

DAA VIII - 2011 MANGALORE

The Eighth Symposium on Diseases in Asian Aquaculture will be held in Mangalore, India during 21-25 November 2011.

The symposium is being organized by the Fish Health Section of the Asian Fisheries Society and College of Fisheries, Karnataka Veterinary, Animal and Fisheries Sciences University, Mangalore. The theme of the symposium is “**Fish Health for Food Security**”. DAA VIII will be held at the majestic Dr. TMA Pai International Convention Centre, located in the heart of Mangalore city. The hall has been a much sought after venue for conferences, seminars and conventions. Additionally the choice of this venue is due to its proximity to several hotels, shopping malls, eateries and business centers.



In a series of scientific sessions across four days, internationally recognized keynote speakers will examine the current trends in aquatic disease in Asian and global aquaculture, disease loss, emerging diseases/area in health management, training and health related disease issues.

Conference website:
<http://www.daa8.org/index.html>

PUZZLE

The *Kenton* is a research ship, On board are the crew, scientists (either marine biologists or oceanographers) and technicians. More than half of the number on board are crew members. There are in total 56 people on board, including 7 women comprising: 4 crew members; one marine biologist and two technicians (The answer to each clue is a perfect square so a table of squares might be useful. This is a very old puzzle, predating the PC and the calculator. Try solving it without such aids!).

1.		2.			3.
				4.	
5.	6.				
				7.	8.
9.		10.	11.		
12.			13.		

ACROSS

1. Square of the number on board
4. Square of the number of oceanographers
5. Square of the number of oceanographers and technicians.
7. Total number of men on board
10. Total number of biologists and technicians
12. Square of number of biologists
13. Square of total number of scientists and technicians

DOWN

1. Number of miles ship steamed in first week.

2. Number of miles ship steamed in second week.
3. Square number of male technicians
4. Square number of scientists
6. Square number of women on board
8. 25 times the number in the crew
9. Number in the crew
11. Square number of technicians.

TRAINING OPPORTUNITY



The University of Arizona

2011 Shrimp Pathology Short Course: Disease Diagnosis and Control in Marine Shrimp Culture

This long-running short course will again be offered by The University of Arizona Department of Veterinary Science and Microbiology and in cooperation with the USDA Marine Shrimp Farming Program on **June 6 - 17, 2011**

Registration Information: Registration is limited to 30.

The program covers lectures and laboratory demonstrations with at least two lectures scheduled each day. The course covers topics on normal shrimp histology, viral diseases (White Spot Disease, baculovirus and baculo-like virus disease including MBV, BP and BMN, Infectious hypodermal and hematopoietic necrosis virus, hepatopancreatic virus and other parvovirus caused diseases, Taura syndrome, Infectious myonecrosis, Yellowhead and other RNA virus caused diseases, as well as bacterial, rickettsial, fungal diseases, and surface fouling diseases. Also covered are

nutritional diseases, toxic and environmental disease syndromes, diseases of unknown or uncertain etiologies, and parasitic diseases. Methods of disease prevention and/or treatment will be emphasized together with new diagnostic procedures. Two laboratory sessions per day will cover procedures for routine histology, standard histological techniques, normal histology and post-mortem change of principal organs and tissues, wet mount diagnostic procedures, PCR/RT-PCR and gene probes for diagnosis of viral diseases, antibody-based methods for diagnosis of viral and/or bacterial diseases, isolation, culture, identification and antibiotic sensitivity of bacterial isolates, and histopathology of viral, bacterial, rickettsial, fouling, parasitic, toxic and nutritional diseases.

For more information concerning application forms contact Rita Redman or Dr. Donald Lightner at The University of Arizona: office phone - (520) 621-4438; or e-mail: ritar@email.arizona.edu or dvl@email.arizona.edu.

Deposit and Early Registration

Deadline: \$100.00 (USD) by April 1, 2011.

Cost:

\$1,500.00 (USD) if the deposit is received on or before April 1, 2011.

\$2,000.00 (USD) if the deposit is received on or after April 2, 2011.

Note: The University of Arizona reserves the right to cancel the course if participant pre-enrollment is less than 10. All deposits will be refunded if the course is cancelled. Deposit will be refunded if participant's cancellation is received on or before May 15, 2011. After May 15, 2011, participant's deposit will not be refunded. No exceptions.

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Accommodations:

Both single and double rooms are available at the nearby Sheraton Four Points Hotel at \$65.00 (does not include taxes) per night for a single or double room. Dormitory rooms are available for approximately \$27.00 per night for a single room and \$46.00 per night (\$23.00 per person) for a double room. The 2011 rates have not been confirmed at this time.

International Travellers:

Due to more stringent U.S. entry requirements, **allow a minimum of 4-6 months for visa processing.**

QUALITY ASSURANCE

The OIE Reference Laboratory for Crustaceans based at the University of Arizona announces its upcoming **inter-laboratory calibration (Ring Test)** for detection of shrimp pathogens through the use of PCR/RT-PCR in the first week of February 2011. There will be no prescribed tests and each participating laboratory will employ the same PCR/RT-PCR procedures they routinely use on the analysis of clinical samples.

Each laboratory will be provided with a panel of 10 coded tissue samples fixed in 95% ethanol. Five of these samples will be for DNA extraction and the remaining 5 for RNA extraction. All of the following pathogens will be present in the panel: WSSV, IHNV, NHP, TSV, YHV, IMNV, and there will be also SPF tissue. No more than one of these pathogens will be present in each sample. Each laboratory will test only for those pathogens that they are set up to analyze.

The participation fee for this ring test is \$1,000.00 USD, which includes one panel of 10 samples, analysis and interpretation of the results, and

preparation of a final report, with recommendations when necessary.

Those interested to participate can send an inquiry to:

Dr. Carlos R. Pantoja
Associate Professor
Aquaculture Pathology Laboratory
The University of Arizona
Tucson, AZ, USA

cpantoja@u.arizona.edu

CONFERENCES

17-21 January 2011. WAS Asia-Pacific Aquaculture Conference (WAS-APC) will be held in Kochi (Cochin), India. The technical session dates for the WAS conference are 17-20 January.

Kochi, besides being a significant centre of Indian aquaculture, is a fascinating and beautiful tourist destination. A significant component of the **WAS-APC** event will be "**Giant prawn 2011**". GP2011 will be a landmark opportunity to review the status of freshwater prawn farming worldwide and discuss the future of this \$2 billion/year industry.

Further details from:
<http://www.apa2011.org/>

21-25 April 2011. 9th Asian Fisheries and Aquaculture Forum (9th AFAF), to be held in Shanghai.

The theme of the forthcoming forum is **Better Science, Better Fish, Better Life**. At the same time as the Forum, the 9th International Symposium of Tilapia Aquaculture (9th ISTA) and the 4th International Symposium on Stock Enhancement and Sea Ranching (4th ISSESR) will be organized as part of the 9th AFAF, an international feat in the field of Fisheries and

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Aquaculture which hopes to attract 1,500 participants from abroad.

Further details from http://www.9afaf.org/Congress_Invitation.html

19-24 June 2011. 9th international conference and workshop on lobster biology and management; Bergen, Norway:

This will be the largest international event for lobster research and management, and is held every four years. This conference is being organised by the Institute of Marine Research (IMR) Norway. As part of the conference there will be a session on diseases of lobsters.

The conference website is:

http://www.imr.no/om_havforskningsinstituttet/arrangementer/konferanser/icwl_bergen/en



Aquatic Animal Health Programmes
their benefits for global food security
(Panama), 28-30 June 2011

28-30 June 2011, Panama. For over 40 years the mandate of the OIE has included aquatic animals. Mindful of its role as one of the three reference standard-setting organisations of the World Trade Organization (WTO), the OIE constantly encourages Members to meet the obligations of OIE membership and to implement OIE standards in line with the WTO Agreement on the Application of Sanitary and Phytosanitary Standards (the SPS Agreement).

The capability of Veterinary Services and Aquatic Animal Health Services to implement these standards is essential to safeguard health and facilitate trade. However, with most aquaculture production originating in developing

countries, there is an ongoing need to build capacity to help support implementation of the international standards by all OIE Members.

The OIE proposes to hold a Global Conference on "Aquatic Animal Health Programmes: their benefits for global food security" in Panama on 28-30 June 2011. The OIE is grateful for the support of the Government of the Republic of Panama, notably MIDA (the Ministry of Agriculture Development); MINSA (the Ministry of Health), AUPSA (the Panama Food Safety Authority); ARAP (the Authority for Aquatic Resources); OIRSA (the International Organisation of the Americas for Agriculture Health) and OSPESCA (the Central American Fishing and Aquaculture Sector Organisation).

The conference will highlight the contribution of aquatic animal health programmes to improving productivity and consequently the availability of high quality protein and other food, particularly to people in developing countries. Issues relevant to the relationship between aquatic animal health, food safety, public health and related implications for environmental sustainability will also be discussed.

In addition to the presentation of up to date research findings, the conference will address the role and responsibilities of key players in the production chain, including producers, food processors, private veterinarians and aquatic animal health professionals, and their interactions with Aquatic Animal Health Services and, as appropriate, Veterinary Services.

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The Conference will feature presentations from speakers representing national Veterinary Services and other Competent Authorities (where responsibility for aquatic animal health is shared between authorities), international organizations, and aquatic animal health experts. In interactive sessions, participants will be invited to share their experiences and to identify future needs and priorities for the OIE to address.

The conference will take place over 2 1/2 days. It will include Ministerial Statements and keynote speakers on day 1; technical presentations on days 1, 2 and 3; and a panel discussion and the Conference Recommendations on day 3. Simultaneous interpretation in English/French/Spanish will be provided for all plenary sessions. Participants will be invited to submit peer-reviewed scientific posters.

The objectives of the conference are:

- to raise awareness of the requirements for effective aquatic animal health management, covering all matters under the OIE mandate,
- to highlight the contribution of aquatic animal health programmes to improving the productivity of the aquatic animal sector and thereby global food security;
- to raise awareness of OIE standards and recommendations on the use of veterinary products in aquatic animals;
- to identify practical steps to address any risks arising from aquatic animal production for food safety, public health and the environment

- to raise awareness of the need to improve the education of veterinarians and other aquatic animal health professions on aquatic animal health, including disease surveillance, control and reporting.
- to brainstorm on the challenges and the tools needed to reinforce good governance in the aquatic animal production sector; and
- to provide practical guidance on how OIE Members (particularly developing countries) can mobilise governments and donors with the goal of improving Veterinary Services and other Competent Authorities to meet the OIE standards for competent services and good governance.

The Conference will address the following topics:

- analysis of the global aquatic animal health situation
- roles and responsibilities of Aquatic Animal Health Services and Veterinary Services, including OIE national Delegates and focal points, in aquatic animal health management;
- roles and responsibilities of national and international laboratories for disease diagnosis and reporting and related scientific research;
- effective communication amongst all concerned sectors;
- understanding the OIE role and mandate and the relationships between authorities where there is a shared responsibility for aquatic animal health;

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- OIE Members' experiences in aquatic animal health management, including the challenges and priorities of developing countries;
- awareness of the OIE standards and recommendations for aquatic animals and practical advice on how to comply with the standards;
- requirements for aquatic animal feed and for the use of veterinary products in aquatic animals;
- the education of veterinarians and aquatic animal health professionals in the public and the private sector on their role and responsibilities;
- improvement of governance of Veterinary Services and Aquatic Animal Health Services using the OIE PVS pathway;
- future needs and priorities to support decision makers, international organisations and donors with the objective of strengthening the governance and management of the aquatic animal production sector especially as this relates to animal health, food safety at the production level, and relevant contributions to safeguarding the environment.

12-16th September 2011. 15th international Conference on diseases of fish and shellfish, Split, Croatia.

This conference hosted by the European Association of Fish Pathologists will be held at the Radisson Blu Hotel in Split, Croatia.

Scientific and technical sessions consisting of poster presentations, invited talks, keynotes, oral presentations, workshops and an EAFP General Assembly will take place during the Conference.

Feel free to **contact** Jose A. Garcia, as Meeting Secretary if you have any questions or need additional information:

Jose A. Garcia, EAFP Meeting Secretary, Dept. Sanidad Animal, Fac. Veterinaria, Universidad Complutense de Madrid, Avda. Puerta de Hierro s/n, 28040-Madrid (Spain).

Tel.: +34 913943845, Fax: +34 913943908.

E-mail: gcabrera@vet.ucm.es Conference website:

<http://eafp.org/split-2011-conference/2010/8/1/15th-international-conference-on-diseases-of-fish-and-shellf.html>

26- 30 September 2011. 8th International Symposium on Fish Parasites; Viña del Mar, Chile:

This symposium will be an important forum for the discussion and distribution of new findings in this rapidly expanding field. The theme of the conference is "Fish Parasitology: from Classical Taxonomy to Holistic Approach".

The organizers hope to develop an exciting scientific program that will provide an update in our field of research. They are sure that the diversity of themes in the dynamic field of fish parasitology will be the most favorable platform for strong and positive collaborations between fish parasitologists.

An intense program is scheduled to

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include preliminary talks, mini symposiums, and oral presentations. Poster sessions will be an important aspect of 8th ISFP. Competitive awards for students and postdoctoral scientists from developing countries will be offered. In addition, a diverse and enjoyable program of social activities will also be provided in order to showcase the best of Chilean traditions and culture.

See the conference website at: <http://www.8isfp.com/>.

(no date yet) 2014. 8th International Crustacean Congress (ICC8) will be held at the Senckenberg Museum, Frankfurt, Germany. Our objective will be to invite contributions from all areas of crustacean biology, and bring together a multidisciplinary scientific community from across the world.

Further details will be available as soon as the Organizing Committee has established a website.

ANSWER TO PUZZLE

3	1	3.	6		3.
6		2		1	6
1	4	4		4	
	9			4	9
3		1	6		0
6	4		4	0	0

FHS Enewsletter editor B. Jones
brian.jones@agric.wa.gov.au