



Electronic Newsletter

Fish Health Section/Asian Fisheries Society

Issue No. 2

November/December 2003

Sixth Symposium on Diseases in Asian Aquaculture (DAA VI)

NEW Mark your calendars. The **Sixth Symposium on Diseases in Asian Aquaculture (DAAVI)**, a major triennial scientific symposia organized by our society will be held in **Sri Lanka in 2005**. The venue was decided during DAAV.

Member Update

Congratulations to:

- Supraneer Chinabut, as Fish Disease Expert at Thai's DOF from October 2003.
- S Boonyaratpalin, as Director General of Thai's Department of Fisheries.

Warm welcome to the following new member of the FHS/AFS:

- **Mexico:** Ana Montero

Upcoming Events (with relevant sessions on aquatic animal health)

November 2003

Regional Workshop 'Current Situation and Market Perspectives for Aquaculture Products', El Pardo Hotel, Miraflores, Lima, Peru, 5-7 November 2003. An APEC FWG Project, this workshop will include discussions on environmental-friendly and disease-free issues such as "green aquaculture" and "health management in aquaculture". Organized by Peru's Vice-Ministry of Fisheries; further information, please contact Ms. Pilar Rodriguez at e-mail: prodriiguez@produce.gob.pe

Second Meeting of the Regional Advisory Group on Aquatic Animal Health, 10-12 November 2003, NACA Headquarters, Bangkok, Thailand. Details at <http://www.enaca.org>

10th International Symposium for Veterinary Epidemiology and Economics (ISVEE), November 17-21, 2003, Santiago, Chile. A Plenary Session on Epidemiology and Control of Diseases in Aquatic Organisms is included. Pre-and post-ISVEE courses also available. For more

information please visit <http://www.isvee10.cl> or contact info@isvee10.com

Second SEAFDEC Hands-on Training for Important Viral Diseases of Shrimp and Marine Fish in Collaboration with OIE and NACA, 05 Nov - 21 Nov 2003, Tigbauan, Iloilo. Information at <http://www.seafdec.org.ph/training/viraldiseases.php>

23th Conference of the OIE Regional Commission for Asia, the Far East and Oceania, 25 to 28 November 2003, Noumea, New Caledonia

December 2003

Aquaculture Australia, 3-5 December 2003, Sydney, Australia. Further details For further details please contact: Sue Hill, Exhibition Sales Manager, Heighway Events, Telephone House, 69-77 Paul Street, London, EC2A 4LQ, UK, Tel/Fax: +44 (0)20 7017 4516 / 4537 Email: sue.hill@informa.com.

February 2004

2004 Annual Meeting of the Whirling Disease Symposium and the Western Division of the American Fisheries Society. The conference, entitled "Native Fish Management: Policies, Politics and Practicalities" is being co-hosted by the Colorado/Wyoming and Bonneville Chapters. The 10th Annual Whirling Disease Symposium will be held in conjunction with the Salt Lake City meeting. The goal of the session is to provide a forum in which whirling disease researchers and fisheries managers can come together to share information and experiences related to the disease. Examples of topics include: *Myxobolus cerebralis* infection in both the salmonid and oligochaete hosts, biology of the parasite, effects of ecological factors on disease severity, diagnostic methods abstracts will be produced for this symposium. 29 February to 4 March 2004, Little America and Grand America Hotels Salt Lake City Information: Persons wishing to participate in this symposium should contact the Whirling Disease Foundation directly at whirling3@mcn.net

March 2004

11th International Congress on Infectious Diseases, March 4-7, 2004, Cancun, Mexico. information can be obtained from website at http://www.isid.org/11th_icid/.

Aquaculture America 2004: Triennial meeting of the World Aquaculture Society, National Shellfisheries Association, and AFS Fish Culture Section, 1-5 March 2004, Honolulu, HI. See www.was.org

<http://www.was.org>>. Contact worldaqua@aol.com
<<mailto:worldaqua@aol.com>>

Aquaculture Biosecurity: Approaches to Prevention, Control and Eradication of Aquatic Animal Diseases.

The Oceanic Institute and the American Veterinary Medical Association, as coordinators of a Special Session, Aquaculture Biosecurity: Approaches to the Prevention, Control, and Eradication of Aquatic Animal Disease, have invited key representatives of international, regional and national organizations (OIE, FAO, SE Asia, USA, Canada, Australia, etc) to participate and present their views and approaches to this important issue. The Special Session will tentatively consist of two days of focal presentations and a one-day roundtable workshop, during the last three days of Aquaculture 2004. Focused topics presented during the first two days will constitute the agenda for the third day roundtable-workshop. Aquaculture Biosecurity Session Coordinator The Oceanic Institute 41-202 Kalaniana'ole Highway Waimanalo, HI 96795 USA Phone: (808) 259-7951 Fax: +1 (808) 259-8395 pobryen@oceanicinstitute.org

96th Meeting of the National Shellfisheries Association, March 1-4, 2004, Honolulu, Hawaii. More information at <http://www.shellfish.org>

Third International Conference for the Marine Ornamentals Community, March 1-4, 2004, Honolulu, HI. Contact 760/432-4270, worldaqua@aol.com
<<mailto:worldaqua@aol.com>>

29th Annual Eastern Fish Health Workshop. March 22-24, 2004, Atlantic Beach, North Carolina. Three day general sessions plus one day continuing education workshop on understanding tumours and neoplasia in lower vertebrates. Information by e-mail to Rocco.Cipriano@usgs.gov

Regional Workshop on 'Building capacity to combat invasive alien species and trans-boundary pathogens in aquaculture in the ASEAN region'. (March 2004, Bangkok, tentative). A Joint ASEAN-U.S. Project on Invasive Alien Species in Aquaculture, this Project will primarily address 'health, pathogens and IAS' of aquatic animals and the implications and risks of trade and movement (introduction and transfers) on environmental health, biosecurity, and the broader issue of biodiversity and exotic species movement. Details at <http://www.enaca.org>

May 2004

35th Annual Conference and Workshop of the International Association of Aquatic Animal Medicine (IAAAM), Galveston, Texas. Information at www.iaaam.org.

June 2004

International Marine Aquarium Conference, Chicago, IL, 25-27 June 2004. Information at <http://www.theimac.org>; or Dennis Gallagher, e-mail: dennis2103@comcast.net.

GISVET 2004, 21-25 June 2004, Ontario Veterinary College, University of Guelph, Guelph, Ontario, Canada. The GISVET conferences are becoming the main forum for the presentation of research into the spatial epidemiology of diseases of animals, including livestock and wildlife, and zoonotic diseases of concern to public health. The objective of GISVET 2004 is to provide an international forum for academic and governmental researchers and officials interested in advancing applications of Geographic Information Systems (GIS) and spatial analyses, statistical techniques and modeling, to challenges in animal health and zoonotics. This conference will provide a rich environment for sharing information and ideas to advance scientific knowledge and collaborations in support of GIS activities involving livestock, wildlife and public health. The GISVET 2004 e-mail address is: gisvet04@uoguelph.ca; Web URL is www.gisvet.org

July 2004

Annual Meeting of the FHS/American Fisheries Society One day continuing education workshop on current topics in fish parasitology being planned in conjunction with the annual meeting. July 2004, Shepherdson, West Virginia. Further information at: http://training.fws.gov/vicki_blazer@usgs.gov

September 2004

6th International Symposium for Viruses of Lower Vertebrates (The 6th ISVLV). This is the 6th scientific gathering of ISVLV. Previous meetings were held in Seattle, USA (2002), Weymouth, England (1998), Jouy-en-Josas, France (1995), Corvallis, USA (1991) and Munich, Germany (1988). The main theme of 6th ISVLV is to bridge accumulating insights on molecular virology into applied and environmental virology of lower vertebrates. Scientists interested in viruses of amphibians, reptiles and fish are cordially invited. The 2-3 day scientific program will include sessions on pathogenesis, immunity, structural biology, molecular biology, virus evolution and emerging viruses of lower vertebrates. 20-22 September 2004 Hakodate Kokusai Hotel in Hakodate, Hokkaido, Japan Contact Site: Co-organizer Assoc. Prof. Nishizawa, T. Graduate School of Fisheries Sciences, Hokkaido University, Hakodate, 041-8611, Japan; E-mail: jjnishi@fish.hokudai.ac.jp

October 2004

Aquaculture Europe '04. Organised by the European Aquaculture Society (EAS) in cooperation with the European Society of Marine Biotechnology (ESMB) and the European Association of Fish Pathologists (EAFP). Will discuss policy issues, genetics and reproduction, larvae and juveniles, ongrowing, rapid detection methods, vaccines, 'bio' health management, consumer satisfaction and health, safety and traceability, bioactive products through aquaculture. 20-23 October 2004, Barcelona, Spain Conference Website: www.easonline.org; <http://www.easonline.org/agenda/en/AquaEuro2004/default.asp>

August 2005

Fifth International Symposium on Monogeneans, 8-12

August 2005, Zhongshan University, Guangzhou China.

First circular announcement at

http://www.diplectanum.dsl.pipex.com/ism5/ism5_first_circular.pdf

E-mail: china.ism5@zsu.edu.cn; ism5_china@yahoo.com.cn

August 2006

XXXVIIth Annual Meeting of the Society for Invertebrate Pathology; International Conference on *Bacillus thuringiensis*. August 1-6, 2006 Helsinki, Finland
Contact: h.hokkanen@kolumbus.fi

11th International Congress of Parasitology (ICOPA XI).

6-11 August 2006 Scotland, UK. Website:

<http://www.icopa-xi.org/>

Publications

NEW Manual of Diagnostic Tests for Aquatic Animals. Fourth Edition. 2003. OIE. Includes two new chapters: (a) on surveillance requirements for international recognition of freedom from infection; and (b) validation and quality control of PCR techniques for diagnosis of infectious diseases. Available at www.oie.int; Book order at pub.sales@oie.int

NEW International Aquatic Animal Health Code. Sixth Edition. 2003. OIE. Describes the health measures to be applied by competent authorities of importing and exporting countries to prevent transfer of agents pathogenic to animals and humans, while avoiding unjustified sanitary barriers. Aim of the Code is to assure sanitary safety in international trade of aquatic animals and their products. Available at www.oie.int; Book order at pub.sales@oie.int

NEW Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens, 5th Edition. 2003. Originally published in loose-leaf format as the Blue Book, this updated searchable CD contains both the familiar chapters of the "Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens" and the newly revised "Standard Procedures for Aquatic Animal Health Inspections" co-authored by the U.S. Fish and Wildlife Service and the AFS Fish Health Section. This new format allows the user to easily access information and contains numerous colour photographs and video clips. Published by the AFS Fish Health Section. Visit the AFS Online Bookstore at www.fisheries.org and click on "Bookstore". List price: US\$ 100 - AFS Member Price: US\$ 75

NEW Veterinary Epidemiologic Research. 2003. Ian Dohoo, Wayne Martin and Henrik Stryhn. A comprehensive text covering the key principles and methods used in veterinary epidemiologic research. It is written primarily for researchers and graduate students in veterinary

epidemiology, but the material is equally applicable to those in related disciplines (human epidemiology, public health etc). More detailed Information:

<http://www.upei.ca/ver/html/toc.html>

NEW Shrimp Health Management Extension Manual. 2003. MPEDA/NACA. Prepared by NACA and MPEDA in cooperation with AAHRI, Siam Natural Resources, and AusVet Animal Health Services. An outcome of a detailed study of shrimp aquaculture practices in the State of Andhra Pradesh with technical assistance from NACA, contains an illustrative, easy to grasp, guidelines for shrimp health management; summarizes farm level risk factors and practical management practices that can be used to reduce risks of shrimp disease outbreaks and improve farm production. Available at <http://www.enaca.org/Shrimp/manual/ShrimpHealthManual.pdf>

NEW Capacity and Awareness Building on Import Risk Analysis (IRA) for Aquatic Animals. 2003. J.R. Arthur and M.G. Bondad-Reantaso. (eds.). Proceedings of the Workshops held 1-6 April 2002 in Bangkok, Thailand and 12-17 August 2002 in Mazatlan, Mexico. APEC FWG 01/2002, NACA, Bangkok. Contains 25 papers divided into 5 sections: (a) Background for Risk Analysis; (b) Risk Analysis Process; (c) Risk Analysis and the World Trade Organization; (d) Country Experiences; and (e) National Strategies for Aquatic Animal Health. (in press, available before end of 2003).

NEW Diseases in Asian Aquaculture IV. 2002. FHS/AFS. C.R. Lavilla-Torres and E. Lacierda-Cruz (eds). Contains 43 peer-reviewed original research and review papers, dealing with the diseases and health management of aquatic animals, with emphasis on the Asia-Pacific Region, presented during the Fourth Symposium on Diseases in Asian Aquaculture (DAA IV), Cebu,, Philippines, November 1999. Details at <http://afs-fhs.seafdec.org.ph>

NEW Checklist of the parasites of fishes of Bangladesh . 2002. Arthur, J.R. & Ahmed, A.T.A. *FAO Fisheries Technical Paper* No. 369/1. Rome, FAO. 77 pp. This checklist summarizes information on the parasites of Bangladeshi fishes contained in the world literature dating from the earliest known records in the early 1900s to the end of 2000. Information is presented in the form of parasite-host and host-parasite lists. Included are 147 named species of parasites. Also included are many records of parasites not identified to species level. The Parasite-Host List is organized on a taxonomic basis and provides information for each parasite species and the Host-Parasite List is organized according to the taxonomy of the hosts. Both lists are accompanied by remarks and footnotes, as warranted, giving specific information on points of systematics, nomenclature, possible misidentifications, introductions, pathogenicity etc. Citations are included for all references and a supplementary list of references contains other literature on Bangladeshi

fish parasites. Parasite and host indices are included. Parasites have been reported from only 85 of the 528 species of marine and freshwater fish occurring in the waters of Bangladesh. Contact: Rohana.Subasinghe@fao.org

Diseases and Disorders of Finfish in Cage Culture. 2002.

Editors: Patrick TK Woo, University of Guelph, Guelph, Canada, David W Bruno FRS Marine Laboratory, Aberdeen, United Kingdom and Susan LH Lim, University of Malaya, Kuala Lumpur, Malaysia October 2002. CABI Publishing, Wallingford, Oxon OX10 8DE, UK; 384 p. ISBN: 0851994431. Price: £85.00 (US\$149.00). This book is designed for aquaculturalists who are using or intend to use cage culture. It is also useful to fish health consultants (e.g. veterinarians), microbiologists, parasitologists, fish pathologists and managers and directors of diagnostic laboratories. Each chapter is written by international experts who have had personal experience or expertise on diseases and their diagnosis, and/or solutions to problems associated with the cage culture of finfish.

Import Risk Analysis; Animals and Animal Products. 2002.

Noel Murray. First publication of its kind based on the guidelines for import risk analysis outlined in OIE's International Animal Health Code. Provides instruction in and useful examples of qualitative and quantitative risk analysis that have passed New Zealand's MAF's rigorous internal and external peer-review processes. Also contains a bibliography to assist the reader who needs to find more detailed information on aspects of the risk analysis process. (<http://www.maf.govt.nz/biosecurity/pests-diseases/animals/risk/import-risk-analysis-handbook.htm>)

Risk Analysis in Aquatic Animal Health. OIE. 2001.

Proceedings of an International Conference held in Paris, France, 8-10 February 2000. This conference was organized with the objective of provoking international dialogue and providing information on this subject to scientists, academics and regulators responsible for developing, evaluating and implementing import measures in the field of aquatic animal health. A valuable resource on risk analysis for aquatic animal movement. Edited by C.J. Rodgers. Book order at pub.sales@oie.int

An Introduction to Parasitic Diseases of Freshwater Trout. 2001.

Kurt Buchmann and José Bresciani (authors). Drawings by Beth Beyerholm. DSR Publishers. 76 p. ISBN 87 7432 580 9. Contact: DSR booksellers, Thorvaldsensvej 40, DK-1870 Frederiksberg C, Denmark. Phone: +45-35357622. Fax: +45-35352790. A new text-book in English for students, anglers, aquaculturists and teachers. A general and a systematic section provides an introduction into the broad field of parasites in salmonids.

Biosecurity in Aquaculture Production Systems: Exclusion of Pathogens and Other Undesirables.

Cheng-Sheng Lee and Patricia J. O'Bryen (eds). Softbound, 293 Pages, 30 figures, 35 tables (WAS Member Price: \$45.00; Non-Member Price: \$80.00) WAS web page: www.was.org or contact the WAS home office at WASMAS@aol.com.

This book contains 13 peer-reviewed and edited papers that were presented at the workshop, "Biosecurity in Aquaculture Production Systems: Exclusion of Pathogens and Other Undesirables," held in Honolulu, Hawaii, July 23-26, 2001, as well as two solicited papers and a summary of the extensive discussion sessions among an international panel of experts at the workshop. The chapters cover the wealth of experience from the varied perspectives of these experts on using biosecurity measures to take the offensive against the spread of diseases and parasites in production systems for major aquaculture species. The book covers both the biotechnological and policy development approaches to biosecurity in aquaculture. Chapters are thoroughly referenced, making this a must-have for any aquaculturist today interested in excluding and controlling disease.

Microbial Approaches to Aquatic Nutrition in Environmentally Sound Aquaculture Production Systems.

Edited by Cheng-Sheng Lee and Patricia J. O'Bryen. Softbound, 293 Pages, 30 figures, 35 tables. Review papers and reports of original research by leading experts on microbial ecology, water quality, pond dynamics, rumen ecosystems, wastewater treatment, and a variety of aquaculture production systems, presented during a workshop sponsored by the National Oceanic and Atmospheric Administration and organized by The Oceanic Institute on Microbial Approaches to Aquatic Nutrition within Environmentally Sound Aquaculture Production Systems. Topics include: microbes in production systems for marine shrimp, bivalve mollusks, or marine fish, monitoring and measurement of microbes in culture systems, the use of probiotics, stability and control of microbial populations, the development of microbial flora in the fish intestine, and microbial interactions in ruminant digestive systems. This book is an invaluable reference for academia, researchers, and the industry (WAS Member Price: \$45.00; Non-Member Price: \$80.00; Item # ISBN 1-888807-10-5)

Management and Developmental Histology of Seed Oysters

by Dr. Ralph Elston. Provides a basis for the systematic diagnosis and thus management of oyster larval and seed diseases.

WAS web page: www.was.org or contact the WAS home office at WASMAS@aol.com. The WAS webpage provides a one stop location for aquatic animal health publications from many publishers including SRAC, Blackwell, Iowa State, Oxford, CABI, and Kluwer; contains a comprehensive list of existing books including the excellent resources on marine shrimp and mollusc health which include book, CD and DVD based diagnostic manuals and books on normal and developmental anatomy.

Other Aquatic Animal Health Resources

ProMed - The Program for Monitoring Emerging Diseases is an electronic outbreak reporting system of the International Society for Infectious Diseases that monitors infectious diseases globally. ProMED-Mail serves as a central site for news, updates, and discussions of outbreaks of emerging and re-emerging diseases that affect human health. ProMED-mail provides up-to-date information on disease outbreaks around the world, seven days a week. ProMed website: <http://www.isid.org/>

NEW Non-native oysters in the Chesapeake Bay. Available at <http://www.nap.edu/books/0309090520/html/> The document provides the results of a study conducted by the National Academies of Science's National Research Council on the ecological and socio-economic risks of the non-native oyster, *Crassostrea ariakensis* (or commonly known as Suminoe oysters - native to China and Japan), in the Chesapeake Bay. The study addresses the following issues: (a) how *C. ariakensis* might affect the ecology of the Bay, including effects on native species, water quality, habitat, and the spread of human and oyster diseases; (b) possible effects on recovery of the native oyster, *C. virginica*; (c) potential range and effects of introduced oyster within the Bay and neighboring coastal areas; (d) adequacy of existing regulatory and institutional framework; (e) assessment of the breadth and quality of existing research on oysters and on other introduced species to support risk assessments of management options for oysters.

NEW Report of the Working Group on Pathology and Diseases of Marine Organisms. 2003. Report of a Meeting of the ICES Working Group on Pathology and Diseases of Marine Organisms, held in Aberdeen, UK in 11-15 March 2003, participated by representatives from 11 ICES member countries chaired by T. Lang (Germany). Available at: www.ices.dk/iceswork/wgdetail.asp?wg=wgpdmo

Development of a Regional Risk Management Framework for APEC Economies for Use in the Control and Prevention of Introduced Marine Pests. 2002. APEC Marine Resource Conservation Working Group, Final Report. Williamson, A.T., Bax, N.J., Gonzalez, E. & Geeves, W. (Editors) http://crimp.marine.csiro.au/reports/APEC_Report.pdf

Aquatic Animal Health Opportunities

UNESCO International Workshop on Water Safety and Water Microbiology, November 10-14, 2004, Department of Fishery Microbiology, College of Fisheries, Mangalore 575002, India. The workshop will consist of lectures and demonstrations on aspects like microbiology of source water for urban and rural water supply, water treatment for drinking, human pathogens and toxins in water, methods for their detection and techniques for water quality assessment, microbial biofilms and their implications on water quality, waste water treatment, role of microorganisms in water treatment. Those working in the area of water treatment and distribution, water quality labs, public health labs, food processing, fisheries, aquaculture, etc. from developing countries are eligible to apply. Maximum number of participants will be 20. Those interested in participation can contact the local organizers at Mangalore. There is no registration fee. The cost of international/domestic travel and boarding and lodging will be borne by UNESCO. Those interested please contact: Dr. Indrani Karunasagar, Director of UNESCO MIRCEN for Marine Biotechnology, University of Agricultural Sciences, College of Fisheries, Mangalore 575 002, India; Tel: 0091 824 2246384 or 0091 824 2243180; Fax: 0091 824 2246384 or 0091 824 2248366; E-mail: mircen@sancharnet.in; karuna8sagar@yahoo.com

Past Aquatic Animal Health Events

September 2003

11th International Conference European Association of Fish Pathologists, 21-26 September 2003

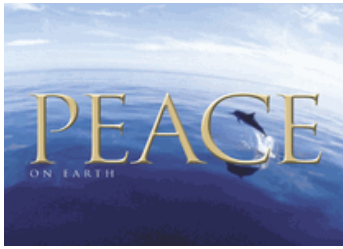
Sixth International Symposium on Fish Parasites, 22-26 September 2003, Bloemfontein, South Africa

Asian-Pacific Aquaculture 2003, 22-25 September 2003, Bangkok, Thailand. More information at http://www.enaca.org/WASBrochure/WAS_AP2003.pdf

Aquatic and Marine Animal Health 2003. Second United States and Russia Bilateral Symposium on Fish Health and the Environment, September 21 - 28, 2003, National Fish Health Research Laboratory at the Clarion Inn, Shepherdstown, WV

October 2003

3rd World Conference on Ornamental Fish Culture 'Advanced Technology in Fish Aquaculture', 30 October - 1 November 2003.



*We wish you a joyful celebration of Ramadan
and
early best wishes greetings for the coming
Holiday Season 2003 and Year 2004.*

Peace and

*Antum salimuon
L'Shannah Tovah
Kung Ho Hsin His
Sung Tan Chuk Ha
Shuvo Nabo Barsho
Suk san wan pee mai
Selamat Tahun Baru
Nupela yia I go long yu
Suk san wan Christmas
Voorspoedige Nuwejaar
Vesowe Boze Narodzenie
God Jul Og Godt Nytt Aar
Glaedelig Jul og godt niter
God Jul Och Ett Gott Nytt Ar
Joyeux Noël et Bonne Annee
Selamat menyambut Hari Natal
Idah Saidan Wa Sanah Jadidah
Akemashite omedetou gosaimasu
Buon natale e Felice Anno Nuovo
Feliz Navidad y Prospero Ano Nuevo
Shen Dan Kuai Le Xin Nian Yu Kuai
Shen tan jie kuai le. Hsin Nien Kuaile
Sing Dan Fae Lok. Gung Hai Fat Choi
Chuc mung nam moi va Giang Sinh vui ve
Geseknde Kersfees en 'n gelukige nuwe jaar
Nava Varsh Ki Haardik Shubh Kaamnaayen
Wesolych Swiat I Szczesliwego Nowego Roku
Prettige kerstdagen en een gelukkig nieuw jaar
Vrolijk Kerstfeest en een Gelukkig Nieuw Jaar
Maligayang Pasko at Manigong Bagong Taon
Kellemes karacsonyi uennepeket es boldog ujevet
Selamat menyambut Hari Natal dan Tahun Baru
Frohe Weihnachten und ein glickliches Neues Jahr
Suba Naththalak Wewa! Suba Aluth Auruddak Wewa
Joy to
Everyone*

This Electronic Newsletter, intended for FHS/AFS members and other subscribers, contains information on member news/updates, regional/global project news/updates, important events, useful publications and other aquatic animal health resources to and from the Asia-Pacific region. Regular issues will come out on a monthly, bimonthly or quarterly basis depending on available information; newsletter archive can be accessed at <http://afs-fhs.seafdec.org.ph>. For contributions, subscription/unsubscription, please send e-mail to melba@goeaston.net.