

KENTUCKY AQUATIC FARMING

A Newsletter for Kentuckians Interested in Improving Fish and Shellfish Production, and Pond Management.

VOLUME 24, NO. 2

SEPTEMBER 2011

AQUACULTURE FIELD DAY AND WORKSHOP

Saturday, October 29, 2011

at the Kentucky State University Aquaculture Research Center

GPS: 103 Athletic Road, Frankfort, KY 40601

Registration at 9:00 am

Talks begin at 9:20

**Lunch will be served
from Noon until 1:00**

**Afternoon talks will be
from 1:00 until 4:00**

Things happening around the state
in aquaculture production
and aquaculture research
will be covered by
Kentucky State University researchers
and Extension specialists.

Speakers will include:



Jim Tidwell, Ph.D., *Professor*, has chaired KSU's Aquaculture Division for the past 21 years providing leadership in attaining the Aquaculture Division's designation as KSU's Program of Distinction and directing crucial research in commodities including largemouth bass and freshwater prawn production. Dr. Tidwell is a past president of the World Aquaculture Society.



Steve Mims, Ph.D., *Professor*, has performed important research on paddlefish meat and caviar production over the past 26 years, laying the groundwork for a paddlefish production industry in Kentucky. Dr. Mims is recognized worldwide as an authority in paddlefish.



Carl Webster, Ph.D., *Professor*, has researched vital nutritional needs of many fish species in our state including catfish and hybrid striped bass since 1989. He is also considered a pioneer in research on the Australian red claw crayfish. Dr. Webster has served as editor for several international aquaculture journals and textbooks.

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**KENTUCKY STATE UNIVERSITY/UNIVERSITY OF KENTUCKY
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Bob Durborow, Ph.D., *Professor*, has served as State Extension Aquaculture Specialist since 1990 and directs the KSU Fish Disease Diagnostic Laboratory. His educational DVD on fish diseases is used worldwide in university classrooms for fish health training of graduate and undergraduate students. Bob will moderate the October 29th workshop.



Christopher Owen, Ph.D., *Post Doctoral Position*, is researching the culture of endangered freshwater mussels in the laboratory with the objective of restoring natural mussel populations and providing valuable specimens for research and toxicology testing.



Boris Gomelsky, Ph.D., *Associate Professor*, is a world-renowned fish geneticist with textbooks published in both English and Russian. His online classes have enrolled students from 14 different countries and 35 US states. Dr. Gomelsky has performed studies on color inheritance in koi in Israel and at Kentucky State University.



Shawn Coyle, M.S., *Aquaculture Research Co-Investigator*, investigates production of largemouth bass, catfish, freshwater prawn, and other commercial aquaculture crops in Kentucky and involves students (both graduate and undergraduate) in the research process.



Sid Dasgupta, Ph.D., *Associate Professor*, is recognized worldwide as an authority on aquaculture economics; he frequently determines the likelihood of certain fish farm commodities making a profit, helping to point university researchers in the direction that will lead to profits for our state's farmers.



Ken Thompson, M.S., *Aquaculture Research Co-Investigator*, investigates the nutritional requirements, production, and outreach extension projects of hybrid striped bass, Australian red claw crayfish, and Nile tilapia and involves students (undergraduates, graduate students and high schoolers) in the process.

Drs. Tidwell, Mims, Webster, Durborow, Gomelsky & Dasgupta teach M.S. and B.S. students on campus and online courses in fish production, hatchery management, physiology, diseases, water quality, genetics, economics and statistics. 333 students from 19 foreign countries and 36 states have taken KSU Aquaculture online courses over the past 10 years.



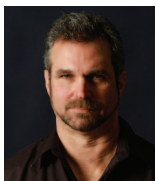
William Bean, M.S., *KSU Educator*, has performed outreach education in aquaculture, fisheries science and natural resource management to school children throughout Kentucky. He teaches in high schools, middle schools and elementary schools and from his mobile teaching lab.



Bill Wurts, Ph.D., *State Extension Aquaculture Specialist*, located in Princeton, KY, works with County Agents as well as pond and land owners statewide. He provides education, information and consultation about pond management, water quality, production biology and small-scale sustainable aquaculture.



Kyle Schneider, M.S., *Aquaculture Research Co-Investigator*, investigates fish and crustacean molecular genetics with koi, goldfish, prawn and shrimp.



Forrest Wynne, M.S., *State Extension Specialist for Aquaculture*, is stationed in Mayfield, KY, the center of Kentucky catfish farming. He assists aquaculturists throughout the state in best production practices.



Angela Caporelli, B.S., *Kentucky Aquaculture Coordinator* with the Kentucky Department of Agriculture, works with aquaculturists across the state in marketing and production.



WORKSHOP AGENDA

9:00 Registration

9:20 Welcome and Introduction/Overview of Workshop

Dr. Mary Sias, *KSU President*

Dr. Teferi Tsegaye, *Dean of KSU College of Agriculture, College of Agriculture, Food Science & Sustainable Systems*

Dr. Kimberly Holmes, *Associate Vice President for Innovation and Inclusion*

Dr. Jim Tidwell, *Aquaculture Division Chair*

Talks Moderated by Dr. Bob Durborow, *State Extension Specialist for Aquaculture, KSU*

9:45 Western KY aquaculture update - Mr. Forrest Wynne

10:00 Aquaculture marketing options for Kentuckians - Dr. Sid Dasgupta

10:15 Split pond systems and hybrid catfish production - Dr. Sid Dasgupta

10:30 Hauling fish - Dr. Bill Wurts

10:45 BREAK

11:00 Australian red claw crayfish production - Mr. Ken Thompson

11:20 Koi production and genetics - Dr. Boris Gomelsky

11:40 Fish/Shrimp molecular genetics - Mr. Kyle Schneider

12:00 LUNCH

1:00 Largemouth bass production - Mr. Shawn Coyle

1:30 Freshwater prawn research update - Dr. Jim Tidwell

1:45 Tips for selling fish & shrimp at farmers markets - Ms. Angela Caporelli

2:00 Reuse & sustainable production systems for paddlefish

Dr. Steve Mims

2:30 Intensive paddlefish pond production - Dr. Steve Mims

2:45 BREAK

3:00 Mobile classroom aquaculture education - Mr. William Bean

3:15 Hydroponics and fish production - Dr. Jim Tidwell

3:35 Safety in aquaculture - Dr. Bob Durborow

3:55 Freshwater mussel culture - Dr. Christopher Owen

4:10 Wrap-up

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*This newsletter also available on the web at
at www.ksuaquaculture.org*

2011 Kentucky State University Aquaculture Workshop

REGISTRATION FORM

Name: _____

Street/Post Office: _____

City: _____ County: _____ State: _____ Zip: _____

Phone: _____ Cell Phone: _____

Fax: _____ Email: _____

Website: _____

\$9 per person X _____ (number of people) = \$ _____ enclosed

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