Southeast Asian Fisheries Development Center **Aquaculture Department**

SEAFDEC/AQD Institutional Repository **http://repository.seafdec.org.ph**

Journals/Magazines Aqua Farm News

1992

SEAFDEC/AQD and its training alumni: A partnership in technology transfer

Aquaculture Department, Southeast Asian Fisheries Development Center

Southeast Asian Fisheries Development Center, Aquaculture Department (1992). SEAFDEC/AQD and its training alumni: A partnership in technology transfer. Aqua Farm News, 10(5), 9-12.

http://hdl.handle.net/10862/2606

Downloaded from http://repository.seafdec.org.ph, SEAFDEC/AQD's Institutional Repository

SEAFDEC/AQD and its training alumni: a partnership in technology transfer

In the last 17 years, AQD has followed the classic research-extension-farmer approach in technology transfer. Its extensionists are mainly the training alumni, although AQD conducts some outreach programs and disseminates information through its publications, video programs, and library/documentation services. Indeed, AQD has trained over 7,000 fishery technicians and aquaculturists from all over the world. This partnership with the training alumni was strengthened through the recently concluded *Aquaculture Workshop for SEAFDEC/AQD Training Alumni* held September 8-11, 1992 at the Tigbauan Main Station. The workshop aimed to (1) establish linkage between the Department and its training alumni and among trainees; (2) assess and evaluate the effectiveness of the various training courses conducted by AQD; (3) update alumni on the recent technologies developed by AQD; and (4) recommend strategies to make the training programs more responsive to the needs of the fishfarmers and the aquaculture industry.

As a result, two new training courses were recommended: *Mollusc Culture* and *Brackishwater Pond Culture*. These are additions to the courses offered every year like *Fish Nutrition, Hatchery/Nursery of Marine Finfishes, Fish Health Management,* and *Aquaculture Management* and the courses offered every two years like *Culture of Natural Food Organisms* and *Shrimp Hatchery and Nursery Operations.* The workshop also pressed for continuous internship for training alumni, incorporation of the environmental aspects of culture systems to the course content, and extension of some courses to include more practical work.

The proceedings of the workshop will be available from AQD in the first quarter of 1993.

Assessment of aquaculture training needs

AQD is planning to conduct an assessment survey of the aquaculture training requirements in the region to improve its training programs. The survey will cover actual needs and available aquaculture manpower. The survey will also include a tracer study of former AQD trainees. In addition, the survey will attempt to evaluate the extent of utilization of technologies developed by AQD. As a feedback mechanism, results of the survey will be used in the planning of research studies to be undertaken by AQD.

The target clientele for the assessment survey are the aquaculture agencies, aquaculture institutions, former AQD trainees, and fish farmers' associations in the Philippines, Malaysia, Thailand, Singapore, Brunei Darussalam, and Indonesia. AQD also hopes to promote cooperation among aquaculture institutions in the ASEAN countries. The ultimate goal of the survey is to transfer AQD technology to the fish farmers and to involve them in the research plans of the Department.

AQD's newest training graduates

The *3rd Training Course on Aquaculture Management*, conducted by AQD Sept. 30 to Oct. 29, graduated fifteen participants: Rene Calumpang, Marie June Esprela, Tomas Mercado, Herminia Javier, Emilio Gulle, Marlou Fernandez, Justerie Granali, Merlina Andalecio, Edgar Estanislao, Antonio Abogado, Gerarde Malate, Sonyos Sidtichokpan, Prapun Leepayakoon, Prem George Philip, and Haydar H. Alsahtout.

The four-week course was aimed at developing the skills of project managers in aquaculture planning and implementation, monitoring, and evaluation. Participants were also expected to use the different managerial tools whenever applicable and likewise be updated on new developments in aquaculture.

The *Training Course on Fish Nutrition* on the other hand is attended by participants from five countries: Edgar Balambao, Zenaida Fontanila, Guia Teresita Taleon, Dionisio Calantro, Olivia Payba, and Dennis Flores - Philippines; Hamdan Alawi - Indonesia; Pravit

(please turn to p. 12)

A total of 81 training alumni from Malaysia, Thailand, and the Philippines; observers/ guests; and AQD staff attended the 4-day workshop. AQD's efforts to help develop the aquaculture industry through technology transfer was lauded; and, without exception, all the training alumni present expressed their appreciation for AQD's highly relevant and effective courses.

In the workshop, AQD learned the status of seed production, nursery and grow-out, fish nutrition, and fish health in SEAFDEC Member Countries from its training alumni who presented country reports. In turn, the training alumni were updated by AQD on its research technologies developed in the last three years (1988-1991). AQD also discussed its research plans and activities for the next three years (1992-1994). Training and information activities were also discussed.

Issues discussed ranged from shrimp fry quality, the practicality of formulated feeds, marketing value-added products, to pollution, mortalities, and role of governments.

CLOSING CEREMONIES
AQUACULTURE WORKSHOP FOR
SEAFDEC/AQD TRAINING ALUMNI

Laoobuth, and Pranee Sraboul - Thailand; Alex Kwok Chi-Keung - Hongkong; and Omar Jaafar, Rostan Tili, and Mohd. Zadodin Ismael - Malaysia.

The six-week course - from Oct. 22 to Dec. 2 - covers important topics in fish nutrition such as nutrient and nutritional requirements of cultivated species; sources of nutrients; physiology of feeding, feed formulation, preparation and storage; feeding procedures; feed analysis and evaluation; and economic aspects of different types of artificial feeds and feeding.

New training courses at AQD

AQD is planning to offer two new courses - *Seaweed Culture (Kappaphycus)* and *Aquaculture Training Program Development and Management.* (See also p. 19.)

Seaweed Culture (Kappaphycus). This three-week training course is intended for fishery extension workers, farm managers, and future seaweed farmers. It aims to give basic preparation on the identification of local seaweed species, biology and ecology of *Kappaphycus* and other economically important local seaweeds, and their uses; provide practical skills on seaweed (*Kappaphycus*) farming techniques, management, post-harvest handling, and quality control; and compare the cost and returns of seaweed farming using fixed bottom line, raft culture, and hanging long line.

Aquaculture Training Program Development and Management. This four-week training aims to provide project managers, planners, and trainors with training on how to plan, design, and conduct training programs, replicating the regular training courses offered by AQD at the national level. It will orient participants on the various aspects of aquaculture operations, focusing on training methodologies and preparation of audiovisual materials.

Participants should be able to organize and conduct national aquaculture training courses upon their return to their respective countries.

The schedule of the course will be determined later.

Technical Assistance from AQD

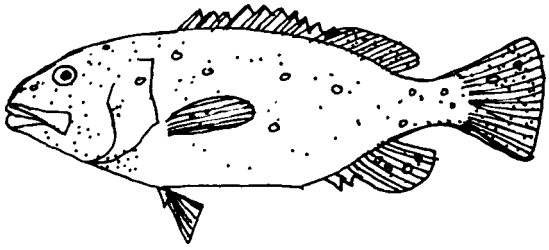
Small-scale fishfarmers can access the latest AQD technology through various means:

1) Fishfarmers can write the Research Division Head (or the Training and Information Division Head) for technical assistance. These technical queries are referred to researchers expert in a particular field. (Some of these queries are featured in this newsletter.)

2) Fishfarmers can visit the AQD booth in science and technology fairs and exhibits. AQD usually fields a researcher to act as aquaculture consultant.

3) Fishfarmers can write the Library and Documentation Services for references or materials. Or, the Sales/Circulation Unit for AQD-published or produced books and video programs.

4) Fishfarmers may also subscribe to the quarterly newsletter *SEAFDEC Asian Aquaculture* and/or to the bimonthly *Aqua Farm News.* The former features research published in scientific journals, the latter the latest technology for cultured species and other noteworthy information excerpted from various sources. The two newsletters carry updates of AQD research, training, and information activities. Charge is minimal, ₱50 and ₱40 per year, respectively.

5) A visit to AQD can also be accommodated. During the visit, the fishfarmer or a group of fishfarmers may talk with researchers and inspect AQD facilities. Write to the Visitors' Service to arrange itinerary and lodging in advance.

6) It is also possible to invite AQD researchers to talk on a specific topic. However, the cost of the seminar, travel of researchers, and incidental costs must be shouldered by the inviting group.