

International Sustainable Marine Fish Culture Conference and Workshop October 9-10, 2003

Conference and Workshop Program

Wednesday, October 8, 2003

4:00-8:00 Registration, Welcome Reception and Tour of Aquaculture Development Park Larizza House

Thursday, October 9, 2003

7:30 - 10:30 Conference Registration Conference Center

7:30 - 9:00 **Breakfast**
*Sponsored by **Division of Aquaculture, Florida Department of Agriculture and Consumer Services*** Gallery

9:00 - 9:30 **Welcome and Introduction**
Kenneth Riley, Director of Aquaculture Education, Harbor Branch Oceanographic Institution
Shirley Pomponi, Vice President & Director of Research, Harbor Branch Oceanographic Institution
Megan Davis, Aquaculture Division Director, Harbor Branch Oceanographic Institution
Don Freeman, Center Director, USDA Agricultural Research Service, Harry K. Dupree Stuttgart National Aquaculture Research Center Auditorium

9:30 - 10:00 **Keynote Address**
MANIPULATION OF REPRODUCTION IN FARMED FISH: HORMONES AND GENES
Yonathan Zohar, University of Maryland Biotechnology Institute Auditorium

10:00 - 10:30 **Break and Informal Discussions**
*Sponsored by **R & B Aquatic Distribution*** Gallery

10:30 - 12:00 **Industry Status and Future Directions**
Moderator: Megan Davis, Harbor Branch Oceanographic Institution Auditorium

10:30 - 10:45 MARINE FINFISH AQUACULTURE: A COMMERCIAL OPPORTUNITY IN THE UNITED STATES?
George Nardi, GreatBay Aquaculture

10:45 - 11:00 OPPORTUNITIES AND CONSTRAINTS IN MARINE AQUACULTURE IN NORTH AMERICA
Jesse Chappell, Auburn University

Thursday, October 9, 2003

11:00 - 11:15	PRACTICAL & ECONOMIC ISSUES IN THE OPERATION OF COMMERCIAL MARINE RECIRCULATING AQUACULTURE SYSTEMS <i>Joshua Goldman, Aquatic Advisors</i>	
11:15 - 11:30	SUMMARY OF ACTIVITIES AT THE AQUACULTURE CENTER OF THE FLORIDA KEYS, 2002-2003 <i>Owen Stevens, Aquaculture Center of the Florida Keys</i>	
11:30 - 11:45	THE POTENTIAL FOR STRIPED BASS CULTURE IN SEAWATER <i>James Carlberg, Kent SeaTech Corporation</i>	
11:45 - 12:00	MARKET ASSESSMENT: A RECOMMENDED FIRST STEP IN SPECIES DEVELOPMENT <i>Ferdinand Wirth, University of Florida</i>	
12:00 - 1:30	Lunch <i>Sponsored by Aquatic Eco-Systems</i>	Gallery
1:30 - 2:00	Nutrition and Feeding Strategies Moderator: Michael Schwarz, Virginia Polytechnic Institute	Auditorium
1:30 - 1:45	DEVELOPMENT OF NEW SPECIES MARINE DIETS: RESEARCH AND INDUSTRY IN COOPERATION <i>Todd Powless, Zeigler Brothers</i>	
1:45 - 2:00	FEEDS, FEEDING, AND PHYSIOLOGY: BRINGING EVERYONE TO THE TABLE <i>Marty Riche, USDA Agricultural Reseach Service</i>	
2:00 - 2:45	Culture and Production of Euryhaline Species Moderator: Michael Schwarz, Virginia Polytechnic Institute	Auditorium
2:00 - 2:15	RESEARCH SYNOPSIS ON INTENSIVE CULTURE OF THREE MARINE FINFISH SPECIES IN NORTH CAROLINA: SUMMER FLOUNDER, SOUTHERN FLOUNDER, AND BLACK SEA BASS <i>Wade Watanabe, University of North Carolina at Wilmington</i>	
2:15 - 2:30	SUMMER FLOUNDER <i>Paralichthys dentatus</i> RESEARCH AT THE UNIVERSITY OF RHODE ISLAND <i>David Bengston, University of Rhode Island</i>	
2:30 - 2:45	DEVELOPING CULTURE MARINE FISH TECHNOLOGIES FOR STOCK ENHANCEMENT IN RECIRCULATING SYSTEMS <i>Kevan Main, Mote Marine Laboratory</i>	

Thursday, October 9, 2003

3:00 - 3:30	Break and Informal Discussions <i>Sponsored by Miami Filter</i>	Gallery
3:30 - 5:00	Culture and Production of Offshore Marine Species Moderator: James McVey, National Sea Grant Program	Auditorium
3:30 - 3:45	ADVANCES IN HATCHERY AND GROWOUT TECHNOLOGY OF COBIA (<i>Rachycentron canadum</i>) AND OTHER CANDIDATE SPECIES FOR OFFSHORE AQUACULTURE <i>Daniel Benetti, University of Miami</i>	
3:45 - 4:00	ADVANCES AND CONSTRAINTS IN THE PRODUCTION OF RED SNAPPER <i>Lutjanus campechanus</i> <i>Ronald Phelps, Auburn University</i>	
4:00 - 4:15	EMERGING MARINE FINFISH SPECIES UNDER CULTURE DEVELOPMENT AT THE OCEANIC INSTITUTE IN HAWAII <i>Charles Laidley, Oceanic Institute</i>	
4:15 - 4:30	MARINE FISH CULTURE IN CALIFORNIA – CURRENT STATUS AND FUTURE CHALLENGES <i>Mark Drawbridge, Hubbs SeaWorld Marine Institute</i>	
4:30 - 4:45	UPDATE ON RESEARCH EFFORTS WITH COBIA <i>Rachycentron canadum</i> <i>Jeff Kaiser, University of Texas at Austin</i>	
5:30 - 6:30	Tour of Aquaculture Development Park	
6:00 - 9:00	Aquaculture Seafood Extravaganza Dinner <i>Co-sponsored by Florida Aquaculture Association and University of Florida, Tropical Aquaculture Laboratory</i>	Gallery

Friday, October 10, 2003

7:30 - 8:30	Breakfast <i>Co-sponsored by Aquaculture Systems Technologies and Emperor Aquatics, Inc.</i>	Gallery
8:30 - 8:45	Welcome and Conference Updates <i>Kenneth Riley, Harbor Branch Oceanographic Institution</i>	Auditorium

Friday, October 10, 2003

8:45 - 9:45	Engineering Sustainable Aquaculture Systems <i>Moderator: Jeff Wilcox, Florida State University</i>	Auditorium
8:45 - 9:00	BASIS OF DESIGN FOR A LARGE SEAWATER SYSTEM <i>Paul Hundley, Applied Aquatics</i>	
9:00 - 9:15	OPPORTUNITIES AND CONSTRAINTS IN THE USE OF RECIRCULATING TECHNOLOGY IN MARINE FISH HATCHERIES <i>John Colt, Northwest Fisheries Science Center</i>	
9:15 - 9:30	DEVELOPING SUSTAINABLE MARINE AQUACULTURE SYSTEMS <i>Timothy Pfeiffer, USDA Agricultural Research Service</i>	
9:30 - 9:45	RECIRCULATING AQUACULTURE SYSTEM DESIGN FOR STURGEON PRODUCTION IN FLORIDA <i>Jim Michaels, Mote Marine Laboratory</i>	
9:45 - 10:15	Integrated Health Management <i>Moderator: Jeff Wilcox, Florida State University</i>	Auditorium
9:45 - 10:00	COMMON AND EMERGING DISEASES IN COMMERCIAL MARINE FOODFISH CULTURE <i>Kathleen Hartman, USDA APHIS</i>	
10:00 - 10:15	DIAGNOSIS, TREATMENT, AND PREVENTION OF DISEASE IN MARICULTURE <i>John Hawke, Louisiana State University School of Veterinary Medicine</i>	
10:15 - 10:45	Break and Informal Discussions <i>Sponsored by Burris Mill and Feed</i>	Gallery
10:45 - 11:30	Genetic Improvement Through Use of BioTechnology <i>Moderator: John Scarpa, Harbor Branch Oceanographic Institution</i>	Auditorium
10:45 - 11:00	AN EVOLUTIONARY APPROACH TO THE INDUCED SPAWNING OF FISHES <i>James Powell, Syndel International</i>	
11:00 - 11:15	FIFTY YEARS OF CRYOPRESERVATION IN AQUATIC SPECIES <i>Terrence Tiersch, Louisiana State University</i>	

Friday, October 10, 2003

11:15 - 11:30	GYNOGENESIS AND TEMPERATURE-SENSITIVE SEX DETERMINATION FOR ENHANCING PRODUCTION OF SOUTHERN FLOUNDER THROUGH ALL-FEMALE CULTURE <i>Russell Borski, North Carolina State University</i>	
11:30 - 12:15	Florida Aquaculture Association Annual Membership Meeting	ACTED Classroom
11:30 - 12:15	Emerging Hatchery Technologies <i>Moderator: John Scarpa, Harbor Branch Oceanographic Institution</i>	Auditorium
11:30 - 11:45	CULTURE OF MARINE FISH LARVAE FOR COMMERCIAL PRODUCTION: ARE ALL LARVAE CREATED EQUAL? <i>Edward Chesney, Louisiana Universities Marine Consortium</i>	
11:45 - 12:00	CONSIDERATIONS WHEN RAISING AND USING ROTIFERS <i>Frank Hoff, Florida Aqua Farms</i>	
12:00 - 12:15	OVERVIEW OF A CONTINUOUS HIGH DENSITY ROTIFER SYSTEM USING INSTANT ALGAE PASTE <i>Amy Riedel, Aquatic Eco-Systems</i>	
12:30 - 1:30	Lunch <i>Sponsored by INVE Aquaculture Nutrition</i>	Gallery
1:30	Florida Aquaculture Review Council Meeting	ACTED Classroom
1:30 - 3:30	Workshop Sessions 1. Broodstock management and reproduction <i>Moderator: Daniel Benetti, University of Miami</i> <i>Recorder: Patrick Tracy, Florida State University</i> 2. Hatchery techniques and production of live feeds <i>Moderator: Wade Watanabe, University of N.C. at Wilmington</i> <i>Recorder: Todd Lenger, USDA ARS</i> 3. Sustainable grow-out techniques <i>Moderator: Michael Schwarz, Virginia Polytechnic Institute</i> <i>Recorder: Timothy Pfeiffer, USDA ARS</i> 4. Nutrition and feeding Strategies <i>Moderator: Steve Rawles, USDA ARS</i> <i>Recorder: Scott Snyder, USDA ARS</i>	Auditorium Seminar East Seminar West Board Room
3:30 - 4:00	Break and Informal Discussions <i>Sponsored by Reed Mariculture and Rowland Fiberglass</i>	Gallery
4:00 - 5:00	Workshop Summaries and Concluding Remarks	Auditorium