the depression in the Ocala, Dunnellon area.

Pineapples comprised a major industry in the warmer areas until nematodes and labor costs finished them off. Now, except in a very minor way, these industries have disappeared.

In the meantime a handful of plant lovers toyed with imported Bromels. First, mainly with Billbergias. Later with improved water transport they brought in other genera and varieties.

In Europe these plants became very popular. In Florida and the United States in general the reverse occurred.

Yet enough fanciers persisted over the years to furnish the basis for the now rapidly growing interest in these plants.

People as a whole were repelled by spyness, weird colorations, short-lived flowering and by the fact that the center "cups" of many sorts held water in which mosquito larvae flourished.

Nurserymen in general propagated only the rapidly multiplying types such as Billbergias, whose inflorescences although colorful lasted only a few days.

Bromeliads were touted as the world's toughest plants, which they are not. This and other false claims soon disillusioned many would-be hobbyists. However, over the years some salient truths regarding Bromels began to appear. Species and even hybrids showed up with fantastically beautiful inflorescences that lasted for months. Some could be dried, to be used for interior art.

Overnight, after World War II, *Vriesias*—a soft-leaved, spineless genera, became popular for the brilliant scarlet "flaming swords" of many species.

Cryptanthus—star-shaped, variegated, flat terrestrials from Brazil, were found to make good ground cover. Furthermore, their colors changed with varying degrees of sun, so with each season they gave a different appearance to their location—something entirely new in Tropical Horticulture.

With modern air transport, more perishable genera and species were imported. Plants that actually had pretty true flowers, such as *Tillandsia cyanea*, began to be seen. Formerly only the

colorful inflorescences—branched, unbranched or pendulous, were cherished as most Bromel flowers are inconspicuous.

Miniature sorts such as *Tillandsia ionantha*, that turns red all over, became common in garden shops. Generally called "Blushing Brides," when fastened to trees they soon grew into large mats.

People learned that the large spiny Terrestrials made "bull-high and hog-tight" fences, as had the West Indians who used them to rat-proof their farm fields. These borders of *Bromelia pinquin* and *balansae* are proof against anything less than a bulldozer.

Then, starting in the 50's, Florida changed from an agricultural, acreage oriented state to the present industrial, "high-rise" condition we "enjoy" at present.

Our concepts of gardening changed along with everything else around us.

Large, spiny Bromels went out. Too dangerous. Many people moved to condominiums, where they found many of the choicer Bromeliads behaved badly—or not at all. Poor ventilation, windy locations ten stories up, etc., took their toll.

Worse, the water in the "cups" gave off rank odors. Bromeliad culture, barely started, suffered a severe setback.

Now a new generation of plantmen took over. They imported and cultivated miniature cupless varieties, mostly *Tillandsias*. Dry growing *Dyckias* and *Hechtias* came into the picture. Hybridizers strove to create vigorous, small, colorful dry-growing plants. Successful, in a few short years they have created hundreds of Bromels for all sorts of modern conditions except one—light.

Bromeliads are very sensitive to foot-candle power of light. High performance under the north side light of large buildings is lacking.

Each Bromeliad seems to have one degree of light under which it does best. Chameleon-like, they change

appearance drastically as they get further from their particular norm—generally for the worst.

Culturally, Bromels parallel orchids. Terrestrials grow in soil. Epyphytes, Xerophytes and Saprophytes grow as orchids, either mounted or potted; in any event, absolute drainage is a must.

Cryptanthus, *Neoregelias*, *Gravisiias* and other terrestrials can endure some wet soil, but not for long.

Plants with cups should have water in the cups at all times. Chemicals should not be used in these cups. Bromeliads are highly sensitive to chemicals, especially metallic compounds. Copper in any form is fatal and nothing copper or galvanized should ever come in contact with them.

A tiny pinch of tobacco or castor pumace in the cup will kill or prevent mosquito larvae.

A small piece of charcoal in the cup cuts down or prevents objectionable odors.

These plants are remarkably free of pests, diseases and fungi, except "Flyspeck" scale. This is very prevalent and may be cured or controlled by Malathion. However, this chemical frequently injures the plant worse than the scale. The best remedy is a little scraping with a table knife and a bath in non-detergent soap suds.

Little, if any, investigation has been done relative to the cold tolerance of these plants. As would be expected in a plant family so large and of such great a range, this would be a monumental job large enough to occupy scientists for years to come.

To the dedicated plant lover Bromeliads offer the challenge of the last great plant frontier on earth.

We in Florida of all places should accept this challenge.

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Districts

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The Marathon Garden Club completed the first phase of a five year beautification program earlier this year, by planting 50 Adonidia palms along the causeway entrance to Key Colony Beach.

The second phase will be a giant cleanup program along U.S. Highway I through Marathon. The club invited property owners, Scouts and Campfire Girls to participate.

The third phase will be completed in November and will provide "instant magic." Red hibiscus are being planted in large containers and will be sold to merchants.

The Marathon Garden Club members are "united" in beautifying their area and involving the citizenry.

On April 17, 1971, Tyndall Officers Wives Garden Club dedicated a Blue Star Memorial Marker on the Tyndall reservation. The following dignitaries were present—Mrs. Maurice S. Dillingham, President FFGC., Mrs. Glenn Porter, Director District II, Mrs. John D. Hill, President TOWGC and Mr. T. S. Spangenberg, Florida Department of Transportation.

The Miami Garden Club received the first place HANDS award for their project of landscaping The Miami City Day Nursery. This was the club's main project in 1970-71. The award was accepted by Mrs. Paul Ducanis, President of the club, which was presented by Mr. David Faulkner, Community Service Director, Sears, Roebuck and Company.



The Pompano Beach Garden Club is sponsoring two new projects: 1. Nature Appreciation Benefits—The Pompano Fashion Square is providing space for a continuing planting exhibit to acquaint the public of FFGC's Junior Nature Camp and give them an opportunity to contribute. The exhibit will be staged as a garden and plants will be properly labeled. 2. A "Little Less Litter" contest—The aim is to place litter barrels in every station in Broward County. The only requirements are that containers be labeled "LITTER" in large letters, colorful and in clear view for all customers. The club is offering awards for the "prettiest, most comical and/or original."

For additional information write: Pompano Beach Garden Center, 1209 E. Atlantic Blvd., Pompano Beach, Fla. 33060.

OUR NATIVE TREASURES NEED OUR PROTECTION

ALICE F. SMART, Leesburg

Have you ever stood waist deep in a field of *Gilia* (Standing Cypress) and thrilled to the beauty, the fragrance, and the buzzing bees? Or have you watched the roadsides and pasture areas to discover the first Paw Paws in bloom? (Not, as you think, a typographical error. Paw Paws, edible, are native, and the old long ago song says Poppa kissed Momma in the Paw Paw Patch!) Have you thrilled to the magnificent spectacle of the American Lotus in full bloom in some back-road waterway, to see first-hand where the lotus pods used in dried arrangements came from?

Well, I have—and I hope you have, too. There are many others who will never have the opportunity, for some of these are native plants of Florida that are becoming more extinct than we wish! It is true that the garden clubs have put some natives on the restricted list, but others should be added, for year after year the population growth causes more and more woodlands to be cleared away for homes, highways and supermarkets. Did you see the Blue and White Lupines in flower this spring? These prefer the sandy pine woodlands, and there are few left.

Here are some you will see this fall. Look for them, and consider transplanting some to your own garden and to parks where they may be preserved. Yes, there are folks who call them "weeds," but their beauty entitles them to live.

Liatris, or Shooting Star, has tall spikes of purple flowers like stars on each spike. The foliage is attractive, too.

Goldenrod, *Solidago*, blooms in highlands and lowlands, in many varieties—all lovely.

Orchids, the tall blue and white spiked varieties that bloom in profusion along 301 in North Florida along from Baldwin to the Georgia line.

The Flycatcher—a native orchid along the same roadway that eats insects.

Callicarpa, or Beauty Berry, with bright showy clusters of small purple berries at the leaf axils.

Swamp Maple, *Acer rubrum*, with bright leaves in November and December and bright red masts in the late winter and early spring.

Dogwood, *Cornus Florida*, with bright red berries and bright red leaves in the fall. In West Florida there is a native pink dogwood, and in Dade City area of Pasco County there is a strain that has very large white flowers.

Joe Peye Weed, *Eupatorium purpureum*, produces a flat head of flowers in rich purple.

Wild Chrysanthemums or Asters, with lovely orchid-blue flowers in gay abundance on semi-trailing plants in marshy areas.

Asclepias tuberosa, Butterfly Weed, with brilliant orange flowers that invite butterflies. It is the host plant for the Monarch Butterfly. *Asclepias incarnata*, with rose-purple flowers, is the swamp milkweed. *Eupatorium perfoliatum*, Boneset, produces small heads of white flowers in flat terminal clusters. There are many others—so look for them!

CONSERVATION



Beginning October 1, all agricultural and silvicultural (forestry) burning operations will require authorization from the Florida Division of Forestry.

CHARLES E. SALTER

Air pollution!

There should be no doubt in anyone's mind that it is one of the major problems facing our modern society. A major step in this direction is the establishment by the Florida Department of Pollution Control, of specific rules relating to open burning and frost protection fires.

Some of these rules went into effect July 1, 1971. Rules relating to agricultural and silvicultural (forestry) operations become effective October 1, 1971.

The Division of Forestry, Florida Department of Agriculture and Consumer Services, will be responsible for authorizing agricultural and silvicultural fires.

"Obtaining permission to burn will

not be a complicated procedure," said **John M. Bethea**, Director of the Division of Forestry office."

Bethea said that a representative of the Division of Forestry is located in every county.

"These regulations provide a positive response to the rising demand to reduce air pollution," said **Vincent D. Patton**, Director of the Florida Department of Pollution Control. "We feel that these regulations are fair, and will not unduly hamper the normal operations of a landowner."

The Division of Forestry Fire Control unit dispatcher, in most counties in Florida, normally will be the individual to contact. He will be required to keep a log for recording "permission to burn" requests.

The dispatcher will need to have the following information: 1) date you

plan to burn; 2) location; 3) landowner; 4) person responsible for the burning operation; 5) period to be covered by the burning operation; 6) purpose for burning; and 7) acreage involved.

How will the Division of Forestry determine when burning will not be permitted?

First and foremost, burning obviously cannot be permitted if it will pose . . . in any manner . . . a potential threat to human life. And, under adverse weather conditions, any burning operation planned near major roads and highways could present this threat.

For example, during the past year, some prescribed burning operations have covered nearby highways with smoke, causing numerous traffic accidents . . . and several fatalities.

Another notable illustration took place last spring, when several fires escaped control lines, got into muck pocket concentrations, and put dense smoke over Interstate Four near Lakeland during the early morning rush hour. The thick pall of smoke caused numerous accidents and forced the closure of Interstate Four to traffic.

The weather will be the controlling factor. A meteorologist, assigned by the U.S. Weather Service to provide continuing weather data for the Division of Forestry, will provide the guidelines.

These guidelines will be in the form of an "air stagnation index." This index is a scale rated from zero to fifteen. It will be used only to determine whether burning will be permitted at night. A high stagnation index would indicate that burning at night could create a pollution problem.

Air stagnation can occur when warm air overlays still, cold air, creating a condition known as an "atmospheric inversion." When it occurs, the cold air trapped by the layer of warm air above it holds the smoke down. This forces smoke, or other pollutants,

to spread outward, rather than rising as they normally would.

Atmospheric inversions readily produce the "smog" effect common to locations such as Los Angeles. Geographic conditions such as mountains nearby quite often can produce this atmospheric inversion.

Florida does not experience this type of weather condition as much as some parts of the country. But there is no denying that it does happen occasionally; and when it does occur, it creates a "pollution potential," and burning cannot be allowed.

A night when a cold front moves through an area would be considered an acceptable night for burning. For if the cold front has steady winds and good upper air currents, then the smoke will be properly diffused and dispersed in an effective manner.

The danger of forest wildfires is another major factor in allowing . . . or prohibiting . . . open burning operations. During periods of extreme drought, when fire danger is high, burning will not be allowed.

Permission to burn may be cancelled by the Division of Forestry . . . or the Department of Pollution Control . . . if a sudden change in the weather creates unfavorable burning conditions.

The Division of Forestry also must be notified and consulted before any land clearing burning operations, if they are located in rural or wooded areas.

"Within the framework of the regulations of the Department of Pollution Control, we will do our best," said Division of Forestry Director John M. Bethea. "And our best means to respond to the needs of the public in a quick and efficient manner. It also means responding to the need for more emphasis upon improving the quality of our environment."

A complete copy of these regulations may be obtained by writing to the Florida Department of Pollution Control, Tallahassee. Information re-

garding agricultural and forestry burning may be obtained by contacting any Division of Forestry offices.

Senator Henry Jackson and Florida Senator Lawton Chiles have sponsored the bill to purchase a portion of the Big Cypress to protect the source of water for the lower West Coast and of one third the necessary water for the Everglades National Park. Senator Jackson has promised to hold hearings on the bill. **Rep. James Haley** is quoted as having said that he thought that Secretary of the Interior Morton is leaning toward outright purchase, but Haley is waiting for Morton to make a statement until he can make up his own mind. Dante Fascell and Paul Rogers are also waiting to hear what the Secretary thinks. Governor Askew has written Secretary Morton urging him to come out for purchase. With all this hesitation, letters from Floridians should be able to help these politicians to make up their minds. **THE EVERGLADES REPORTER SEPTEMBER 1971.**

The Reynolds Metals Company, operates 10 permanent can reclamation centers in metropolitan New York City and northern New Jersey, Tampa, Jacksonville, Miami, Houston, Phoenix, Los Angeles and San Francisco. Mobile reclamation units also operate throughout the New York City area, Florida, east Texas and Louisiana, the Sacramento and San Joaquin Valley in central California and the Pacific Northwest. All of the plants are identified by large signs showing an outdoor scene and the words "Keep America Beautiful."

The company accepts all forms of clean household aluminum scrap from the public but all-aluminum cans make up the bulk of the material brought to the centers.

The public, both individuals and organizations, is paid at the rate of 10 cents a pound or \$200 per ton for household aluminum scrap brought to one of the more than 500 reclamation

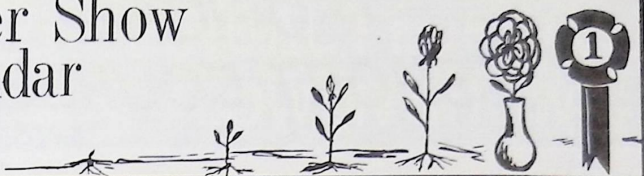
centers, satellite collection centers, Reynolds Aluminum can plants and new mobile reclamation units. The more than 10 million pounds redeemed represents over \$1,000,000 paid to the public. (September 14, 16, 1971 Releases)

Ecology Action of Florida, Inc., P.O. Box 101, Biscayne Annex, Miami, Florida 33152, phone 232-0869, has set up a local re-cycling center to collect old newspapers, glass and aluminum. They sell it to companies which make something useful of it. They could sell more waste paper if people would use more re-cycled paper, as the U.S. Government is doing. They sell re-cycled letter size paper, biodegradable soap, unfiltered honey, will clean up yards, move trash and waste and give free advice. They keep an answering service on ecological questions. **Mr. L. Guthrie**, the demon ecologist of Eastern Air Lines, says "There is no such thing as pollution. It is only unused waste. We must learn to use it; it will save millions."

"All is not lost—yet" writes Dave Fleming in the Okeechobee News. "True, Lake Okeechobee is gasping for some old-fashioned water in place of the nutrient-filled, chemical charged stuff it has been getting. And the arrow-straight "Kissimee Ditch" won't correct that. But at least we've started back with the proposed restoration of Kissimee marshlands."

CAROL BURNETTE made the following statement at the close of her program on September 15, 1971. "We must all fight pollution... God is not dead, He's just having trouble breathing."

Flower Show Calendar



MRS. GLENN PORTER

1906 DeWitt St., Panama City 32401

1971

December 6—Christmas Flower Show, Venice Area Garden Club.

December 11-12—Homes for the Holiday, Holiday House Tour, Pioneer Garden Club, Ocala.

1972

January 22, 23—Camellia Flower Show, Agricultural Center, Pioneer Garden Club, Ocala.

February 19, 20—Love Is... A G, Glenn F. Bates Garden Center, Birch State Park, Fort Lauderdale

Garden Club.

February 25, 26—Reign of the Flowers, Pompano Fashion Square, Pompano Beach Garden Club.

February 26, 27—This Land is My Land, Gulf Beach Garden Center, Gulf Beach Garden Club.

February 26, 27—Naples Garden Club, Wellington Hall Interiors, Gulf Shore Square.

March 3, 4, 5—Key West Art and Flowers, Key West Garden Club.

March 6, 7—Flower Flair International, Belleview Biltmore Hotel, Belleair, Clearwater, Fla.

March 18, 19—Up And Away, Municipal Auditorium, Sarasota Garden Club.

March 24, 25, 26—Color at the Races, Metropolitan Miami Flower Show, Tropical Park Race Track, Miami.

March 25—House Beautiful, Placement Show. Home of Mr. & Mrs. R. E. Bateman, Hillsboro Beach, Pompano. Seagrape Garden Club.




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TROPICAL SHORT COURSE

"Grow Green — Keep Florida Clean"

The dates for TSC are January 25, 26, 1972.

Would you believe? Colleges are having difficulty finding space to accommodate courses such as the Tropical Short Course. As the Florida Gardener goes to press, we are still looking!!

We have an interesting program planned. Horticulture will stress the need for greenery in our ecology for improvement in the quality of our environment.

The afternoon session will feature Mrs. Rodney B. Radford, now of Delray Beach. She came to Florida three years ago from Alexandria, Virginia where she had been giving workshops, demonstrations and teaching classes in the Metropolitan areas of Virginia, Maryland and Washington, D.C., for the past 10 years. She is an accredited Flower Show judge, has a teaching certificate from the Sogetsu School of Japanese Flower Arranging and has studied at the Ichio School. Her subject will be "Line and Color in Florida Arrangements using Florida Materials."

Be sure you see the brochure which by this time your District Director should have, or write your Tropical Short Course Chairman for details. Mrs. Edward Jordan, 11515 S. W. 97th Avenue, Miami, Fla. 33156.

Curved Pussy Willow; Heliconia Stalks; Bird of Paradise; Philodendrum Leaf.



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WINN DIXIE

FOOD STORES

THE SMART PLACE TO GO . . .
FOR GOOD THINGS TO EAT !



14TH ANNUAL FLORIDA STATE FLOWER SHOW

“BOLDLY WE SEARCH”

Garden Center

Jacksonville, Florida

presented by

THE FLORIDA FEDERATION OF GARDEN CLUBS, INC.

and

THE GARDEN CLUB OF JACKSONVILLE

Member of National Council of State Garden Clubs, Inc.

March 10 - 3-7 P.M. / March 11 - 10-6 P.M.

March 12 - 12-6 P.M.

General Chairman

Mrs. D. O. Foshee, Sr.

9744 Scott Mill Road

Jacksonville, Florida 32217

Phone: 904/733-2900

Co-ordinator

Mrs. C. W. Parmalee

7041 Salamanca Avenue

Jacksonville 32217

Phone: 904/737-2938

Consultant

Mrs. J. Lynwood Price

3835 Ponce de Leon Avenue

Jacksonville 32217

Phone: 904/733-1327

Treasurer

Miss Vesta Sanders

1264 Eutaw Place

Jacksonville 32207

Phone: 904/398-1073

Schedule Chairman—Div. I

Mrs. A. W. Simpson

1552 May Street

Jacksonville 32204

Phone: 904/355-6960

Schedule Chairman—Div. II

Mrs. Joseph W. Blake

1296 Avondale Avenue

Jacksonville 32205

Phone: 904/388-1394

Staging Co-ordinator

Mrs. Hugh J. Grainger, Jr.

7004 Andalusia Avenue

Jacksonville 32217

Phone: 904/733-0290

“BOLDLY WE SEARCH”

“Since the creation of man he has sought to go where his eyes could not see—to do the impossible—to challenge the unknown. The sea for the new and the urge to dare are ever present in the hearts of mankind.”

“Ask and you shall receive;

Search and you shall find;

Knock and it shall be opened unto you.”

Matthew: 7-7

GENERAL RULES

1. In every respect this show shall meet all requirements for a Standard Show, as set by National Council of State Garden Clubs, Inc.
2. Competition in Div. I—Horticulture—is open to all amateur gardeners.
3. Competition in Div. II—Artistic—is open only to amateur designers who are members of the Florida Federation of Garden Clubs, Inc., men's garden clubs or plant societies.
4. Native plants on the Florida conservation list may be used in all divisions provided such plants are labeled with botanical and common names (when they exist) and have been grown by the exhibitor or otherwise legally obtained.
5. Exhibitors are requested to read the rules of the schedule carefully. All exhibits **MUST BE PASSED** by Classification Committees before being placed; these committees may disqualify entries not conforming to the schedule or entries of inferior quality.
6. The National Council Standard Awards System of Judging shall be used. Judges' decisions are final.
7. Judging will be March 10 from 12:30 to 2:30 P.M. during which time no persons other than Show Chairman and Vice-Chairman, Judges' Chairmen, Judges, Clerks, and the Official Photographer will be allowed on the floors. The Chairmen of Schedule Classification, Awards and Trophies will remain near if needed.
8. Exhibits must be placed and all exhibitors out of the show buildings by 11 A.M., March 10, 1972.
9. Exhibits may not be removed before 6 P.M., March 12, and must be removed by 12 Noon, March 13.
10. All properties must be marked with the exhibitor's name. The Florida Federation of Garden Clubs, Inc. and the Garden Club of Jacksonville do not assume liability for damage or loss of personal property or personal injury.
11. Pages will be available for assistance during time of acceptance of entries.

RULES FOR DIVISION II—ARTISTIC

This schedule is written as an interpretive show, with artistic classes pertaining to the State of Florida. The rules are most important. Please read them carefully. All facts given are to inform, inspire and guide one in presenting **BOLD** ideas. They are not intended to inhibit any exhibitor's creative talents. It is our wish that this show will be a pleasurable and learning experience.

1. Registration will be in advance with the Section Consultant by February 29, 1972. After this date, the Entry Chairman, Mrs. Edward Booth, 4070 Barcelona Ave., Jacksonville 32207, Phone 904/398-5823 may be contacted. Cards confirming registration will be sent and should be brought with exhibits and checked at entry table at Patio Entrance of The Garden Club of Jacksonville.
2. Exhibits may be placed from 6-8 P.M. **ONLY** March 9 and from 8-11 A.M. on March 10.
3. Classification Committee members will be stationed at each Section. Finished exhibit **MUST** be checked and colored card submitted to Classification Committee member before exhibitor leaves area.
4. Exhibits must be the work of one exhibitor, but may be placed, with exhibitor's permission, by another person. If unable to exhibit on date of

- show, exhibitor **MUST** provide a substitute.
5. Exhibitor **MUST** keep exhibit fresh or allow the Show Committee to do so.
 6. Materials used must be listed on an unlined 3" x 5" white card. Botanical, as well as common names, requested.
 7. Notes of explanation on one unlined 3" x 5" white card permitted in all classes.
 8. No artificial flowers or foliage may be used.
 9. **BASES** may be used, but **ACCESSORIES** may be used **ONLY** where rules permit. **BACKGROUNDS** (furnished by exhibitor) may be used in all classes staged in niches (Classes in Sections C, E, F and H).
 10. Only fresh plant material shall be used in classes eligible for **TRICOLOR**.
 11. Only naturally dried and/or cured, or dried tinted plant material may be used in classes eligible for the **AWARD OF DISTINCTION**.
 12. To be eligible for the **CREATIVITY AWARD** the exhibit must include some plant material, fresh and/or dried. Accessories may be used.
 13. Material used may be designer's choice in classes eligible for **The NATURE, ART and INDUSTRY AWARD**—contrived, man-made or discarded forms may be used but some plant material, either fresh **OR** dried must be included. No artificial flowers or foliage allowed.
 14. In **CORSAGE SECTION** no feathers or artificial leaves of any kind may be used. No tinting or glitter allowed on fresh flowers. Ribbon, net and accessories permitted in all classes.

ARTISTIC DIVISION AWARDS

1. The National Council Standard System of Awards shall be used: one **BLUE**, one **RED**, one **YELLOW**, one **WHITE** ribbon as merited may be awarded in a class.
2. A Sweepstakes Award (green and white) will be given to the member winning the most blue ribbons. In the event of a tie, the reds and yellows may be counted.
3. Two **TRICOLORS** (blue, red, yellow) may be awarded: one from Classes 1, 7 and 8 and one from Classes 13, 17 and 25. Award shall be given to a blue ribbon design of all fresh cut plant material scoring 95 or more. Distinction is a quality to be judged with four entries in each class to place award.
4. Two **AWARDS OF DISTINCTION** (brown) may be given: one from Classes 3, 9 and 14 and one from Classes 15, 18 and 23. Award shall go to a blue ribbon design consisting of all naturally dried, treated or dried tinted material scoring 95 or more. Distinction is a quality to be judged with four entries in each class to place award.
5. Two **CREATIVITY AWARDS** (purple) may be given: one in Classes 2, 16 and 24 and one in Section D (Classes 10, 11 and 12.) Materials must include some plant material, fresh and/or dried (Accessories permitted). Award shall go to a blue ribbon design scoring 95 or more; Personal Expression and Artistic Distinction is a quality to be judged with four entries in each class to place award.
6. One **NATURE, ART and INDUSTRY AWARD** (Metal with red, green, purple) may be given in Section B (Classes 4, 5 and 6). Materials used may be the designer's choice, contrived, man-made or discarded forms or a combination of these, but plant material, either fresh or dried must be included. No artificial flowers or foliage may be used. Award shall go to a blue ribbon design scoring 95 or more. Emotional Communication must be a quality to be judged with four entries in each class to place award.

7. A Local Award shall be given in Section G for a Small Design scoring 95 or more, with four entries in each class to place award.
8. A Local Award may be given in Section I for a Corsage scoring 95 or more with four entries in each class to place award.
9. An AWARD OF APPRECIATION (Orchid Rosette) will be given to Invitational Designs (not judged).
10. A SPECIAL AWARD (Pink) may be given to any outstanding exhibit that has not been judged.
11. All Artistic judges will vote for TRICOLOR AWARDS, AWARDS OF DISTINCTION, CREATIVITY AWARDS and NATURE, ART and INDUSTRY AWARD, according to provided ballot. The combined panels of judges in the Small Design and Corsage Sections will select the best exhibit for the Local Awards in these Sections.

"BOLDLY WE SEARCH"

SECTION A.

ACCOLADE TO JACKSONVILLE'S SESQUICENTENNIAL

A City's historical fabric is woven from a multitude of threads. A strategic location at the confluence of water, rail and air transportation attracts industry. It is the sturdiness, industry, ingenuity and dynamic spirit of its people that builds a city of beauty, culture and enterprise.

Class 1. "COWFORD"

4 entries

Its founders envisioned possibilities for its future, for it had a mild climate and an abundance of water, which gave rise to a new Community of Cowford.

wonderful news from Gro-Tone Super Plant Food

**new!
PELLETIZED**

Gro-Tone Pelletized Weed & Feed combines a premium quality, long-lasting plant food containing organics, chelated iron and vital elements with an amazing weed killer for St. Augustine, Zoysia and Centipede lawns.



Florida's most famous premium formula now fortified with Organics, Chelated Iron and Vital Elements!

**new!
PELLETIZED**



Gro-Tone Pelletized Lightweight Lawn Special has the famous, proven, premium Gro-Tone formula in concentrated easy-to-use form. Only 25 pounds covers up to 5,000 sq. ft. Contains organics, chelated iron and vital elements.



Use these other Gro-Tone® "Prescription Foods" Camellia-Azalea Gardenia Special, Rose Special, Citrus Special, Palm & Ixora Special... And these... Gro-Tone Soluble, Bed Mix, Floraganic®, BLOOMaster®. • TM

all have Special Formulas for Florida soil / QUALITY BY WILSON & TOOMER

A design of all fresh plant material comparable to that found in the area 150 years ago (may use flowers, foliage, fruit and/or vegetables). To be exhibited on a pedestal 40" high and 14" x 14".

Eligible for TRICOLOR

Class 2. "CITY MAKERS"

4 entries

Physical change is necessary in a progressive city. The old must give way to the new! "New Downtown Re-Development"—a new image emerges.

An Assemblage including some plant material (Handbook page 104 - type 3) to be staged on a 40" high pedestal 14" x 14"

Eligible for CREATIVITY AWARD

Class 3. "PORTALS OF PROGRESS"

4 entries

Environmental advances come with progress, advances in higher education, better hospitals, finer arts and opportunities present themselves in all areas of the bold new image. A design using naturally dried and/or cured plant material or dried tinted, or a combination of these—to be staged on a 40" high pedestal 14" x 14".

Eligible for AWARD OF DISTINCTION:

Consultant: Mrs. Herman Hafele, 4245 San Jose Blvd., Jacksonville 32211, Phone: 904/396-7992

SECTION B.

SEARCH FOR A LEADER—Government

This search never ends. There is always a need for leaders with courage, vision, knowledge, strength and a fearless character who will guide and protect this 27th State.

new, fine-quality Hughes Blu-Green Plant Foods now available in southeast Florida

Hughes **BLU-GREEN PELLETS** are a quality formula of primary and secondary foods, fortified with Chelated Iron and Vital Elements. Clean, long lasting Here's the easiest way to have a beautiful, healthy lawn and flowers, trees, shrubs and vegetables, too!



Hughes **BLU-GREEN Pelletized Weed & Feed** contains a complete, quality plant food with Organics, Chelated Iron and Vital Elements, plus control of most weed pests in St. Augustine Zoysia and Centipede lawns.



Hughes **BLU-GREEN Pelletized Lightweight Lawn Special** is a premium plant food containing Organics, Chelated Iron and Vital Elements in a concentrated lightweight form for easier handling. Just 25-pounds covers up to 5,000 sq. ft.

Take advantage of these other fine Hughes Plant Foods **BLU-GREEN Bloom Special**, **BLU-GREEN Fruit Tree Special**, **BLU-GREEN -Palm Special**, **BLU GREEN Rose Special**, **Blu-Organic**, **FVH Gardenia Special**.

all have special formulas for Southeast Florida soil, by the makers of Gro-tone Super Plant Food.

Class 4. "PILOT FOR THE SHIP O' STATE"—Governor 4 entries

We do dedicate this class to "His Honor" the Governor, to those who have served and those who will serve in the future.

A design expressing authority and dignity. To be staged on a pedestal 16" x 16" and 30" high. Eligible for NATURE, ART and INDUSTRY AWARD.

Class 5. "HOME TOWN"—Mayor 4 entries

Honors to the Mayor, the office is fast giving precedent to the Mayor-Commissioner or to the Board of Commissioners. The custodian of the Government and the "watchdog" of its economy.

A design depicting a service in the line of duty on a day in the office of "His Honor"—staged on a pedestal 16" x 16" and 24" high. Eligible for NATURE, ART and INDUSTRY AWARD.

Class 6. "PROTECTOR OF LAW AND ORDER"—Sheriff 4 entries

Praise goes to the Sheriff, the protector of all, old and young, great or small, of our homes and treasures. He cares for all.

A design expressing strength and courage. To be staged on a pedestal 16" x 16" and 18" high. Eligible for NATURE, ART and INDUSTRY AWARD.

Consultant: Mrs. Grady Holbert, 378 Plaza, Atlantic Beach 32233, Phone: 904/249-5341.

SECTION C.

A PEEP INTO THE PAST—Heritage

Europeans, probably Spaniards, sighted Florida for the first time. A Spanish map known as the "Alberto Cantino Map of 1502" shows a peninsula believed to be Florida. In 1511 Peter Martyr described a land near the Bahamas with water of eternal youth.

Class 7. "THE FEAST OF THE FLOWERS" 4 entries

Juan Ponce de Leon landed north of St. Augustine between April 2 and 8, 1513. He named the territory "Pascua Florida" because it was discovered in the time of the "Feast of the Flowers."

A design using all fresh plant material, staged in neutral color slantside niche 30" high x 24" wide by 17" deep. Eligible for TRICOLOR.

Class 8. "IN THE CRADLE OF OUR HERITAGE" 4 entries

Pensacola—Don Triston de Luna organized an expedition to Christianize Florida. He established a colony on the shores of Pensacola Bay in 1559. The settlement was abandoned two years later after a storm wrecked his fleet. A design of all fresh plant material, staged in neutral color niche (slantside) 30" high x 24" wide x 17" deep.

Eligible for TRICOLOR

Class 9. "MARCH FROM TAMPA TO ANHAQUEA (Tampa to Tallahassee) 4 entries

Hernando DeSoto landed in Tampa in 1539 and began a march with the Spanish and the Indians to Anhaquea (Tallahassee), spent the winter, after which he traveled on north to the headwaters of the Savannah River and then westward.

Two separate designs, compatible in overall effect, but one to represent each city. All naturally dried and/or cured or tint dried plant material to be staged in neutral color slantside niche 30" high x 24"

wide by 17" deep.

Eligible for AWARD OF DISTINCTION

Consultant: Mrs. John Howarth, 1253 Westlawn Dr., Jacksonville 32211, Phone: 904-725-3847

SECTION D.

INTREPID INTERLUDE—Industry

The bustling, booming, better-than-ever Florida is a thriving example of progressive awareness. A surge of economic industry is upon us and we are seeking directional guides.

Class 10. "FOR LAND'S SAKE"—Agriculture 4 entries

The search is on for new crops with better quality and more abundance!

A mobile—Designer's choice of material interpreting the challenge to find something new. May use fruits and/or vegetables but some fresh and/or dried plant material must be included.

Eligible for CREATIVITY AWARD.

Class 11. "CATCH ANYTHING?"—Fisheries 4 entries

Such delicacies are a challenge to the gourmet's taste, a delight to the collector and of special interest to those in search of new prosperity.

A Collage exactly 24" wide by 30" high on cardboard and equipped with a wire for hanging exactly 6" from top. Designer's choice of materials but some fresh and/or dried plant material must be included. Eligible for CREATIVITY AWARD.

Class 12. "WHAT'S NEW?"—Manufacturing 4 entries

Florida is rapidly taking its place among the states whose most important industry is manufacturing. The race is on to find new products and new processes.

A Collage exactly 24" wide by 30" high on cardboard and equipped with a wire for hanging exactly 6" from top of collage. Designer's choice of materials but some fresh and/or dried plant material must be included.

Eligible for CREATIVITY AWARD.

Consultant: Mrs. E. Warren James, 4972 Rochdale Rd., Jacksonville 32208, Phone: 904/768-1048

SECTION E.

RELIGIOUS REFLECTIONS

The State of Florida is steeped in religious tradition, a heritage in which churches have guided and inspired her people from its beginning. They offer inspiration, culture, security and protection.

Class 13. "SPIRITUAL REFORMATION"—Church 4 entries

The Church is a workshop for progressive workers.

A design using all fresh plant material to interpret the challenge before the church in a changing environment. Staged in neutral color slantside niche 30" high x 24" wide x 17" deep. Eligible for TRI-COLOR.

Class 14. "SEARCH FOR SECURITY"—Orphanages 4 entries

Unfortunate children are seeking everywhere for the love and

security of a home. These are supplied by church sponsored orphanages. A design, inspired by the thought of happy children in a secure home. All naturally dried and/or cured or dried tinted plant material. **Paint permitted.** To be staged in a slantside neutral color niche, 30" high by 24" wide x 17" deep.

Eligible for AWARD OF DISTINCTION.

Class 15. "GRATITUDE"—Benevolent Homes 4 entries

Reverence for life and peace within.

A design using all naturally dried and/or cured or dried tinted plant material, or a combination of these. To be staged in a neutral color niche (slantside) 30" high x 24" wide x 17" deep.

Eligible for AWARD OF DISTINCTION.

Consultant: Mrs. Edward Booth, 4070 Barcelona Ave., Jacksonville, 32207, Phone: 904/398-5823

SECTION F.

MASTERPIECES OF DISCOVERY

Beautiful gardens, magnificent libraries, vast collections in museums—they satisfy the demands for study by scholars and artists and inspire the curiosity of man.

Class 16. "TEMPLE OF THE MUSES"—Museums 4 entries

The abundance and high quality of art found in museums reflect the taste and culture of the people of the State.

A design interpreting a work of art, to be found in a museum (must exhibit picture no larger than 3" x 5" of work and give location).

Exhibited in a straight-side neutral color niche 40" high x 30" wide x 18" deep.

Eligible for CREATIVITY AWARD

Class 17. "A SYMPHONY IN GREEN"—Gardens 4 entries

Gardens on parade. God first planted a garden. It is the purest of human pleasure, the greatest refreshment to the spirit.

An interpretive design of all fresh plant material inspired by a visit in a garden. To be staged in a straight-side neutral color niche 40" high by 30" wide x 18" deep.

Eligible for TRICOLOR

Class 18. "HOME FOR HISTORY"—Libraries 4 entries

It is ever present; a consolidation of library and museum, providing quiet retreats for scholars. It is the future, a place where judgments of history will be made and lessons learned. A design of all dried and/or cured or dried tinted plant material or a combination of these, to be exhibited in a neutral color straight-side niche 40" high x 30" wide x 18" deep. Eligible for AWARD OF DISTINCTION.

Consultant: Mrs. James E. Shelley, 987 Townsend Blvd., Jacksonville 32211, Phone: 904/725-1022.

SECTION G.

SEARCH FOR A WINNER—Sports

Small arrangements—free standing—no background. Accessories and painting permitted in all classes.

Class 19. "LAST LAP"—Racing 4 entries

Choose your own things—Horse Racing, Dog Racing, Regatta, Auto, etc.

A free standing design measuring up to 5". Materials may be of designer's choice but some fresh plant material must be included.

Eligible for a LOCAL AWARD.

Class 20. "THIRD DOWN AND ONE TO GO"—Football 4 entries

A free standing design measuring up to 5". Designer's choice of materials but some plant material fresh and/or dried must be included.

Eligible for a LOCAL AWARD

Class 21. "A HOLE IN ONE"—Golf 4 entries

A free standing design measuring up to 8". Designers choice of material but some fresh plant material must be included.

Eligible for a LOCAL AWARD

Class 22. "OUT IN LEFT FIELD"—Baseball 4 entries

A free standing design measuring up to 8" of all naturally dried and/or cured plant material.

Eligible for a LOCAL AWARD

Consultant: Mrs. Jean Paul Jones, 7533 Hollyridge Rd., Jacksonville 32216, Phone: 904/724-7900.

SECTION H.

CAREFREE AND EASY LIVING

Man's heart searches for happiness for himself and his loved ones. Where will he find it?

Class 23. "ON THE GO"—Life in a mobile home 4 entries

It is never dull, ever searching, so easy to find a new sight, new interest, new excitement!

A design using only naturally dried and/or cured or dried tinted plant material to be staged in a niche 40" high x 30" wide x 18" deep (Neutral color with straight sides)

Eligible for AWARD OF DISTINCTION

Class 24. "SOPHISTICATION" 4 entries

Life in a Condominium, the epitome of today's living!

A design using some plant material, fresh and/or dried to be exhibited in a neutral color niche (straight sides) 40" high x 30" wide x 18" deep.

Eligible for CREATIVITY AWARD

Class 25. "RELAXING ON A LAKE" 4 entries

Doing your own thing while the rest of the world rushes by!

A design using only fresh plant material to portray a feeling of informality. Staged in a neutral color straight side niche 40" high x 30" wide x 18" deep.

Eligible for TRICOLOR

Consultant: Mrs. William R. Fitch, 1311 Campbell Ave., Jacksonville 32207, Phone: 904/724-7776.

SECTION I.

Corsages

FASHION'S CREATIVE CHALLENGE

One dares to be bold with today's fashions.

Class 26. "DAYTONA 500" 4 entries

A day at the races—of all dried and/or treated plant material to be staged on a light green burlap Tote Bag about 8" x 11" high (furnished by staging committee). Accessories permitted. Eligible for a LOCAL AWARD.

Class 27. "ON THE TOWN" 4 entries

A night out for the homemaker.

A corsage of all fresh plant material, suitable for wearing in the hair. To be staged on a wig form (furnished by staging committee). Accessories permitted. Eligible for a LOCAL AWARD.

Class 28. "CELEBRATION"—Victory Ball 4 entries

A formal corsage made of materials of designer's choice but some fresh plant material must be included. All materials should be appropriate to wear to a ball. Accessories permitted. To be staged on bodice form (furnished by staging committee) at the shoulder.

Eligible for a LOCAL AWARD.

Class 29. "PRESENTATION" 4 entries

Flowers arranged to carry, not to exceed 6" exclusive of ribbons. Materials may be of designer's choice but some fresh flowers must be included. Accessories permitted. To be staged on a glove (furnished by staging committee) Eligible for a LOCAL AWARD

Consultant: Mrs. Wm. V. Davidson, 5500 Milmar Cir., Jacksonville, 32207, Phone: 904/724-9147

CORSAGES
(Classes 26,27,28,29)

Design, including color	30
Distinction	10
Wearability	10
Schedule Interpretation	15
Technique	15
Suitable Combinations	15
Condition	5
TOTAL	100

NOTE:

When you register your entry with the consultant listed in the Section you will be sent a complete schedule. The Junior Gardener Schedule, the Intermediate Gardener Schedule and the High School Gardener Schedule and the complete Horticulture Schedule will be found in the January/February issue of your Florida Gardener.

SCALE OF POINTS—ARTISTIC CLASSES

TRICOLOR
(Classes 1,7,8,13,17,25)

Design	30
Color & Texture	30
Distinction or Marked Superiority	10
Choice of Materials	20
Condition	10
TOTAL	100

AWARD OF DISTINCTION
(Classes 3,9,14,15,18,23)

Design	35
Interpretation	20
Color	15
Creative Expression	10
Distinction or Marked Superiority	10
Condition	10
TOTAL	100

SMALL ARRANGEMENTS
(Classes 19,20,21,22)

Scale	40
Design	35
Originality	10
Distinction	10
Condition	5
TOTAL	100

CREATIVITY AWARD
(Classes 2, 16, 24)

Design	30
Interpretation	20
Personal Expression	20
Artistic Distinction	40
Color	10
TOTAL	100

MOBILE—CREATIVITY
Section D - Class 10

Design	40
Movement	30
Creativity	15
Distinction or Marked Superiority	15
TOTAL	100

COLLAGE—CREATIVITY
(Section D—Classes 11,12)

Design	40
Aesthetic Compatibility	20
Color	10
Distinction or Marked Superiority	15
Texture & Dimensional Quality	15
TOTAL	100

NATURE, ART and INDUSTRY
AWARD
(Section B—Classes 4,5,6)

Design	40
Effective Combination of Materials	30
Emotional Communication	15
Originality of Idea	15
TOTAL	100

Department of Interior

The newly-created Florida National Park Service Group, with headquarters at Tallahassee, will open in September, it was announced July 9, by David D. Thompson, Jr., director of the Service's Southeast Region.

Mr. Thompson also announced Mr. J. Brown, superintendent at Everglades National Park, will be the first director of the Florida Group. As the principal representative and spokesman for the NPS in Florida, Mr. Brown will advise State officials, environmental and conservation organizations of the plans, programs and objectives of the Service in Florida.

Mr. Thompson noted that, "Mr. Brown is well acquainted with Florida's natural resources. He has lived in Florida for many years, and his most recent experience as superintendent at Everglades National Park has involved him deeply in the environmental affairs of the State.

Mr. Brown is a graduate of the University of Georgia. He served in the Army Air Corps during World War II.

The new Florida NPS group will administer eight units: Biscayne National Monument, Castillo de San Marcos National Monument, DeSoto National Memorial, Everglades National Park, Fort Caroline National Memorial, Fort Matanzas National Monument, Gulf Islands National Seashore, and Fort Jefferson National Monument.

COMMON FALLACIES REGARDING AQUIFER WATER

Fallacy—The quality and quantity is uniform over large areas.

Fact—They both vary widely even in local areas.

Fallacy—Rain falling on any of the recharge areas replenishes the entire aquifer.

Fact—Recharge usually benefits localized areas. An example is Orange County which receives 90% of its water supply from rainfall within the county. Rain in coastal areas, such as Miami and Palm Beach flows into the sea and is not recharged.

Fallacy—All of the water stored in aquifers can be used.

Fact—Remember that Florida is like a sponge sitting in a pan of salt water and that sea water can flow inland as easily as fresh water can flow toward the ocean. The pressure exerted by aquifer water stored above sea level prevents salt water encroachment. If the demand exceeds the supply, aquifer levels drop below sea level and salt water moves inland.

Fallacy—All rain water penetrating the aquifer is stored indefinitely.

Fact—The water circulates through solution channels, "water-filled caves," to low areas where it flows to the surface in the form of springs. Most of Florida's streams and many of its lakes and rivers are spring-fed from the aquifer. Some fresh water springs appear beneath the sea in the Gulf of Mexico.

In summary, the supply of fresh water, which can be used each year, depends upon the amount of rain which recharges the aquifer or is stored in shallow lakes and swamps.

FLORIDA'S WATER RESOURCES

Florida's waters are its greatest asset and attraction. Along with subtropical temperatures, year around sunshine and warm ocean waters, the State can boast the longest seacoast of any state, an abundance of lakes and streams, some of the world's most famous swamps and marshes, the world's most productive underground water supply, and the world's most extensive network of free-flowing springs and spring-fed rivers. Even the greatest number of thunderstorms of any state can be claimed for Florida.

Yet, Florida, one of the few states abundantly supplied with water, incredibly is faced with the threat of water shortages.

C. S. Conover, et al., in the Florida Geologic Survey, Special Publication No. 3, 1965, "Water Mapping, Monitoring, and Research Program in Florida," states: "People and water go together. Where there are people there is a demand for water and water problems soon follow. Floods damage cities because they are built on flood plains. Water levels decline and salt water encroaches because man overdrains his land or overpumps his well fields. Man disturbs the soil by cultivating the land and increases sediment load in streams. His factories, homes and automobiles pour impurities into the air only to be washed to the ground and into the water supply. His wastes must be disposed of, too often by dumping them into streams. His desires to maintain a natural environment for fish and wildlife conflict with his needs for water to serve his modern

civilization. Simply using the water generally reduces the supply and almost always causes a deterioration of quality."

These activities, combined with Florida's unique environment, has made it possible for man to deplete even this state's abundant supply.

The Aquifers—Florida has no deep river canyons or lakes in which to store large quantities of fresh water, but it has one of the most productive underground supplies in the world. Contrary to popular opinion, the aquifer is not a giant underground lake or river extending from one end of the state to the other. Florida can be compared to a flat, "L" shaped sponge sitting in a pan of salt water. The sponge is not perfect. It contains irregularly shaped layers of different types of material, some of which are relatively impervious to water. Lakes and streams are found where the surface is covered with impermeable clay. In sand covered areas, or places where the sponge-like limestone is close to the surface, rain water penetrates into the ground as readily as a sieve and no surface waters appear. These are recharge areas through which underground supplies are replenished. The different surfaces can often be distinguished by the types of plants which predominate. Hardpan surfaces are naturally vegetated by pine flatwoods and cypress swamps. Recharge areas are typically marked by turkey oaks, scrub pine or citrus.

Rainfall penetrating underground seeks its own level, spreading vertically and horizontally independent of the direction of surface flow.

The aquifers are Florida's primary source of fresh water. The two major ones upon which most of the state depends are the Floridan and Biscayne Aquifers. Some small, shallow coastal aquifers are mostly of local importance.

The Floridan aquifer, which underlies the entire state, is the largest and most important. However, in South

Florida, it is very deep and the water is saline. Along much of the Atlantic and Gulf Coastal areas, its water is so highly mineralized that extensive treatment would be required to make it potable. The Floridan aquifer is replenished by rainfall in central and northern Florida, and to some extent in southern Alabama and Georgia. In some areas, the upward flow of water is restricted by overlying formations, and the aquifer is under artesian pressure. In Polk County wells the pressure lifts water 130 feet above sea level. In other areas, heavy use has lowered the aquifer below sea level.

The U.S. Geologic Survey states, "The Biscayne aquifer is South Florida's only source of fresh water. . . . It is derived chiefly from local rainfall and during dry periods from canals connected to the conservation areas. . . . The permeable limestone of the aquifer is shielded against the upward intrusion of saline water from the Florida aquifer by relatively impermeable beds of clay and marl. However, there is no shield against lateral encroachment of sea water, the major problem in the area.

Rain—The Source of Fresh Water

A common misconception is that Florida's underground water originates in the hills of North Georgia and beyond. Actually, with the exception of the extreme northern part of the state, all of Florida's surface and underground fresh water comes from rain that falls within our borders.

A single year's average rainfall, if retained, would cover the entire state with a lake four to five feet deep. But average rainfall figures are deceptive. Florida has floods one year and drought the next—typically, with rainy summers and dry winters. Also, one area within the state will flood while another a few miles away stays dry. Localized downpours which dump as much as ten inches in twenty-four hours are not uncommon.

The trouble with rain is that it

comes in bunches and we never know exactly when, where or how much. Trying to manage this water supply in Florida is a unique problem.

What Happens to Rain Water?

Evapotranspiration—Most rain water returns to the atmosphere by evapotranspiration (ET). The quantities are tremendous.

A typical example is Orange County which receives an average of 52 inches a year (the state's average).

Two-thirds of this, or 35 inches, is lost through ET. The ET loss continues throughout the year and during droughts, when water is scarce, is almost as great as during floods.

Surface Runoff and Storage—The balance of the rainfall either runs off through rivers and streams to the sea, is trapped in lakes and swamps, or percolates underground. Unlike mountainous states where surface runoff is stored in deep lakes and distributed by great rivers, in Florida's flat, limestone peninsula the storage of surface water

is extremely limited. The lakes are shallow, few are more than fifteen feet deep and many are less than five feet in depth. This limits their storage capacity and, under natural conditions, flood waters overflow lakes and riverbanks to spread over adjoining marshes and swamps. These provide additional storage capacity by draining slowly back into lakes and streams as flood waters recede.

It is well documented that Florida's swamps are also needed for birds, fish, animals, marine life, and people. They soften effects of flood and droughts, and even influence the weather, as well as mitigate pollution effects.

Artificial Manipulation

The drain, dig, fill and build attitude that dominated man's first approach to Florida's water problems continues today. The swamps and marshes are disappearing due to a massive network of small, medium and large drainage ditches and canals that blanket almost the entire state.

"The greatest crime committed in American cities may not be murder, rape or robbery, but rather the wholesale and constant exposure of children to noise, ugliness and garbage in the street, thereby conditioning them to accept public squalor as the normal state of affairs. . . ."

— RENE DUBOIS

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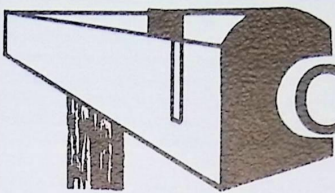
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CENTENNIAL ARBOR DAY—1972

Florida is promoting issuance of a commemorative stamp honoring Arbor Day's Centennial, as part of the special observances. **ALL** members are urged to endorse the commemorative stamp by writing—Mr. Wm. D. Dunlap, Chairman of the Citizens' Stamp Advisory Committee, Post Office Department, Washington, D.C. 20260.



circulation

TFG's circulation files are being constantly corrected, and *you* are still the "key" to prompt and accurate "up-dations." Why not make the circulation guidelines, published last issue, a part of your club book for periodic perusal?

Bouquets to those clubs and circles reporting with their annual membership lists and adhering to proposed form. To my chagrin, many did not; consequently, there are, no doubt, numerous garden club members not in our mailing files. To those, please respond immediately; it is "worth your while" to read the "FLORIDA GARDENER."

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