AQUACULTURE AMERICAL2009

February 15-18, 2009
Washington State
Convention Center
Seattle, Washington



THE NATIONAL CONFERENCE & EXPOSITION OF





Health Sponsor



Associate Sponsors

AFIA - Aquaculture Committee
American Tilapia Association
American Veterinary Medical Association
Aquacultural Engineering Society
Aquaculture Association of Canada
Catfish Farmers of America
Fish Culture Section, AFS

Global Aquaculture Alliance
International Association of Aquaculture
Economics and Management
Latin American Chapter WAS
Striped Bass Growers Association
US Shrimp Farming Association
US Trout Farmers Association
World Aquatic Veterinary Medical Association



AQUACULTURE AMERICA RETURNS TO SEATTLE



AQUACULTURE AMERICA 2009 returns to one of the favorite tourist spots in the world for the only major national aquaculture conference and exposition held in the U.S. The U.S. Aquaculture Society (formerly U.S. Chapter of WAS) joins with National Aquaculture Association and the U.S. Aquaculture Suppliers Association to produce the annual Aquaculture America meetings.

These sponsors are joined by the annual meetings of Aquacultural Engineering Society, American Tilapia Association, Striped Bass Growers Association, US Trout Farmers Association, US Shrimp Farming Association and many more associations to make Aquaculture America 2009 the one meeting in the U.S. that you don't want to miss!

BEYOND THE CONFERENCE

Come to Seattle for the conference and trade show and get all of Seattle's marvelous extras! Enjoy the many wonderful restaurants and night spots – visit world-class museums – fill your suitcases shopping at a wide variety of great stores - visit the spectacles of the Cascade Mountains - cruise the Puget Sound – plan a ski holiday – take a side trip to Victoria or Vancouver, Canada! There is something for everyone to enjoy in and around Seattle!

A CRITICAL TRADE SHOW FOR AQUACULTURISTS!

AQUACULTURE AMERICA 2009 will have the largest aquaculture trade show in the Western Hemisphere and one of the largest anywhere in the world with nearly 200 booths! This is your opportunity to inspect the latest in products and services for the aquaculture industry. It is the place to visit current suppliers and make new contacts. To keep ahead and to keep profits building, you need to keep pace with the technological advancements in the industry - and AQUACULTURE AMERICA 2009 is the place to do it!

YOUR FULL CONFERENCE REGISTRATION INCLUDES:

- Admission to all sessions, seminars and the trade show.
- Admission to the President's Reception.
- Conference Bag, Abstract CD and Show Directory
- Refreshment Breaks and Cash Bar Happy Hour
- Students receive the full registration package plus the Student Reception.

Only pre-registered attendees are guaranteed materials.



EXPANDED PRODUCER PROGRAM

Aquaculture America is known for the high quality of its Producer Program organized by NAA. AQUACULTURE AMERICA 2008 will continue to expand the size and scope of the producer program to address all of the issues facing producers in the U.S. as well as around the world.

Special session on Zebrafish workshop.

AQUACULTURE AMERICA 2009 SESSIONS AT A GLANCE BY SCHEDULED TIME

Monday, February 16

Zebransii Workshop	1.50	4.50
Energy Use, Resources Consumption,		
and Sustainability of Aquaculture Systems		
Lipids in Aquaculture Nutrition and Physiology	11:00 -	4:30
Therapeutic Drug Research	11:00 -	4:30
Cryopreservation in Aquatic Species Book Party	11:00 -	12:30
Careers in Aquaculture	11:00 -	12:30
Women in Aquaculture	1:30 -	4:30
Effective Extension Program Development and Evaluation	1:30 -	4:30
International Aquaculture Development for the Poor		
Channel X Blue Hybrid Catfish		
Aquaculture Products: Post Harvest Quality,		
Product Innovations and Consumer Acceptance	11:00 -	12:30
Training and Extension Technology		
Larviculture		
Shrimp Feeding and Nutrition		
Water Quality		
Engineering		
Town Hall Engagement with Federal Aquaculture Programs		
NAAHP Update		
- 1		
Tuesday, February 17		
Alternative Feedstuffs for Aquaculture: APPA, NOAA,		
and USDA Joint Technical Session	8:30 -	5:00
Statistics in Aquaculture Research	8:30 -	5:00
Paddlefish in Aquaculture: Perspectives and Directions	8:30 -	5:00
International Marine Shrimp Environmental Genomics Initiative:		
Monitoring Ecosystem, Animal, and Public Health	1:30 -	5:00
IAAEM- Current Issues in Aquaculture Economics,		
Management and Marketing	8:30 -	12:30
Current Status of VHS Research and Extension	1:30 -	5:00
Shrimp Culture	8:30 -	12:30
Zebrafish Workshop Continued	8:30 -	5:00
Aquatic Animal Diagnostics	8:30 -	10:00
U.S. Offshore Aquaculture	8:30 -	5:00
Aquaculture 101 - Starting an Aquaculture Business	8:30 -	5:00
How to do Business in the Post VHS World	8:30 -	12:30
How to Reach Seafood Buyers - The ABCs		
Improving National Aquaculture Statistics	10:30 -	12:30
Organic Aquaculture: Present Challenges, Future Opportunities		
USTFA Industry	1:30 -	5:00
ATA Industry Forum		

Wednesday, February 18

Developments in Marine Baitfish Culture	8:30 - 12:30
U.S. Marine Shrimp Farming Program	8:30 - 5:00
Advances in Sturgeon Culture	8:30 - 12:30
Sustainable Aquaculture	1:30 - 5:30
Catfish	8:30 - 12:30
Finfish Culture	8:30 - 5:00
Genetics and Selection	1:30 - 5:00
Reproduction	8:30 - 12:30
Health and Disease	1:30 - 5:00
General Finfish Nutrition	8:30 - 5:00
Nutritional Physiology	8:30 - 12:30
General Aquaculture	8:30 - 5:00
Aquaculture Marketing Tools and Techniques	8:30 - 5:00
Aquaculture Drug Approval Successes	8:30 - 12:30





AQUACULTURE AMERICA 2009 PROGRAM GRID

5:30 - 6:30	5:	·	3:		12:30	11:	0.00	8:30 - 10:00	Wed Feb 18	7:30 - 9:30	6:00 - 8:00	5:00 - 6:00	5:	3:	3:	<u>;</u> ;	12:30	10:	8:30 - 10:00	Tue Feb 17	6:30 - 9:30	4:30 - 6:00	4:	1:	12:30	<u> </u>	8:30 - 10:00	1												
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			and Disease	Health	ouccesses		Drug Approval	Aquaculture										Aquaculture	Offshore	U.S.			Federal Programs	Town Hall for	Update	NAAHP		Room 616												
							Aquaculture	General					Forum	Industry	USTFA		Mgmt, Marketing	Economics,	Issues in	IAAEM-Current			for Poor	Intl Aquaculture	Aquatic Species	Cryopreservation		Room 603												
							Culture	Sturgeon	Advances in								Business	Aquaculture	Starting an	Aquaculture 101				Extension Prog	Effective	Extension Tech	Training &		Room 602											
							Physiology	Nutrition						Session	Joint Technical	and USDA	A PPA, NOAA,	Aquaculture:	Feedstuffs for	Alternative			Physiology	Nutrition &	Aquaculture	Lipids in	Ç	Room 608												
					Culture	?	Baitfish	in Marine	Developments	Student									Research	Aquaculture	5	Statistics			in Aquaculture	Women	in Aquaculture	Careers	OPENING & PLENARY	Room 615										
Closing I				Techniques	ools o	7000	Marketing	Aquaculture			NAA.	Poster Session		& Extension	VHS Research	Current Status of	World	Post VHS	Business in the	How to Do	President	Poster session	Resources	Energy Use,	Contributed	Engineering		Room 618												
Closing Reception				Program	Farming	Shrimp		Marine	U.S.	Student Reception	NAA Auction	Poster Session & Happy Hour	Public Health	Ecosystem,	Monitoring	IMSEGI:		Culture	Shrimp		Presidents Reception	Poster session & Happy Hour			Nutrition	#30 Shrimp		Room 611												
					Nutrition	N	Finfish	General											Directions	Perspectives and	Aquaculture:	Paddlefish in							Larviculture		Room 609									
								Catfish														İ					Forum	Industry	ATA	Statistics	Aquaculture	Diagnostics	Aquatic Animal				Catfish	Blue Hybrid	Channel X	
		Breeding	Genetics					Reproduction																Seafood Buyers	How to Reach							Quality	Water		Room 606					
					roiuiii		Industry	SBGA							Opportunities	Future	Challenges,	Present	Aquaculture:	Organic				Research	Drug	Therapeutic		Room 607												
							Culture	Finfish									Continued	Workshop	Zebrafish				Workshop	Zebrafish	Quality/Innovation	Aqua Products		Room 613												



PLENARY SPEAKER Jay Whelan

University of Tennessee

Fishy Business: Aquaculture, Omega-3 fats and Health

the beneficial effects of omaga-3 tats. cancers. He has discovered that omega-6 fats, in particular arachidonic acid (AA), can negate the growth and development of tumors as they progress from benign forms to metastatic variety of cancers. Specifically, he investigates the effects of omega-3 and omega-6 fats on laboratory centers on the cellular and biomolecular effects of dietary fats as they relate to a polyunsaturated fats mediate health and disease; of particular interest are those lipids from fish more than 60 peer-reviewed publications. He is interested in how omega-3 and omega-6 by training with expertise in lipid metabolism as it relates to acute and chronic diseases with Dr. Jay Whelan is a Chancellor's Scholar and is currently a Professor and Head of the lipids associated with cardiovascular disease and inflammation. Currently, the research in his products, the omega-3 fats. His earlier work focused on how omega-3 fats impacted bioactive Department of Nutrition at the University of Tennessee in Knoxville. He is a lipid biochemist



ATTENDEE REGISTRATION FORM AQUACULTURE AMERICA 2009

February 15-18, 2009 - Seattle, Washington

Return address for payments in USD:
AQUACULTURE AMERICA 2009
Conference Manager
P.O. Box 2302
Valley Center, CA 92082 USA
Tel: +1 760 751 5005
Fax: +1 760 751 5003
Email: worldaqua@aol.com

Online registration is preferred at www.was.org OR fax or mail both sides with payment. Use one form per person.

Online registration is preferred at w				i pei peisoli.
	SE PRINT CLEARLY OR T		NFORMATION	
BADGE INFORMATION: (As you want your r	name badge to read – No t	ities, piease)		
First Name	SUF	RNAME (FAMILY NAME)		
Company or Institution (Limited to 40 Lette	vo 9 Changa			
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City	State/	P10V	Country	
MAILING INFORMATION: Email				
Address (please inc	lude email address)			
City	State / Prov	Postal Code	Country	у
Phone (Include country and city code)	(Include	e country and city code)	116. (6.16.6 6.16)	21. III. III. III.
REGISTRATION FEES: In order to receive the See 1st announcement for what is included in		below, this form and pa	yment must be received by	the date listed.
TYPE OF REGISTRATION FULL CONFERENCE & TRADE SHOW In order to receive the Pre-Registration discount rate, tl	Register by January 14, 2009	Register by January 28, 2009	Register after January 28, 2009	* To qualify for Member Rate you <u>must</u> complete
ASSOCIATION MEMBER RATE*	US\$ 335	US\$ 435	US\$ 535	the Association
STUDENT MEMBER RATE* Include copy of Student I.D.	US\$ 155	US\$ 155	US\$ 215	Memberships section on the reverse side.
NON-MEMBER RATE	US\$ 445	US\$ 545	US\$ 645	Trade Show is included
STUDENT NON-MEMBER RATE Include copy of Student I.D. You can join WAS on the reverse side and use	US\$ 205	US\$ 205	US\$ 265	in the Full Conference Registration Rate.
the Member Rate.				TOTAL REGISTRATION FEE
SPOUSE RATE	US\$ 250	US\$ 300	US\$ 400	Hee
Name		(Trado eho	 	US\$
TRADE SHOW PASS Good for 3 days admission to exhibits only – Feb. 10	6. 17. 18	US\$ 50	TOTAL TRADE SHOW PASS	,
FARM TOUR – Thursday, Feb. 19 – Taylor Shellf				
FANNITOON - Hursday, Feb. 19 - Taylor Stieff	ISII & IVIdIICIIESTEI LAD	US\$ 85	TOTAL FARM TOUR	US\$
MEMBERSHIP DUES – Enter amount from M	lembership Application on otl	ner side if applicable.	TOTAL MEMBERSHIP DUES	US\$
Do not mail registration after January 2 After Feb. 6, bring this form with you to		6.	TOTAL AMOUNT US	S\$
Registration Confirma	ation and Rec	eipt will be o	emailed after p	processing.
CANCELLATION POLICY: Cancellation of registration handling fee. Refunds are processed after the confo 28, 2009, no refunds will be made for professional Fees for memberships are non-refundable.	erence. No refund will be ma	de for cancellations receiv	ed after January 28, 2009 or fo	or "no shows". After January
PAYMENT METHOD: All fees must be pa	id to the order of AQUACULT	URE AMERICA 2009.		
Check # [Visa Mastero		xpress Discover	Diners Club
Card #			Name on Card	
For bank transfer details, contact us.		Signature		

REGISTRATION FORM - SIDE 2

Name	
ASSOCIATION MEMBERSHIPS: Please check all b	poxes for associations for which you are a <u>current</u> ualifies you for the Member Rate* on the Registration
Fees. You can join an association at any time before	
☐ American Tilapia Association☐ American Veterinary Medical Association☐ Aquacultural Engineering Society	☐ Latin American & Caribbean Chapter WAS ☐ Malaysian Fisheries Society
☐ Aquacultural Engineering Society ☐ Aquaculture Association of Canada ☐ Aquaculture Without Frontiers ☐ Asian Fisheries Society	 □ National Aquaculture Association □ National Association of State Aquaculture Coordinators □ Sociedad Brasiliera de Acuicultura □ Society of Aquaculture Professionals
☐ Catfish Farmers of America ☐ China Society of Fisheries ☐ Egyptian Aquaculture Society	☐ South African Aquaculture Society☐ Spanish Aquaculture Association
☐ Egyptian Aquaculture Society ☐ European Aquaculture Society ☐ Fish Culture Section - AFS ☐ Florida Aquaculture Association	 □ Striped Bass Growers Association □ US Marine Shrimp Association □ US Chapter of WAS (USAS) □ US Trout Farmers Association
☐ Global Aquaculture Association ☐ Global Aquaculture Alliance ☐ Indonesian Aquaculture Society ☐ Korean Aquaculture Society	☐ World Aquaculture Society ☐ World Aquatic Veterinary Medical Association
MEMBERSHIP APPLICATIONS • NEW APPL	LICATION RENEWAL
NATIONAL AQUACULT	TURE ASSOCIATION (NAA)
	ps and options, please contact the NAA home office at:
Tel: +1-304-728-2167 Fax: +1-30	4-728-2196 Email: naa@frontiernet.net
Individual Memberships: Individuals, growers, partners and who derive a portion of their income from aquacul members for three-year terms.	ships and corporations who engage in the practice of lture. Individual members nominate and elect four board
Individual: \$250	Silver: \$1,000 to \$2,499
Gold: \$2,500 to \$4,999	Platinum: \$5,000 and above
For membership information on State Associations and Web: www.nationalaquaculture.org	
	Amount for NAA Membership USD
Fees for memberships are non-refundable. Please enter t	this amount under "Membership Dues" section on opposite side of this form.
WORLD AQUACULTURE SOCIET	Y (WAS) APPLICATION www.was.org
For details on the different types of membershi	ips and options, please contact the WAS home office at 225-578-3493
MEMBERSHIP CATEGORY: (Indicate only one)	CHAPTER OPTIONS: (Must have active
Individual (Electronic JWAS) (USD 60/yr) Applies to an individual only	membership in one of the categories at left)
Individual (Printed JWAS) (USD 80/yr) Applies to an individual only	Asian Pacific (USD 5)
■ Student (Electronic JWAS) (USD 40/yr) (Copy of Student ID or Signature o ■ Student (Printed JWAS) (USD 60/yr) (Copy of Student ID or Signature of Printed JWAS)	
□ Sustaining (Electronic JWAS) (USD 100/yr) Applies to any one individual fro	
Sustaining (Printed JWAS) (USD 120/yr) Applies to any one individual from a	
 □ Corporate (Electronic JWAS) (USD 250/yr) Allows <u>all</u> employees of <u>one</u> com □ Corporate (Printed JWAS) (USD 270/yr) Allows <u>all</u> employees of <u>one</u> compan 	
☐ Lifetime (Electronic JWAS only) (USD 1000/yr) Applies to an individual only	
Fees for memberships are non-refundable.	Total Amount for WAS Membership USD Please enter this amount under "Membership Dues" section on opposite side of this form.

MANY OPPORTUNITIES FOR FARM TOURS

On Thursday, Feb. 19, an all day tour will combine visits to Manchester Laboratory and Taylor Shellfish – departing at 8:00 am. Please check website for more details. Cost is \$85.00/person.

TRAVEL

Special car rental fares have been arranged with AVIS. you can make reservations at 800-331-1600 or +1-918-624-4338 and mention the special discount code #J770126.

Special airfares are available. For the best airfares, contact:

Flight Coordinators for details at:

Tel: 1-800-544-3644 or +1-310-581-5600

Fax: +1-310-581-5620 Email: globaltc@gte.net

HOTELS

We have arranged some great hotels at very good rates!

Sheraton Seattle Hotel (next to Convention Center)

1400 Sixth Avenue, Seattle, WA 98101 Rate: \$156 Single/Double Tel: 1-888-627-7056 or +1-206-621-9000 Fax: +1-206-621-8441

Email: sheraton.seattle@sheraton.com Website: www.sheraton.com/seattle

Reservation Site: http://www.starwoodmeeting.com/StarGroupsWeb/

booking/reservation?id=0804255739&key=4867B

Grand Hyatt Seattle (next to Convention Center)

721 Pine Street, Seattle, WA 98101 Rate: \$155 Single/Double Tel: 1-800-233-1234 or +1-206-774-6298 Fax:+1- 206-774-6311

website http://grandseattle.hyatt.com

Reservation Code: G-WAQS

Executive Hotel Pacific (2 blocks to Convention Center)

400 Spring St., Seattle, WA 98104 Rate: \$109 Single/Double Tel: 1-888-388-3932 or +1-206-623-3900 Fax: +1-206- 623-2059

Email: resehp@executivehotels.net
Website: www.executivehotels.net/Seattle

Reservation Code: AQUA

Days Inn Town Center (7 blocks to Convention Center) 2205 Seventh Ave., Seattle, WA 98101 Rate: \$95 Single/Double

Tel: 1-800-329-7466 (reservation line) +1-206-448-3434

Fax: +1-206-443-3760

Email: corry.derooze@starwoodhotels.com

Website: Days Inn

Reservation Code: CGAQU

Sixth Avenue Inn (5 blocks to Convention Center)

2000 Sixth Avenue, Seattle, WA 98101 Rate: \$99 Single/Double Tel: 1-888-627-8290 (reservation line) Hotel: +1-206-441-8300

Fax: +1-206 443 3760

Email: corry.derooze@starwoodhotels.com

Website: http://www.starwoodmeeting.com/StarGroupsWeb/

booking/reservation?id=0804225483&key=239DF Reservation Code: Ask for the World Aquaculture rate



Stay in touch with the program developments for

AQUACULTURE AMERICA 2009

www.was.org



TENTATIVE SCHEDULE

Sunday, February 15

Registration Open	11:00am - 5:30pm
Exhibitor Move-in	11:00am - 6:00pm
Poster Set-up	1:00pm - 5:30pm

Monday, February 16

Registration Open	7:30am - 5:00pm
Plenary Session	8:30am - 10:00am
Exhibitor Move-in	8:00am - 10:00am
Poster Set-up	8:00am - 10:00am
Refreshment Break	10:00am - 11:00am
Trade Show & Posters Open	10:00am - 6:00pm
Sessions	11:00am - 4:30pm
Lunch (on your own)	12:30pm - 1:30pm
Happy Hour	4:30pm - 6:00pm
Presidents Reception	6:30pm - 9:30pm

Tuesday, February 17

-	
Registration Open	7:30am - 5:00pm
Sessions	8:30am - 10:00pm
Refreshment Break	10:00am - 10:30am
Sessions	10:30pm - 5:00pm
Trade Show	10:00am - 6:00pm
Lunch (on your own)	12:30pm - 1:30pm
Poster Session	4:30pm - 6:00pm
Happy Hour	5:00pm - 6:00pm
NAA Auction	6:00pm - 8:00pm
Student Reception	7:30pm - 9:30pm

Wednesday, February 18

Registration Open	8:00am -	3:00pm
Sessions	8:30am -	5:30pm
Trade Show	10:00am -	3:30pm
Lunch (on your own)	12:30pm -	1:30pm
Closing Happy Hour	5:30pm -	6:30pm

