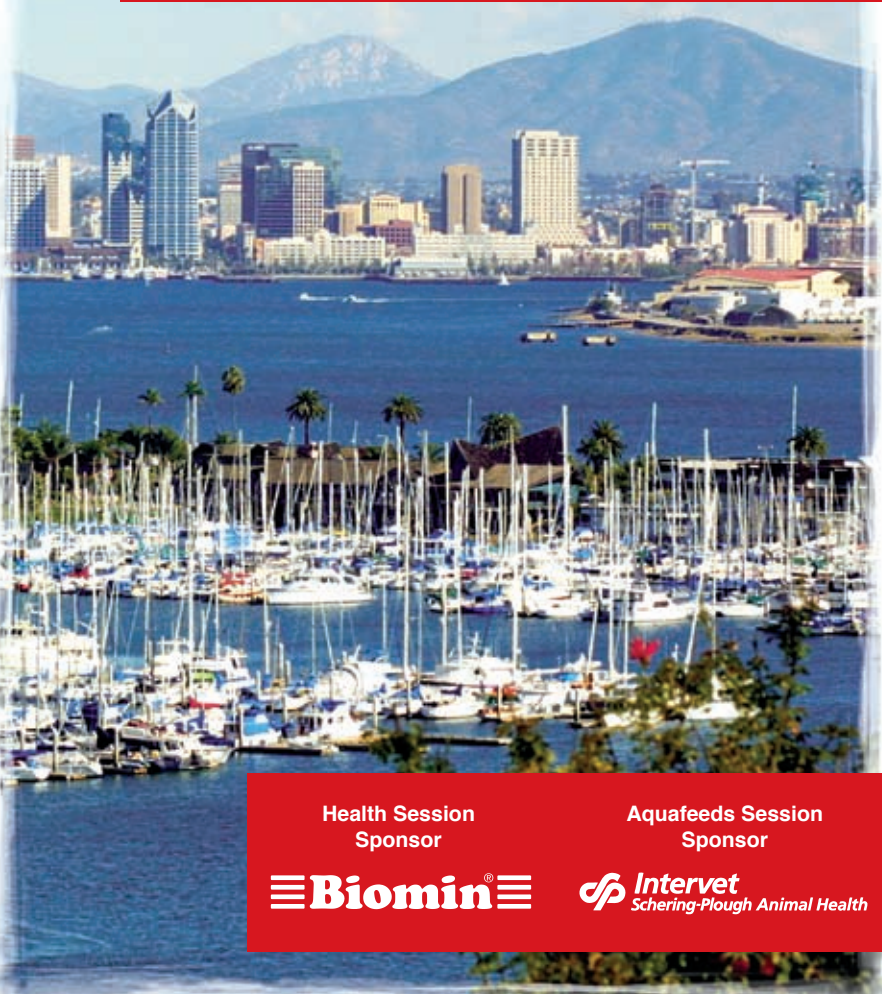


# AQUACULTURE 2010

**March 1-5, 2010**  
**Town & Country Resort and Conference Center**  
**San Diego, California**



*presented by ...*



**National Shellfisheries Association**



**American Fisheries Society  
 Fish Culture Section**

**WORLD AQUACULTURE Society**

**Health Session Sponsor**  
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**NATIONAL Aquaculture ASSOCIATION**  


**USASA**  




**Associate Sponsors**

American Tilapia Association  
 American Veterinary Medical Association  
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 International Association of Aquaculture Economics and Management

Latin American Chapter WAS  
 Striped Bass Growers Association  
 US Marine Shrimp Farming Association  
 US Trout Farmers Association  
 Zebrafish Husbandry Association

In Cooperation with: California Aquaculture Association



## **AQUACULTURE 2010**

### **The Triennial is only every three years!**

Every three years, the Triennial is held somewhere in the United States. In 2010, the Triennial returns to beautiful San Diego – one of America's favorite cities.

### **THE TRIENNIAL IS THE LARGEST AQUACULTURE MEETING IN THE WORLD!**

The Triennial is the largest aquaculture conference and tradeshow held in the world with nearly 4000 attendees from over 80 countries and even more countries are expected to have attendees at AQUACULTURE 2010. The Triennial combines the annual meetings of the **National Shellfisheries Association, Fish Culture Section of the American Fisheries Society** and the **World Aquaculture Society**. In addition to the annual meetings of the main sponsors, look what else is happening at AQUACULTURE 2010!

- AQUACULTURE AMERICA - Annual Meeting of the U.S. Chapter of World Aquaculture Society, the National Aquaculture Association, and the U.S. Aquaculture Suppliers Association.
- Annual Meeting of the American Tilapia Association
- Annual Meeting of the Striped Bass Growers Association
- Annual Meeting of the U.S. Trout Farmers Association
- Special sessions organized by Aquacultural Engineering Society and International Association of Aquaculture Economics and Management
- Many other meetings of work groups, government agencies and related aquaculture activities
- Program with technical sessions and producer's seminars covering virtually all species grown by aquaculture
- AND - look at all of the Associate Sponsors on the cover who are participating in the program development!

The last Triennial was held in 2007 in San Antonio where it was pronounced a huge success by the nearly 4000 people who attended. Don't miss this Triennial!

### **SAN DIEGO – GAS LAMP DISTRICT, OLD TOWN, BEACHES, SEA WORLD, LEGOLAND, AND MORE!**

AQUACULTURE 2010 is the place to learn about the latest in aquaculture, see the newest technology in the trade show and have a great time in the many fantastic restaurants, and entertainment sites in San Diego – one of the top rated tourist destinations in the world!!! And, at the Town & Country Resort, there is a trolley that connects you to the downtown attractions and more!

### **A CRITICAL TRADE SHOW FOR AQUACULTURISTS!**

AQUACULTURE 2010 will have the largest aquaculture trade show in the Western Hemisphere and one of the largest anywhere in the world with over 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 2010 is the place to do it!

### **YOUR FULL CONFERENCE REGISTRATION INCLUDES:**

Only pre-registered attendees are guaranteed materials.

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

To qualify for the student rate, a copy of your student I.D. is required.

# TENTATIVE AQUACULTURE 2010 SESSIONS BY DAY

## Tuesday, March 2

Opening & Plenary	8:30 - 10:00
Ecolabelling	11:00 - 2:00
Olympia Oyster	11:00 - 3:00
Genetics / Genomics	11:00 - 3:00
Improving Shellfish Aquaculture Production	11:00 - 3:00
Freshwater Mussel Propagation and Restoration	11:00 - 3:00
Shrimp Health-Biosecurity Contributed	11:00 - 3:00
Sea Urchins	11:00 - 5:30
Multitrophic Aquaculture	11:00 - 5:30
Advances in Larviculture	11:00 - 5:30
Catfish	11:00 - 5:30
Aquatic Germplasm	11:00 - 5:30
Lipids in Aquaculture Nutrition and Physiology	11:00 - 5:30
Industry Sessions	11:00 - 5:30
Zebrafish	11:00 - 5:30
Federal Town Hall	1:30 - 5:30
Aquaculture for the Rural Poor	2:00 - 5:30
Down and Dirty with the Hobbyist and Small-Scale Shellfish Farmer	3:30 - 5:30
New Shellfish Species for Culture	3:30 - 5:30
Vibrios	3:30 - 5:30
Flatfish	3:30 - 5:30
US Marine Shrimp Farming Program	3:30 - 5:30

## Wednesday, March 3

JSA Sc&Tech Strategic Plan	8:30 - 10:00
Shellfish Safety and Water Quality	8:30 - 10:00
Macrobrachium Contributed	8:30 - 10:00
Acidification & Shellfish	8:30 - 12:00
Aquaculture 101	8:30 - 12:00
Geoducks	8:30 - 4:30
Offshore Aquaculture	8:30 - 4:30
Physiological Insights Towards Improving Fish Culture II	8:30 - 4:30
Stock Enhancement	8:30 - 4:30
Zebrafish-continued	8:30 - 4:30
Alternatives to Fish Meal	8:30 - 4:30
CRSP	8:30 - 4:30
Industry Session 2	8:30 - 4:30
15 Years of Aquaculture Drug Approval Successes	8:30 - 4:30
Finfish Genetics Contributed	10:30 - 4:30
Engineering Contributed	10:30 - 4:30
Shrimp Nutrition Contributed	10:30 - 4:30
SBGA Industry Update Session	10:30 - 4:30
Meeting Production Goals with Limited Resources	1:30 - 4:30
USTFA Industry Update Session	1:30 - 4:30

## Thursday, March 4

After the Degree	8:30 - 10:00
Who Assures the Safety of our Seafood Supply?	8:30 - 10:00
Yes We Can - Sustainable Aquaculture for America	8:30 - 10:00
Crustacean Diseases	8:30 - 12:00
Abalone	8:30 - 12:00
Shrimp Breeding, Genetics, Genomics	8:30 - 12:00
Power of Effectively Developing and Managing your Brand	8:30 - 12:00
Alternatives to Fishmeal - continued	8:30 - 12:00
Fish Transportation	8:30 - 3:00
Industry Session 3	8:30 - 3:00
Mollusc Diseases and Defenses	8:30 - 5:30
Baitfish	8:30 - 5:30
Advances in Broodstock Management	8:30 - 5:30
California Aquaculture Association (CAA) Special Session	8:30 - 5:30
Physiological Insights Towards Improving Fish Culture II-continued	8:30 - 5:30
Ornamentals Contributed	11:00 - 3:00
Non-Traditional Aquaculture	11:00 - 5:30
Water Quality - Non Shrimp Contributed	11:00 - 5:30
Science Consortium for Ocean Replenishment (SCORE) Workshop	11:30 - 5:30
Policy & Regulation Contributed	1:30 - 3:00
Aquaculture Industry's Role in Shaping Public Perception	1:30 - 3:00
Therapeutic Drug Research	1:30 - 5:30
Pompano	1:30 - 5:30
Professional Development Session on NAA's Recent Outreach Brochure and Associated Topics	1:30 - 3:00
Cultivation and Stock Enhancement of Crabs and Lobsters	3:30 - 5:30
Best Management Practices	3:30 - 5:30
Life Cycle Analysis	3:30 - 5:30
Extension & Education Contributed	3:30 - 5:30

## Friday, March 5

Shellfish Stock Enhancement	8:30 - 12:00
Market Efficiency: Implications for Global Competitiveness	8:30 - 12:00
The Role of Biotechnology in Sustainable Aquaculture	8:30 - 12:00
Changes in State and Federal Fish Health Regulations	8:30 - 12:00
Non-traditional Aquaculture-continued	8:30 - 12:00
Feed Additives for Health	8:30 - 3:00
Shellfish Contributed	8:30 - 3:00
Primary Productivity and Bivalve Aquaculture	8:30 - 5:30
Quagga Mussels in the Western United States	8:30 - 5:30
Progress in Marine Recirculating Aquaculture Systems	8:30 - 5:30
Tuna Culture	8:30 - 5:30
Tilapia Research and ATA Update	8:30 - 5:30
Parasites and Fish Health	8:30 - 5:30
Freshwater Finfish Contributed	8:30 - 5:30
Shrimp Production Systems & Water Quality Contributed	8:30 - 5:30
Recent Experiences In Market Development for New Culture Candidate Species	1:30 - 5:30
Production of Oil Products from Algae	1:30 - 5:30
The Culture of Imperiled Species and the Role of Conservation Hatcheries	1:30 - 5:30
Marine Finfish Contributed	1:30 - 5:30
Women in Aquaculture	1:30 - 5:30
Iranian Aquaculture Contributed	3:30 - 5:30

FOR MORE INFORMATION

## AQUACULTURE 2010

Conference Management Office

P.O. Box 2302

Valley Center, CA 92082 USA

Questions: Tel: +1-760-751-5005 Fax: +1-760-751-5003

**REGISTER EARLY AND \$AVE!**



# AQUACULTURE 2010 PROGRAM GRID (Tentative)

Tue Mar 2		Town & Country Room - 1100		Tue Mar 2	
8:30 - 10:00	10:00			8:30 - 10:00	10:00
11:00 - 12:00	Advances in Larviculture	Shellfish Genetics & Genomics		11:00 - 12:00	
1:30 - 3:00			Federal Tom Hall	1:30 - 3:00	
3:30 - 5:30				3:30 - 5:30	
5:30 - 6:30	Happy Hours and Posters			5:30 - 6:30	
7:00 - 10:00	Student Reception			7:00 - 10:00	
Wed Mar 3		8:30 - 10:00		Wed Mar 3	
10:00	Aquaculture 101	15 Years of Aquaculture Drug Approval Successes	Macrobenthos Contributed	10:00	
12:00				10:30 - 12:00	
1:30 - 4:30	Meeting Production Goals			1:30 - 4:30	
4:30 - 5:30	Posters & Happy Hour			4:30 - 5:30	
5:30 - 7:30	NAAAuction			5:30 - 7:30	
Thu Mar 4		8:30 - 10:00		Thu Mar 4	
10:00	Advances in Sustainable Aquaculture Management	Yes We Can - Sustainable Aquaculture	Effectively Developing and Managing your Brand	10:00	
11:00 - 12:00				11:00 - 12:00	
1:30 - 3:00				1:30 - 3:00	
3:30 - 5:30				3:30 - 5:30	
7:00 - 10:00	Presidents Reception			7:00 - 10:00	
Fri Mar 5		8:30 - 10:00		Fri Mar 5	
10:00	Non-Traditional Aquaculture Continued	Chances State and Federal Fish Health Regulations	Shellfish Contributed	10:00	
12:00				10:30 - 12:00	
1:30 - 3:00				1:30 - 3:00	
3:30 - 5:30				3:30 - 5:30	
5:30 - 6:30	Ceiling Cocktail			5:30 - 6:30	

## PLENARY SPEAKER Peter Redmond

### The Importance of Certification



Peter Redmond is the former Vice President and Divisional Manager of the Wal-Mart Deli and Seafood Division. He worked for Wal-Mart for 17 years, serving in a variety of roles and capacities, including store operations, international assignments, and senior seafood buyer. During this time, Mr. Redmond developed Wal-Mart's seafood strategy for environmental sustainability, a program well-known throughout the seafood industry and related NGO groups.

Mr. Redmond was born in Ireland and raised in the United Kingdom. He immigrated to the United States in 1987 after serving three years in the British Army ... with only a few dollars to his name. Peter graduated from the University of Arkansas in 1991 and began his 17-year career with Wal-Mart, Inc. In 2008 Mr. Redmond left Wal-Mart and formed his own company, Epiphany Group LLC, a company that focuses on consulting for the deli and seafood industry on both environmental and business solutions. Since this time Mr. Redmond has worked with some of the largest retailers in the world, both nationally and internationally, along with a plethora of manufacturers and NGOs. In May, 2009, Mr. Redmond accepted the position of Vice President of Development and Communications for the Global Aquaculture Alliance (GAA).

Mr. Redmond is a proud father of a 12-year old daughter, Paige, and a 14-year old son, Hayden. He makes his home in Springdale, Arkansas.



# ATTENDEE REGISTRATION FORM

# AQUACULTURE 2010

**March 1-5, 2010 • San Diego, California**

**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](http://www.was.org) OR fax or mail both sides with payment. Use one form per person.**

**PLEASE PRINT CLEARLY OR TYPE**

**NAME BADGE INFORMATION:** (As you want your name badge to read – No titles, please)

First Name \_\_\_\_\_ SURNAME (FAMILY NAME) \_\_\_\_\_

Company / Institution \_\_\_\_\_  
(Limited to 40 Letters & Spaces)

Country \_\_\_\_\_

**MAILING INFORMATION:** Email \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State / Prov \_\_\_\_\_ Postal Code \_\_\_\_\_ Country \_\_\_\_\_

Tel \_\_\_\_\_ Fax \_\_\_\_\_ Title: (circle one) Dr. Mr. Ms. Mrs.  
(Include country and area code) (Include country and area code)

**REGISTRATION FEES:** In order to receive the discount rates as listed below, this form and payment must be received by the date listed. See 1st announcement for what is included in registration fees.

TYPE OF REGISTRATION <i>Check the appropriate boxes</i>	Register by January 25, 2010	Register by February 12, 2010	Register after February 12, 2010	
<b>ASSOCIATION MEMBER RATE*</b>	<input type="checkbox"/> US\$ 395	<input type="checkbox"/> US\$ 495	<input type="checkbox"/> US\$ 595	* To qualify for Member Rate you <u>must</u> complete the Association Memberships section on the reverse side. ● ● ● ● ● ● ● ● ● ● Trade Show is <u>included</u> in the Full Conference Registration Rate.  <b>TOTAL REGISTRATION FEE</b> <b>US\$</b> _____
<b>STUDENT MEMBER RATE*</b> <small>Include copy of Student I.D.</small>	<input type="checkbox"/> US\$ 195	<input type="checkbox"/> US\$ 195	<input type="checkbox"/> US\$ 255	
<b>Non-Member Rate</b>	<input type="checkbox"/> US\$ 490	<input type="checkbox"/> US\$ 590	<input type="checkbox"/> US\$ 690	
<b>Student Non-Member Rate</b> <small>Include copy of Student I.D. You can join WAS on the reverse side and use the Member Rate.</small>	<input type="checkbox"/> US\$ 250	<input type="checkbox"/> US\$ 250	<input type="checkbox"/> US\$ 315	
<input type="checkbox"/> <b>Spouse Rate</b> Name _____	<input type="checkbox"/> US\$ 295	<input type="checkbox"/> US\$ 390	<input type="checkbox"/> US\$ 455	
<b>TRADE SHOW PASS</b> – Good for 3 days admission to exhibits only – March 1-5 <small>(Trade show pass is included with the Full Conference Registration)</small>				<input type="checkbox"/> US\$ 50 <b>TOTAL TRADE SHOW PASS</b> US\$ _____
<b>INDUSTRY TOURS</b> – <input type="checkbox"/> Tour #1 US\$ 75 <input type="checkbox"/> Tour #3 US\$ 125 <input type="checkbox"/> Tour #5 US\$ 50 <input type="checkbox"/> Tour #2 US\$ 120 <input type="checkbox"/> Tour #4 US\$ 75				<b>TOTAL TOURS DUE</b> US\$ _____
<b>MEMBERSHIP DUES</b> – Enter amount from Membership Application on other side if applicable.				<b>TOTAL MEMBERSHIP DUES</b> US\$ _____
<b>Do not mail registration after Feb. 1, 2010 or fax after Feb. 10, 2010.</b> <b>After those dates, bring this form with you to register at the show.</b>			<b>➔ TOTAL AMOUNT US\$</b> _____	

**Registration Confirmation and Receipt will be emailed after processing.**

**CANCELLATION POLICY:** Cancellation of registration must be received - in writing - no later than February 20, 2010. Refunds for registration fees will be subject to a 20% handling fee. Refunds are processed after the conference. No refund will be made for cancellations received after February 20, 2010 or for "no shows". After February 20, 2010, no refunds will be made for professional or personal emergencies, flight cancellations, denied visa, weather related cancellation or other travel emergencies. Fees for memberships are non-refundable.

**PAYMENT METHOD:** All fees must be paid to the order of **AQUACULTURE 2010**.

Check # \_\_\_\_\_  Visa  Mastercard  American Express

Card # \_\_\_\_\_ Expiration Date \_\_\_\_\_

Name on Card \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

For bank transfer details, contact us.

# REGISTRATION FORM - SIDE 2



Name \_\_\_\_\_

**ASSOCIATION MEMBERSHIPS:** Please check all boxes for associations for which you are a current member. Membership in any of those associations qualifies you for the Member Rate\* on the Registration Fees. You can join an association at any time before registering to qualify for the Member Rate.

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> American Tilapia Association            | <input type="checkbox"/> Fish Culture Section - AFS  | <input type="checkbox"/> Sociedad Brasileira de Acuicultura           |
| <input type="checkbox"/> American Veterinary Medical Association | <input type="checkbox"/> Global Aquaculture Alliance                                       | <input type="checkbox"/> Society of Aquaculture Professionals         |
| <input type="checkbox"/> Aquacultural Engineering Society        | <input type="checkbox"/> Indonesian Aquaculture Society                                    | <input type="checkbox"/> South African Aquaculture Society            |
| <input type="checkbox"/> Aquaculture Association of Canada       | <input type="checkbox"/> International Association of Aquaculture Economics and Management | <input type="checkbox"/> Spanish Aquaculture Association              |
| <input type="checkbox"/> Aquaculture Without Frontiers           | <input type="checkbox"/> Korean Aquaculture Society  | <input type="checkbox"/> Striped Bass Growers Association             |
| <input type="checkbox"/> Asian Fisheries Society                 | <input type="checkbox"/> Latin American & Caribbean Chapter WAS                            | <input type="checkbox"/> US Marine Shrimp Farming Association         |
| <input type="checkbox"/> California Aquaculture Association      | <input type="checkbox"/> Malaysian Fisheries Society                                       | <input type="checkbox"/> US Chapter of WAS (USAS)                     |
| <input type="checkbox"/> Catfish Farmers of America              | <input type="checkbox"/> National Aquaculture Association                                  | <input type="checkbox"/> US Trout Farmers Association                 |
| <input type="checkbox"/> China Society of Fisheries              | <input type="checkbox"/> National Aquaculture Council                                      | <input type="checkbox"/> World Aquaculture Society                    |
| <input type="checkbox"/> Egyptian Aquaculture Society            | <input type="checkbox"/> National Shellfisheries Association                               | <input type="checkbox"/> World Aquatic Veterinary Medical Association |
| <input type="checkbox"/> European Aquaculture Society            |  | <input type="checkbox"/> Zebrafish Husbandry Association              |

## MEMBERSHIP APPLICATIONS

- NEW APPLICATION     RENEWAL

### NATIONAL SHELLFISHERIES ASSOCIATION

For details on the different types of memberships and options please call the NSA office at:

Web: [www.shellfish.org](http://www.shellfish.org)

**MEMBERSHIP CATEGORY: (Indicate only one)**

- Regular** (USD 85/yr)       **Student** (USD 45/yr)

\_\_\_\_\_  
*Signature of Professor or copy of Student ID required*

**Total Amount for NSA Membership**    **USD** \_\_\_\_\_

*Includes subscription to the **Journal of Shellfish Research***

*Please enter this amount under "Membership Dues" section on opposite side of this form.*

### FISH CULTURE SECTION OF AMERICAN FISHERIES SOCIETY

- FCS Membership for Current AFS members** \$2.00       **Affiliate FCS membership for non-AFS members** \$12.00

Send Membership dues to: **Donna Muhm**  
122 252nd Avenue • Spirit Lake, IA 51360

Ph.: (712) 336-1520 • Fax: (712) 336-1075 • Email: [donna.muham@dnr.iowa.gov](mailto:donna.muham@dnr.iowa.gov)

### WORLD AQUACULTURE SOCIETY (WAS) APPLICATION    [www.was.org](http://www.was.org)

For details on the different types of memberships and options, please contact the WAS home office at

Tel: +1-225-578-3137    Fax: +1-225-578-3493    Email: [judya@was.org](mailto:judya@was.org)

**MEMBERSHIP CATEGORY: (Indicate only one)**

- Individual** (Electronic JWAS) (USD 65/yr) Applies to an individual only
- Individual** (Printed JWAS) (USD 85/yr) Applies to an individual only
- Student** (Electronic JWAS) (USD 45/yr) (Copy of Student ID or Signature of Professor required)
- Student** (Printed JWAS) (USD 65/yr) (Copy of Student ID or Signature of Professor required)
- Sustaining** (Electronic JWAS) (USD 105/yr) Applies to any one individual from a company
- Sustaining** (Printed JWAS) (USD 125/yr) Applies to any one individual from a company
- Corporate** (Electronic JWAS) (USD 255/yr) Allows all employees of one company to attend meeting at Member Rate
- Corporate** (Printed JWAS) (USD 275/yr) Allows all employees of one company to attend meeting at Member Rate
- Lifetime** (Electronic JWAS only) (USD 1005/yr) Applies to an individual only
- E membership** (USD 15/yr) Full access to the WAS website and Member's Area.  
Printed publications not included. Cannot have been a regular member in the last five years.

**CHAPTER OPTIONS:**

*(Must have active membership in one of the categories at left)*  
Please mark the Chapter you choose that is included in your dues above. You can join more chapters by adding USD 5 per extra chapter. If you mark none, you can deduct USD 5.

- Asian Pacific** (USD 5)
- Japan** (USD 5)
- Korea** (USD 5)
- Latin American/Caribbean** (USD 5)
- United States (USAS)** (USD 5)
- None**

**Total Amount for WAS Membership**    **USD** \_\_\_\_\_

*Fees for memberships are non-refundable.*

*Please enter this amount under "Membership Dues" section on opposite side of this form.*

### NATIONAL AQUACULTURE ASSOCIATION (NAA)

For details on the different types of memberships and options, please contact the NAA home office at:

Tel: +1-870-850-7900    Fax: +1-870.850.7902    Email: [naa@thenaa.net](mailto:naa@thenaa.net)    Web: [www.thenaa.net](http://www.thenaa.net)

*For membership in other associations, please contact them directly.  
If you need a phone number, contact the Conference Manager (+1-760-751-5005).*

## **MANY OPPORTUNITIES FOR FARM TOURS**

### **TOUR 1: Imperial Valley Aquaculture Tour - March 1 \$75.00 per person**

California's Imperial Valley has a reputation for being hot and dry. It is also a rich source of state-of-the-art aquaculture. Join us for an eye-opening tour that will demonstrate production of everything from algae for biofuel to catfish to grass carp. Our tour will include visits to four production facilities, as well as a picnic lunch and dinner at the Acorn Casino. Tour price includes transportation, picnic lunch, and admission to all facilities.

### **TOUR 2: Pub Crawl - March 5 - \$120.00 per person**

Experience San Diego's best nightlife like a rockstar. This guided "Pub Crawl" takes you to the city's hottest spots in limo comfort. Tour cost includes all cover charges, limo transport, and our special surprise party package.

### **TOUR 3: Tuna Farm Tour - March 6 - \$125.00 per person**

Participants will depart from San Diego for a 20 mile boat ride (approximately one hour) to the Coronado Islands, just across the U.S./Mexico border, 8 miles off the northwestern coast of Baja California, the northernmost part of Mexico. Baja Aquafarms, one of Mexico's largest bluefin tuna farming companies, operates a commercial scale tuna grow-out facility off the largest island, South Coronado. Participants will view feeding of the tuna in large surface cages as well as other daily farm operations, and a boat guided tour of the other islands in the Coronado Islands complex. This is a 3/4 day trip with lunch provided and transportation to and from the hotel. Passports required.

### **TOUR 4: Leon Raymond, Jr., Marine Fish Hatchery and Carlsbad Aquafarm Tour - March 1 - \$75.00 per person**

Visit the Leon Raymond, Jr., Marine Fish Hatchery located in Carlsbad, California on a special behind the scenes tour. This unique Hubbs-SeaWorld Research Institute facility built in 1995 is the home base for the white seabass stock enhancement program. Tour participants will see all aspects of this working marine fish hatchery including broodstock holding, early larval rearing, and juvenile production systems, as well as tagging operations.

Carlsbad Aquafarm is located just north of the Encina power station in Carlsbad California. Carlsbad Aquafarm cultures a diverse range of sustainable seafood and ornamental products. Aquaculture has been taking place at our location for over 50 years, and for the last 20 years, the Aquafarm has been owned and operated by John Davis. A tour of Carlsbad Aquafarm is a unique experience. On the tour, you will get to see the aquafarming of our diverse product range, including: Carlsbad Mussel, Luna and Blonde Oysters, Rainbow Abalone, Red Ogo, Ulva "Sea Lettuce", Chaetomorpha, copepods, brine shrimp, phytoplankton, and seahorses.

### **TOUR 5: SeaWorld San Diego Tour - March 1 - \$50.00 per person**

SeaWorld San Diego's marine mammal water system can be described as semi-open. Natural sea water is pumped from Mission Bay, filtered, disinfected, and distributed to the marine mammal facilities for "make up" to replace water loss due to evaporation, animal splashing, and pool skimming. The treated water is circulated and refiltered in each of the mammal life support systems.

Facility systems vary in size from 100 gallons to 6.7 million gallons. All systems have sand filtration and some type of a disinfection process. Turnover rates vary depending on what is being housed in any particular system. Currently SWSD maintains 150 sand filters treating 13 million gallons of water. Backwash water from the sand filters is recovered and returned to the system of origin. Prior to discharge back into Mission Bay, all water leaving SWSD systems travel to one of two wastewater treatment plants.

Our marine mammal habitats and life support systems are designed to meet the physical and behavioral needs of the animals housed therein. The pool water is heated and chilled as needed. Outdoor facilities are designed to allow the proper amount of sun and shade required for each species housed.

## **HOTELS**

We have arranged a block of rooms with very special rates at The Town & Country Resort and Conference Center. You will not have to drive or take transportation because the meeting and trade show are right at the Town & Country. Please call the hotel directly to make your reservation and mention AQUACULTURE 2010

Reservations Department

Tel: 1-800-772-8527 or +1-619-291-7131

Fax: +1-619-294-4681

Web: [https://resweb.passkey.com/Resweb.do?mode=welcome\\_ei\\_new&eventID=937324](https://resweb.passkey.com/Resweb.do?mode=welcome_ei_new&eventID=937324)

## **TRAVEL**

Special car rental fares also 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 travel within the U.S. to San Diego.

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](mailto:globaltc@gte.net)

Stay in touch with the program developments for  
**AQUACULTURE 2010**

through our Web Page at:

[www.was.org](http://www.was.org)

[www.fishculturesection.org](http://www.fishculturesection.org)

[www.shellfish.org](http://www.shellfish.org)





## TENTATIVE SCHEDULE

### Monday, March 1

Registration Open & Exhibit Set-up.....	10:00 – 7:00
Welcome Reception .....	6:00 – 8:00

### Tuesday, March 2

Registration Open .....	7:30 – 5:00
Opening Ceremonies & Plenary Session .....	8:30 – 10:00
Refreshment Break .....	10:00 – 11:00
Sessions.....	11:00 – 12:00
Trade Show Open.....	10:00 – 6:00
Lunch (on your own).....	12:00 – 1:30
Sessions.....	1:30 – 3:00
Refreshment Break .....	3:00 – 3:30
Sessions.....	3:30 – 5:30
Happy Hour & Posters .....	5:30 – 6:30
Student Meeting .....	6:30 – 7:00
NSA/Student Reception .....	7:30 – 10:30

### Wednesday, March 3

Registration Open .....	7:30 – 5:00
Sessions.....	8:30 – 10:00
Trade Show Open.....	10:00 – 5:30
Refreshment Break .....	10:00 – 10:30
Sessions.....	10:30 – 12:00
Lunch (on your own).....	12:00 – 1:30
Sessions.....	1:30 – 4:30
Happy Hour & Posters .....	4:30 – 5:30
NAA Auction .....	5:30 – 7:30
Aquaculture without Frontiers Dinner.....	7:30 – 9:30

### Thursday, March 4

Registration Open .....	7:30 – 5:00
Sessions.....	8:30 – 10:00
Trade Show Open.....	10:00 – 3:30
Refreshment Break .....	10:00 – 11:00
Sessions.....	11:00 – 12:00
Lunch (on your own).....	12:00 – 1:30
Sessions.....	1:30 – 3:00
Refreshment Break .....	3:00 – 3:30
Sessions.....	3:30 – 5:30
Exhibit Move-out.....	3:30 – 7:00
President's Reception.....	6:30 – 8:30

### Friday, March 5

Registration Open .....	8:00 – 5:00
Sessions.....	8:30 – 10:00
Refreshment Break .....	10:00 – 10:30
Sessions.....	10:30 – 12:00
Lunch (on your own).....	12:00 – 1:30
Sessions.....	1:30 – 3:00
Refreshment Break .....	3:00 – 3:30
Sessions.....	3:30 – 5:30
Closing Happy Hour.....	5:30 – 6:30