

FEBRUARY 1993

VOLUME 13 (1)

## President's Message:

At the beginning of this officer process, I thought that maybe I could and would make a big difference in our Chapter, especially by setting an example. This road was paved with good intentions. Somehow we got busy with research, the bureaucracy, reports and other time consuming subjects that seemed to change our goals for 1992. If you feel that you got the short end of the stick, well, perhaps Murphy can make up for the two of us.

To let you know that we weren't totally sitting on our thumbs, we did manage to get the Chapter involved in several worthwhile endeavors. First, we supported Dr. George Burgess to act as an independent, unbiased party to the hearing on net fishing in Florida's waters. He admonished both user groups to accept scientifically-derived fishery regulations and ban together to fight the real enemy -- habitat loss and degradation. The next issue to come before us was a discussion with the Secretary of DER, now the nation's Secretary of the EPA, Ms. Carol Browner. We had hoped to convince her of the need for historical ambient water quality standards for bodies of water. We somehow got bogged down. For the next chapter in the struggle, see Pat Fricano. Thirdly, and perhaps the most exciting and rewarding, is the part the Chapter will play in supporting the Snook Symposium 1993, to be held at Mote Marine Laboratory during 15-16 1993. The Chapter has agreed to partially fund this event and then to later help publish the findings as a Proceedings or perhaps a document similar to the volume on aquatic habitat and resources. You are all invited to attend and learn about one of Florida's Premiere Gamefish. And do you remember voting to support the 1995 National AFS Meeting? It's going to happen, so be prepared to give a hand when you are called upon.

This next year promises to be a doozy, what with budget cuts across the board, travel cut to the bone and who knows what else. But this I promise you... you will be in capable hands. Mike Murphy has proved himself over again and again. If I were on a vessel in stormy seas, and I will be with all of you through the next year, there is no one I would trust more with the wheel than I would Mike. So batten the hatches, keep your senses about you, and we'll ride this storm in good fashion.

Thanks for the opportunity to have served!

Ron Taylor

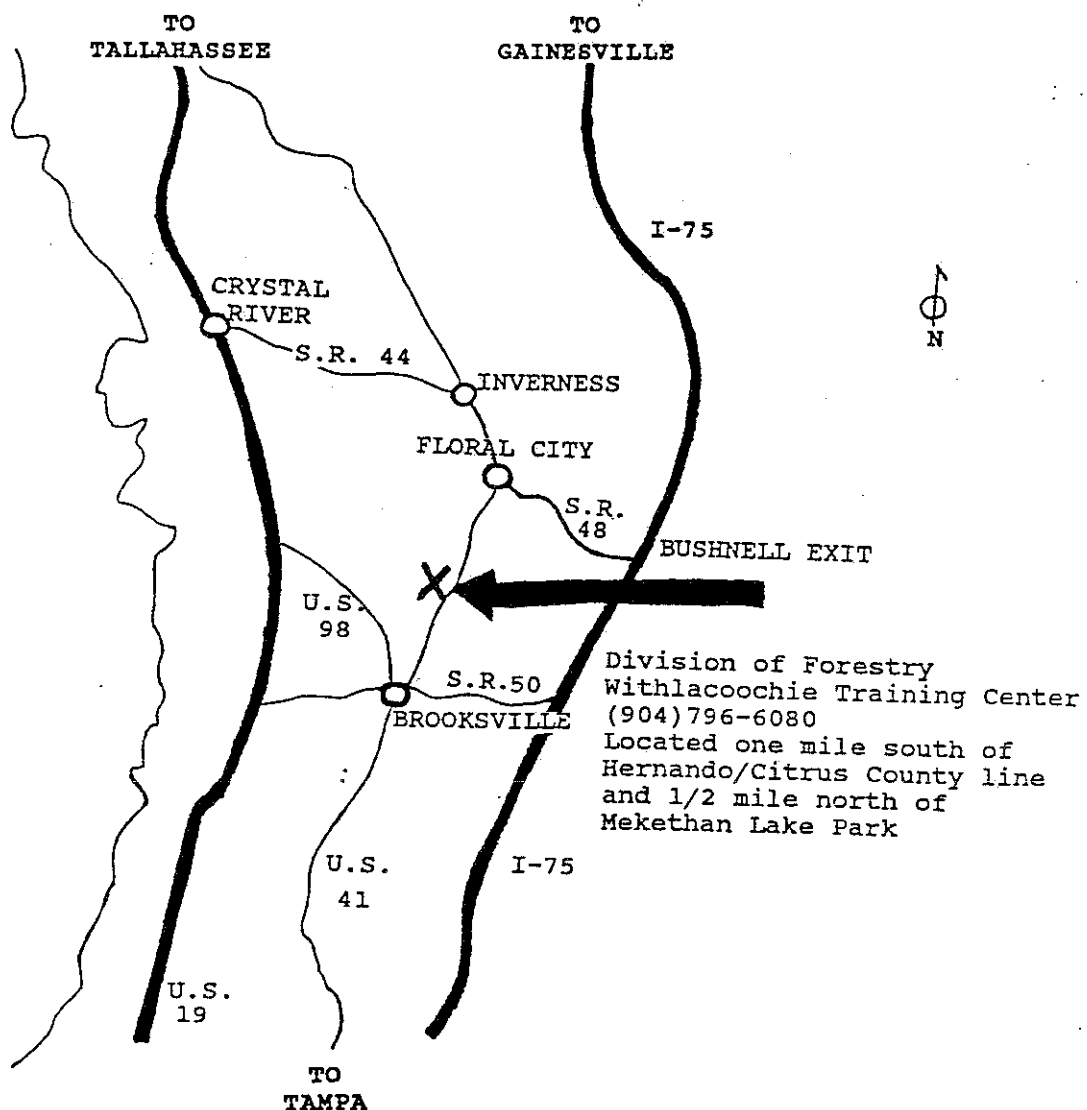
## Final Call For Papers:

At the time that this newsletter was going to press, there was **still room on the agenda** for this year's Florida Chapter AFS annual meeting. If you would like to give a presentation, poster, or host a short discussion session contact Mike Murphy **ASAP!**

Call or FAX abstracts to: Mike Murphy  
FMRI  
100 Eight Avenue SE  
St. Petersburg, FL 33701-5095

FAX: 813/823-0166

## Directions to the Florida Chapter, AFS 1993 Annual Meeting



## **Partial List of FAFS Annual Meeting Presentations:**

At the time that this newsletter was printed, the following titles had been submitted for presentation at the Annual Meeting of the Florida Chapter AFS:

**The effects of 2,4-D on largemouth bass feeding behavior.** Boyer, M., University of Florida, Department of Fisheries and Aquatic Sciences, Gainesville.

**Florida Bay: an ailing marine ecosystem.** Hunt, J.H., M. Butler and W. Herrnkind, Florida Marine Research Institute, Marathon.

**Occurrence and distribution of larval and postlarval common snook (Centropomus undecimalis) in the Tampa Bay and Naples areas.** Peters, K.M., R.W. Fenwick and S. Giordano, Florida Marine Research Institute, St. Pete.

**Mangrove vs seawall: a fish community comparison.** Leffler, D.L. and R.H. McMichael, Jr., Florida Marine Research Institute, Fort Walton.

**Seasonal abundance and distribution of the pigfish, Orthopristis chryoptera, in Charlotte Harbor, Florida.** Mitchell, M. and D. Adams, Florida Marine Research Institute, Punta Gorda.

**Retention and related mortality for three types of external tags for juvenile red drum, Sciaenops ocellatus.** Winner, B.M., M. Ross, T. MacDonald and J. Guenther, Florida Marine Research Institute, St. Pete.

**Aspects of the life history of the yellowmouth grouper, Mycteroperca interstitialis, in the eastern Gulf of Mexico** Bullock, L. and M. Murphy, Florida Marine Research Institute, St. Pete.

**Estimates of population abundance of common snook, Centropomus undecimalis, from the east and west coasts of Florida.** Taylor, R.G., J.A. Whittington and D.E. Haymans, Florida Marine Research Institute, St. Pete.

**Trawl catch composition in the Northern Indian River Lagoon: influence of algal and sponge bycatch.** Paperno, R., Florida Marine Research Institute, Melbourne.

**Population structure of gag (Mycteroperca microlepis): consequences of spawning aggregation fishing?** C.C. Koenig, Department of Biological Sciences, Florida State University, Tallahassee.

**Early life history studies of three Sciaenid species in the Indian River Lagoon, east Florida.** Alshuth, S. and R.G. Gilmore, Harbor Branch Oceanographic Institution, Fort Pierce.

**Mercury research in Florida.** Lange, T. and H. Royals, Florida Game and Fresh Water Fish Commission, Eustis.

**Estimates of trophy bass ( $\geq 8$  pounds) harvest on Lake Jackson using photographic diaries.** Cailteux, R., J. Nordhaus and D. Dobbins, Florida Game and Fresh Water Fish Commission, Quincy.

**Black bass management by regulation in Florida.** W. Porak, Florida Game and Fresh Water Fish Commission, Eustis.

**Gulf sturgeon research and restoration efforts of the U.S. Fish and Wildlife Service, Panama City Field Office.** C. Reynolds, U.S. Fish and Wildlife Service, Panama City.

**Fecundity in the gag, Mycteroperca microlepis.** Collins, L.A., A.G. Johnson and C.P. Keim, National Marine Fisheries Service, Panama City. (Poster)

## **Urban Fishing Committee:**

A short presentation and discussion of urban fishing will be included on the agenda at this year's Florida Chapter annual meeting/conference (22-24 February). Committee members and others interested in urban fishing should plan to attend. The agenda tentatively includes current research, update of Florida urban fishing programs, water quality as a consideration, and education programs. For more information or to suggest items to be included, contact Dylan Jones, Florida Game and Fresh Water Fish Commission, Jacksonville Urban Pond Program, Phone: 1 (800) 342-8105 or (904) 768-9924.

## **Upcoming Meetings:**

Florida Aquaculture Conference, 23 February 1993, Reitz Union, University of Florida, Gainesville, Florida. Topics include: production systems; catfish, crawfish, striped bass, baitfish, bream, oysters, clams, and marine finfish culture; aquaculture and the environment; water quality; fish health; economics; marketing; and fee fishing. Registration fee \$30, registered students \$15. For more information call IFAS Office of Conferences at (904) 392-5930.

Florida Lake Management Society, 13-15 April 1993, Deland, Florida. Registration fee \$65 if payment received by 15 March, \$75 afterwards. For more information contact Marty Armstrong, Armstrong Environmental Services, 2907 SR 590, Suite 14-C, Clearwater, Florida 34619. Phone (813) 726-8896. Exhibitor space is still available.

## **In Print:**

Investigation and Valuation of Fish Kills, 1992. American Fisheries Society, 5410 Grosvenor Lane, Suite 110, Bethesda, Maryland 20814-2199. Paperback, 96pp. \$28.00 (\$22.00 for AFS members). Prices include postage and handling inside the U.S. Phone: (301) 897-8616.

Fisheries Management and Watershed Development, 1992. This book explores the effects of watershed development on freshwater, estuarine, and nearshore fishery resources. American Fisheries Society, 5410 Grosvenor Lane, Suite 110, Bethesda, Maryland 20814-2199. 282pp. \$50.00 (\$40.00 for AFS members). Prices include postage and handling inside the U.S. Phone: (301) 897-8616.

## 1993 Raffle Bigger Than Ever!!!

More than \$6,800 worth of prizes were given to the Florida Chapter AFS for our 1992 annual raffle. Included were \$2,400 in trips (one trip is for 3 days in the Tortugas on the Winner Fishing Fleet out of Marathon, Florida), \$462 in rods and reels, \$995 in tackle, \$745 in artwork (including work by Diane, Peebles, Guy and Harvey), \$385 in T-shirts and hats, and \$1,835 of miscellaneous merchandise (books, coolers, tents, sleeping bags, eye glasses).

This year's raffle may be even bigger and better! Prizes collected so far include several trips (snapper trips on the Winner Party Boat Fleet, 3-day trip to the Tortugas on the Winner Fleet, canoe trip with lodging); a palmetto hammock; artwork, including Peebles; tackle; rods and reels; cast net; T-shirts and hats. If you can't come to the meeting, send your money with someone who's going! Someone who's lucky!

### FASF Raffle:

January 27, 1993

Fellow Members,

I would like to thank all of you for your enthusiastic support that made last years raffle a big success. A record amount of funds was raised and many members went home with some rather nice parting gifts. Special thanks to **Doug Haymans, Dennis Renfro, and Doug Adams** for their time and effort. It was a raffle to end all raffles!

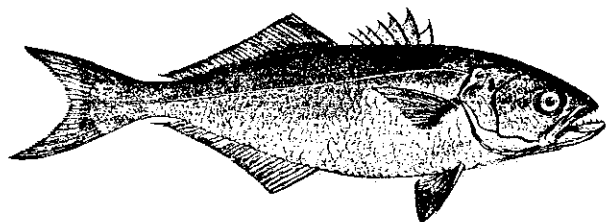
As many of you might already know, Doug is heading up the effort this year. He has drafted a fair number of select members from all over the state whom I am sure will be gathering raffle items night and day until we all meet in Brooksville. **If you haven't been drafted and want to make a contribution please call Doug or me at (813) 896-8626.**

In closing, **I would like to thank all of last years raffle contributors.** Their support and generosity is deeply appreciated by the Society and crucial to the continued function of our Chapter. **If you are a patron to any of the contributors listed in the following pages, please extend your personal thanks to them for the rest of the membership.**

Thanks again for your support and I'll see you in Brooksville!

Sincerely,

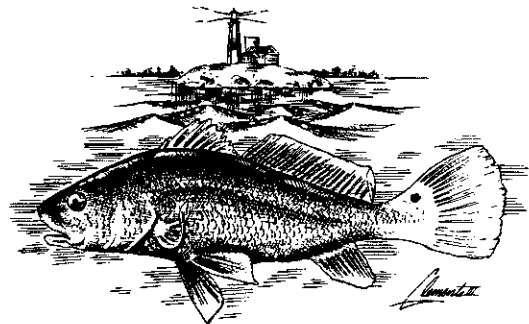
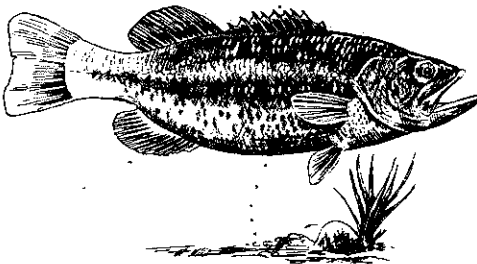
Brent L. Winner  
Florida Marine Research Institute



## SPECIAL THANKS FROM THE FL CHAPTER OF THE AFS TO:

Scuba Services St. Petersburg, FL  
 Memphis Net and Twine Memphis, TN  
 Winner Party Boat Fleet Marathon, FL  
 Soliton Charters Miami, FL  
 Loves Lures St. Petersburg, FL  
 Jone's Tackle Co. St. Petersburg  
 The Pier Aquarium St. Petersburg, FL  
 Country Pet Supply Tampa, FL  
 Sports Authority Clearwater, FL  
 The Florida Fisherman Madeira Beach, FL  
 Miss Milwaukee Tarpon Springs, FL  
 12 Fathom Jigs Indian Rocks Beach, FL  
 Gulf Coast Graphics St. Petersburg, FL  
 FL Brine Shrimp Tavernier, FL  
 Save The Manatee Club Maitland, FL  
 Nylon Net Co. Memphis, TN  
 Harbor Branch Oceanographic Inst. Ft. Peirce, FL  
 Cottee Industries Port Richey, FL  
 L&S Bait Co. Largo, FL  
 E & B Marine Supply Inc. St. Petersburg, FL  
 Lott Brothers North Palm Beach, FL  
 Tidal Graphics St. Petersburg, FL  
 Sports Unlimited Clearwater, FL  
 Bill Jackson's St. Petersburg, FL  
 Mastry's St. Petersburg, FL  
 Q-Zoo TV Show St. Petersburg, FL  
 Action Optics Napa, CA  
 FL Sea Grant  
 Capt. Butch Constable Jupiter, FL  
 Tampa Bay National Estuaries Society St. Petersburg, FL  
 Walmart St. Petersburg, FL  
 K-Mart St. Petersburg, FL  
 National AFS Bethesda, MD  
 Sea World of FL Orlando, FL  
 Sports Authority Tampa, FL  
 Southern Tackle Mfg. Inc. Lakeland, FL

Florida Sportsman St. Petersburg, FL  
 Gheen MFG. Co. Titusville, FL  
 Mote Marine Research Lab Sarasota, FL  
 Jamie Serino St. Petersburg, FL  
 Ron Taylor St. Petersburg, FL  
 Boater's Monthly Madeira Beach, FL  
 Capt. Mark Ward Naples, FL  
 Capt. Scott Moore Englewood, FL  
 Alligood Marine Supply St. Petersburg, FL  
 Capt. CW "Wally" Valleau Marco Island, FL  
 Frank Sergeant Tampa, FL  
 Mr. C.E. Reed Clearwater, FL  
 Ande Corp. West Palm Beach, FL  
 Trader Bay Lures Titusville, FL  
 Tempress Seattle, WA  
 Fetzer Lure Co. Inc. Shreveport, LA  
 Acme Lures Providence, RI  
 Diawa Corp. Garden Grove, CA  
 Shimano American Corp. Irvine, CA  
 Padco Ft. Smith, AK  
 Olin Marine Division Peru, IN  
 The Cpt. Kidd St. Petersburg Beach, FL  
 Queen Fleet Deep Sea Fishing Clearwater, FL  
 Tim McOsker (Guide)  
 Natl. Marine Fisheries Service St. Petersburg, FL  
 Capt. Tony Brock Ochopee, FL  
 Gary Borland North Palm Beach, FL  
 Plano Molding Co. Plano, IL  
 New Wave Taxidermy Stuart, FL  
 Narney's House of Canvas Gulfport, FL  
 Luhr-Jensen Moore Haven, FL  
 Bonefish Willy's Titusville, FL  
 Duck's Unlimited  
 Culprit Clermont, FL  
 Capt. Ron Rebeck DeBary, FL  
 The Billfish Foun. Miami, FL  
 Village Framer/ Custom Frame Shop Eustis, FL



*Our thanks to :*

# ***E & B Discount Marine***

*For helping make the 1992 Florida Chapter  
AFS Raffle a smashing success.*

*Visit your local E&B store for the  
annual Spring Outfitting Sale.*

***Miami South  
305-232-0811***

***Miami Flagler  
305-225-8137***

***Hollywood  
305-921-1800***

***Pompano Beach  
305-960-0560***

***Palm Beach Area  
407-863-1440***

***Jensen Beach  
407-692-3092***

***Orlando  
407-644-8557***

***Melbourne  
407-723-1878***

***Panama City  
904-763-1844***

***Pensacola  
904-456-7305***

***Jacksonville East  
904-737-4360***

***Jacksonville West  
904-777-4600***

***Ft. Walton Beach  
904-664-2254***

***Tampa  
813-935-0449***

***St. Petersburg  
813-327-0072***

***New Port Richey  
813-841-7176***

***Fort Myers  
813-275-5939***

***Sarasota  
813-351-3431***

***Clearwater  
813-536-4002***

***Toll Free Orders  
1-800-533-5007***



Let's Go



# Deep Sea Fishing Co.

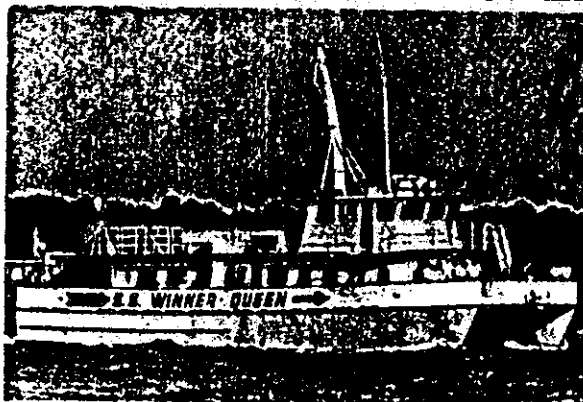
MARATHON, FLORIDA

Mile Marker 50 Behind C&S Bank

**CATCH YOUR OWN**

ABOARD THE

**NEW • FAST • ULTRA MODERN**



TUES.  
WED.  
THURS.

Departs 9:00 AM

**\$35.00**

Returns 4:00 PM

***Specializing In Flag Yellowtail!!***

**FOR THE DEDICATED FISHERMAN & HIS FAMILY**

- Enclosed A/C Lounge
- On Deck Rail Seating For Your Comfort
- Rod Rental Available

For

**Reservations & Info.**

**(305) 743-6969**

**"Skeets" Winner-Capt.**




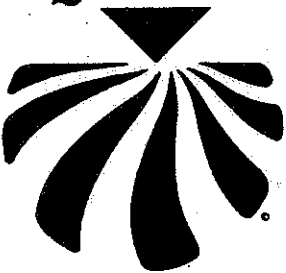

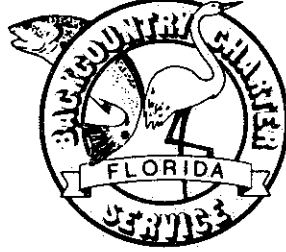
**WINNER PARTY BOAT FLEET**

***The Boats That Catch Fish!***

Try One of Our Dry Tortugas Fishing Excursions



# Thanks To These Additional Donors To Our FAFS Raffle!!

<p>MFG. OF BANANA LURE</p> <p><b>Fetzer Lure Company, Inc.</b></p> <p>5556 BENT TREE DRIVE SHREVEPORT, LA 71115</p>  <p>JOHN H. FETZER, JR. (318) 798-5806</p> <p>P.O. Box 6326 SHREVEPORT, LA 71136</p>	 <p><i>Southern Tackle Mfg., Inc.</i></p> <p>P.O. Box 164 Lakeland, FL 33801 (813) 687-0481</p> <p>JACK DOOLITTLE General Manager</p>
<p><b>FISHING</b></p> <p>MARCO ISLAND, FLORIDA</p> <p><b>CAPT. WALLY VALLEAU</b></p> <p>OFFSHORE - 37' DIESEL BACKWATER - 26' STAMAS</p> <p>USCG LIC. - INSURED</p> <p>813-394-2285</p>	 <p>Classic Manufacturing Co., Inc.</p> <p><b>Dave Burkhardt</b> Vice President/Sales &amp; Marketing</p> <p>P. O. Box 1249 Clermont, FL 32711</p> <p>(407) 656-6133 • (904) 394-FISH FAX (407) 877-8960</p>
<p><b>THE PIER AQUARIUM</b></p>  <p><i>Kathy King</i></p> <p>800 Second Avenue Northeast St. Petersburg, Florida 33701 (813) 895-PIER</p>	 <p>SPECIALISTS IN: BACKPACKING BOARD SAILING CAMPING CANOEING FISHING HUNTING KAYAKING SCUBA DIVING SNOW SKIING WATER SKIING</p> <p>Shop For Adventure</p> <p><b>Ray Surdyk</b></p> <p>9501 U.S. 19 North, Pinellas Park, FL 34666 St. Petersburg — (813) 576-4169 Tampa Direct Line — (813) 254-5142 FAX — (813) 576-7579</p> <div data-bbox="876 1470 1518 1827" style="border: 1px solid black; padding: 5px;"> <p><b>Light Tackle Fishing Adventures — (Fly - Spin - Plug)</b></p> <p>For charter reservations and more information, call or write</p> <p><b>CAPT. RON REBECK</b> USCG License # 280958 31 Cunningham Road DeBary, Florida 32713 (407) 668-5516</p> <p><b>CAPT. JON B. CAVE</b> USCG license # 206701 1623 Hastings Court Casselberry, Florida 32707 (407) 696-6119</p>  </div>

## Update on Florida LAKEWATCH

The Florida LAKEWATCH Program in which volunteers participate with University of Florida researchers to monitor lake water quality around the State, is still growing strong. For example:

1. In the past six months over sixty lakes have been added to those already in the Program.
2. As a pilot project, monitoring on twenty sampling sites on the Crystal River has been taken over by LAKEWATCH volunteers from the Southwest Florida Water Management District researchers who were forced by budget constraints to discontinue their monitoring.
3. Two new collection centers, one at the Orange County Cooperative Extension Service Office in Orlando and one at St. Johns River Water Management District Office in Palatka, have been set up.
4. Two video tapes have been produced: (1) What Makes a Quality Lake, and (2) Florida LAKEWATCH: Join the Team. These videos can be borrowed free of charge or purchased through the Information Office at the Center for Aquatic Plants at 904-392-1799.
5. Volume III of the LAKEWATCH Newsletter has been distributed. A free subscription can be obtained by contacting Sandy Fisher at 904-392-9613.

# SPORTS UNLIMITED

**THE BEST PRICES IN SPORTS**

We have everything you need for a **REELIN' GOOD TIME!**



Select from all your favorite fishing brands at the lowest prices! SPORTS UNLIMITED is the place to be for ALL your fishing and marine needs!

**Daiwa**  
COMMITMENT TO QUALITY

**Berkley**

**MINN KOTA**

**TEBCO** **PENN TACKLE**

**Abu Garcia**

**MotorGuide** **SILSTAR** **EAGLE**

HRS: M-F 10-9 SAT 9-9, SUN 11-6 13445 U.S. HWY 19 S. CLEARWATER, FL. 34624 (813)-535-7779

The advertisement is framed by a border of small icons representing various sports and activities such as fishing, golf, tennis, and swimming.

# **Grass Carp Information Directory**

## **Compiled by Florida Chapter of the American Fisheries Society**

### **Grass Carp Committee**

**Mark Hoyer, University of Florida, 7922 NW 71st Street, Gainesville Florida 32609**

**John Cassani, Lee County Hyacinth Control, P. O. Box 06005**

**Bruce Jagers, Bill Johnson, and Lowell Trent, Game and Freshwater Fish Commission, 6001 W. Woodward Ave., Eustis, FL 32727-1903**

**Drew Leslie, Department of Natural Resources, 3900 Common Wealth Blvd, Tallahassee FL 32303**

### **Introduction**

Since the introduction of grass carp (*Ctenopharyngodon idella*) to the United States in the early 1960's and in Florida by the mid 1970's, the grass carp has become a major management tool for the control of aquatic vegetation. Florida now uses a triploid grass carp to control aquatic vegetation in many aquatic systems including canals, small and large impoundment and natural lakes. The triploid grass carp, which is reportedly a sterile fish, is used instead of the diploid carp to eliminate natural reproduction in state waters. The control of vegetation with grass carp, as well as other control methods, in aquatic systems yields the potential for changes in other components of the system including, water quality, fish and wildlife populations. The exact changes in water quality, fish and wildlife populations that occur as aquatic vegetation is removed from a system is still a matter of debate among many management and research personnel.

To facilitate the transfer of information on the use of grass carp, the Grass Carp Committee of the Florida Chapter of the American Fisheries Society (FAFS) has composed this information directory as a source of information for state agency personnel as well as private citizens who are working with or planning to work with grass carp. This directory consists of names and addresses of professionals, who have worked with grass carp or on lakes that have been stocked with carp, that are willing to share their knowledge of using grass carp to control aquatic vegetation with any interested parties. They are listed with their area of expertise in parentheses after their name, which was divided into the following groups for this bulletin: aquatic macrophytes (AM), bird populations (BP), fish populations (FP), water quality (WQ), stocking procedures (SP), economic analysis (EA), integrated management (IM), and carp production (CP). The professionals on this list, which is not all inclusive of the professional in the state of Florida, are from many different agencies and regions of the state, yielding a diverse group from which to ask questions regarding the effect of using grass carp as a biological control agent. Their opinions on the use of grass carp do not necessarily represent the official views of the agencies for which they work.

The grass carp is a restricted fish that may be possessed only by permit from the Florida Game and Fresh Water Fish Commission (GFC Rule 39-23.088). The procedure for obtaining a permit starts with an application that can be obtained from:

**Mr. Clayton Phillippy  
Florida Game and Fresh Water Fish Commission  
Farris Bryant Building  
620 South Meridian Street  
Tallahassee, FL 32399-1600  
(904) 488-4066**

If the applicant's water body is 5 acres or less, a biologist will call the applicant for further information in order to make a recommendation. If the water body is over 5 acres a biologist will conduct an on site visit and make a recommendation.

## Directory

Rick Aldridge (CP) University of Florida  
7922 NW 71st Street  
Gainesville, FL 32609  
(904) 392-9617

Holly Allair (FP, WQ, SP, CP)  
Lee County Hyacinth Control District  
P. O. Box 06005  
Fort Myers, FL 33906  
(813) 694-5844

Robert Andrew (EA, IM)  
Valencia Water Control District  
10365 Orangewood Blvd.  
Orlando, FL 32821  
(407) 351-2766

Dean Barber (AM, IM)  
Department of Natural Resources  
4378 L. B. McLeod Rd #8  
Orlando, FL 32811  
(407) 423-6037

David Brakhage (AM, BP)  
Game and Fresh Water Fish Commission  
4067B Brewster Rd.  
Tallahassee, FL 32308-0000  
(904) 488-5878

Richard Cailteux (FP, WQ)  
Game and Fresh Water Fish Commission  
2634A N Point Blvd  
Tallahassee, FL 32308-0000  
(904) 627-9674

John Cassani (FP, WQ, SP, CP)  
Lee County Hyacinth Control District  
P. O. Box 06005  
Fort Myers, FL 33906  
(813) 694-5844

Charles Cichra (SP, FP, AM, WQ)  
University of Florida  
7922 NW 71st Street  
Gainesville, FL 32609  
(904) 392-9617

Doug Colle (SP, FP, AM, WQ, CP)  
University of Florida  
7922 NW 71st Street  
Gainesville, FL 32609  
(904) 392-9617

Roger Cox (EA, IM)  
City of Orlando Bureau of Streets and  
Drainage  
1010 S. Westmoreland  
Orlando, FL 32805  
(407) 849-2238

Cecil Davis (EA, IM)  
Ranger Drainage District  
20751 State Rd 520  
Orlando, FL 32833  
(407) 568-5502

Diane Eggeman (AM, BP)  
Game and Fresh Water Fish Commission  
4067B Brewster Rd.  
Tallahassee, FL 32308-0000  
(904) 488-5878

Dave Eggeman (AM, FP, SP, IM)  
Game and Fresh Water Fish Commission  
3900 Drane Field Rd  
Lakeland, FL 33811  
(813) 648-3202

Jim Estes (FP, AM, WQ)  
Game and Fresh Water Fish Commission  
7922 NW 71st Street  
Gainesville, FL 32609  
(904) 392-9617

John Evertsen (EA, IM)  
City of Orlando Bureau of Streets and  
Drainage  
1010 S. Westmoreland  
Orlando, FL 32805  
(407) 849-2238

Douglas Gleckler (AM, FP, SP, IM)  
Game and Fresh Water Fish Commission  
3900 Drane Field Rd  
Lakeland, FL 33811  
(813) 648-3202

Chuck Hannlon (WQ, FP, AM)  
South Florida Water Management District  
P. O. Box 24680  
3301 Gunclub Rd  
West Palm Beach, FL 33416-4680  
(407) 687-6748

Rue Hestand (AM, FP, SP, IM, CP)  
Game and Fresh Water Fish Commission  
P. O. Box 1903  
Eustis, FL 32727-1903  
(904) 357-6631

Joe Hinkel (WQ, AM)  
Department of Natural Resources  
703 N Marion St.  
Lake City, FL 32055  
(904) 758-0464

Bruce Jagers (AM, FP, SP, IM, CP)  
Game and Fresh Water Fish Commission  
P. O. Box 1903  
Eustis, FL 32727-1903  
(904) 357-6631

Jim Kelly (AM, FP, SP, IM)  
Florida Department of Natural Resources  
6355 South Florida Ave  
Floral City, FL 32636  
(904) 726-8622

Jerry Krummrich (WQ, AM, FP, SP)  
Game and Fresh Water Fish Commission  
Rt. 14 Box 189  
Lake City, FL 32055-0000  
(904) 488-5878

Ernesto Lasso de la Vega (FP, WQ, SP, CP)  
Lee County Hyacinth Control District  
P. O. Box 06005  
Fort Myers, FL 33906  
(813) 694-5844

Drew Leslie (AM, FP, SP, IM, CP)  
Florida Department of Natural Resources  
3900 Common Wealth Blvd  
Tallahassee, FL 32303  
(904) 487-2600

Judy Ludlow (AM, WQ)  
Department of Natural Resources  
4378 Lb McLeod Rd # 8  
Orlando, FL 32811  
(407) 423-6037

Samuel McKinney (WQ, AM, FP, SP)  
1239 SW 10th ST  
Ocala, FL 32674-2723  
(904) 732-1230

John Rogers (WQ, SP)  
Florida Department of Natural Resources  
Interstate Business Park  
8302 Laural Fair Cir. #140  
Tampa, FL 33906  
(813) 620-6157

Roger Rottman (CP)  
University of Florida  
7922 NW 71st Street  
Gainesville, FL 32609  
(904) 392-9617

Keshav Setaram (IM, AM, WQ, SP)  
Orange County Environmental Protection  
Department  
2002 E Michigan Street  
Orlando, FL 32806  
(407) 244-7400

Bill Sheaffer (FP, AM, WQ)  
Game and Fresh Water Fish Commission  
7922 NW 71st Street  
Gainesville, FL 32609  
(904) 392-9617

Jesse Van Dyke (AM, FP, SP, IM, CP)  
Florida Department of Natural Resources  
3900 Common Wealth Blvd  
Tallahassee, FL 32303  
(904) 487-2600

\*\*\*\*\*

## Newsletter Publication Deadline:

The next issue of this newsletter will be mailed in April 1993. If you have something that you would like to include in the next newsletter, please get it to me no later than 31 March 1993.

Send your information to:

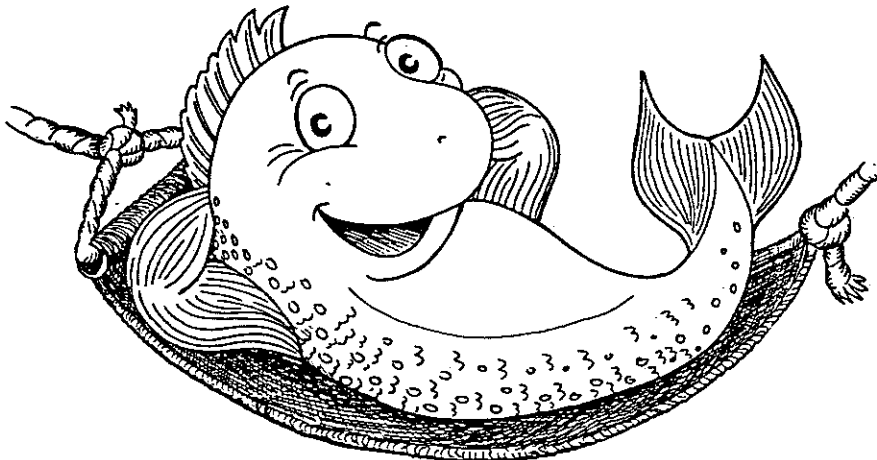
Chuck Cichra  
FAFS Newsletter Editor  
University of Florida  
Department of Fisheries & Aquatic Sciences  
7922 NW 71st Street  
Gainesville, Florida 32606

Phone: (904) 392-9617, SUNCOM 622-9617  
FAX: (904) 392-3462, SUNCOM 622-3462

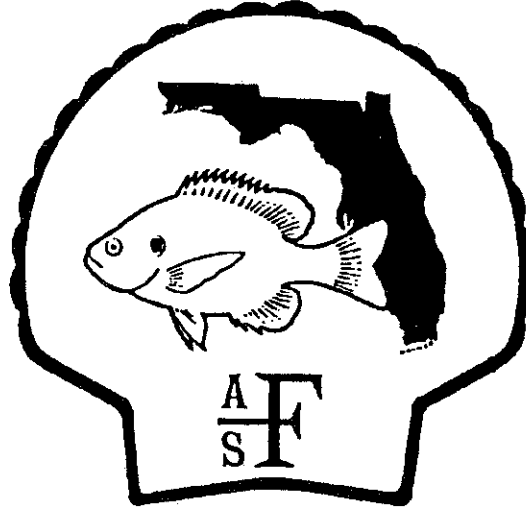
\*\*\*\*\*

## Position Available:

Chair, Department of Fisheries and Aquatic Sciences, University of Florida. The University of Florida invites applications and nominations for Chair of the Department of Fisheries and Aquatic Sciences (Position #DFA-1218). Candidates must have a Ph.D. in an appropriate discipline. The Chair is encouraged to conduct research and teach one course per year. Applications from women and minorities are encouraged. A complete position description can be obtained from the department. Interested candidates must submit a letter of application, curriculum vita, and five letters of reference to: Dr. Daniel E. Canfield, Jr., Department of Fisheries and Aquatic Sciences, 7922 NW 71st Street, Gainesville, FL 32606-3071. Phone: (904) 392-9617. **Open until 15 March 1993.** An Equal Opportunity/Affirmative Action Institution.



Florida Chapter Annual Meeting  
22-24 February 1993



Final Call For Papers/Map - See Inside!!

---

FLORIDA CHAPTER AFS  
PO BOX 1903  
EUSTIS FL 32727-1903

ADDRESS CORRECTION REQUESTED

Non-Profit Organization  
U.S. POSTAGE  
PAID  
EUSTIS, FL  
PERMIT NO. 4