

SOUVENIR
SILVER ANNIVERSARY
PROGRAMME

Come, celebrate with us!

SEAFDEC Aquaculture Department
Tigbauan, Iloilo, Philippines

1973-1998



25 Years

AQUACULTURE
for a sustainable future



The Southeast Asian Fisheries Development Center (SEAFDEC) is a regional treaty organization established in December 1967 for the purpose of promoting fisheries development in the region. Its Member Countries are Japan, Malaysia, the Philippines, Singapore, Thailand, Brunei Darussalam, and the Socialist Republic of Viet Nam.

Representing the Member Countries is the Council of Directors, the policy-making body of SEAFDEC. The chief administrator of SEAFDEC is the Secretary-General whose office, the Secretariat, is based in Bangkok, Thailand.

Created to develop fishery potentials in the region in response to the global food crises, SEAFDEC undertakes research on appropriate fishery technologies, trains fisheries and aquaculture technicians, and disseminates fisheries and aquaculture information. Four departments were established to pursue the objectives of SEAFDEC.

- The **Training Department (TD)** in Samut Prakan, Thailand, established in 1967 for marine capture fisheries training
- The **Marine Fisheries Research Department (MFRD)** at Changi Fisheries Complex, Singapore, established in 1967 for fishery post-harvest technology
- The **Aquaculture Department (AQD)** in Tigbauan, Iloilo, Philippines, established in July 1973 for aquaculture research and development
- The **Marine Fishery Resources Development and Management Department (MFRDMD)** in Kuala Terengganu, Malaysia, established in 1992 for the development and management of the marine fishery resources in the exclusive economic zones (EEZs) of SEAFDEC Member-Countries.

Steering Committee for AQD's 25th Anniversary Celebration

Anicia Hurtado-Ponce, Ph.D.

Chair

Leobert de la Peña, Ph.D.

Co-Chair

Jurgenne Primavera, Ph.D.

Ms. Milagros Castaños

Ms. Nelda Ebron

Ms. Agnes Lacuesta

Engr. Salvador Rex Tillo

Members

SEAFDEC/AQD celebrates 25 years of aquaculture research and development

SEAFDEC Aquaculture Department was established in July 1973. It was mandated to (1) promote, undertake and coordinate research which is necessary for the development of the aquaculture industry in the region; (2) train experts in aquaculture at various levels, from the researcher down to the technician level; and (3) arrange for the exchange and dissemination of knowledge and information in the field of aquaculture and related activities to meet the needs of SEAFDEC Member-Countries.

After 25 years, SEAFDEC / AQD has achieved the following milestones:



1975
1977

Broodstock and hatchery technology for tiger shrimp *Penaeus monodon*

completion of the tiger shrimp life cycle by eyestalk ablation
mass production of ablated spawners in marine pens,
mass production of fry in small-scale barangay hatchery,
start of regular training courses in tiger shrimp hatchery
1978 extension manual on barangay hatchery operations,
technology transferred to commercial private sector
1980 mass production of ablated spawners in land-based tanks
1986 formulation of effective broodstock diet
1990 formulation of effective diet for larvae in the hatchery



1976
1977
1979
1986
1990

Pond grow-out technology for tiger shrimp *Penaeus monodon*

extension manual on tiger shrimp grow-out
start of training courses in tiger shrimp grow-out
use of hatchery-reared fry in private commercial farms
control of soft-shell syndrome in tiger shrimps in ponds
formulation of a cost-effective diet for grow-out



1976
1980

Broodstock technology for milkfish *Chanos chanos*

first induced spawning of adults from the wild
1980 maturation and natural spawning of captive broodstock in
floating sea-cages
1981 start of the National Bangus Breeding Program to raise broodstocks
in floating sea-cages at 12 sites
1983 completion of the milkfish life cycle in captivity
1986 maturation and natural spawning at four NBBP sites
1987 efficient egg collector developed for sea cages
1990 natural spawning of broodstock in concrete tanks
1992 extension manual on broodstock and spawning
1995 privatization of NBBP broodstocks
1997 formulation of an effective broodstock diet



1976
1978
1982
1983
1984

Hatchery technology for milkfish *Chanos chanos*

first induced spawning of adults from the wild
successful larval rearing in the hatchery
1982 extension manual on spawning and larval rearing
1983 mass production of fry in the hatchery with eggs coming from natural
spawning of captive adults
1984 start of regular training courses in milkfish hatchery

OUR VISION

SEAFDEC / AQD shall be a dynamic, relevant regional R&D organization that promotes sustainable aquaculture and that is responsive to the needs of the industry and society.

- 1991 refinement and verification of hatchery techniques
- 1991 mass production of fry in a private commercial hatchery
- 1992 technology transferred to more private hatcheries
- 1995 formulation of effective diet for larvae in the hatchery



Broodstock and hatchery technology for grouper *Epinephelus coioides*

- 1989 broodstocks raised in floating cages and concrete tanks
- 1989 hormonal sex inversion of females to functional males
- 1990 maturation and year-round spawning and larval rearing
- 1994 completion of the grouper life cycle in captivity, intensive hatchery techniques, fry production
- 1995 sex-inversed males in natural spawning
- 1996 improved larval survival by use of copepod nauplii
- 1997 larval metamorphosis advanced by thyroid hormones



Broodstock and hatchery technology for catfish *Clarias macrocephalus*

- 1989 first induced spawning of adults from the wild
- 1990 completion of the catfish life cycle in captivity
- 1992 breeding techniques established for captive adults
- 1994 regular production of fry in the hatchery
- 1995 start of training courses including catfish hatchery
- 1996 formulation of broodstock diet
- 1997 refinement of breeding and hatchery techniques

TECHNOLOGY NOW AVAILABLE



Broodstock and hatchery technology for bighead carp *Aristichthys nobilis*

- 1980 broodstock development in pens and cages in Laguna de Bay
- 1983 first induced spawning and successful fry production
- 1984 techniques for spawning, incubation, and fry production
- 1985 start of regular training courses in bighead carp hatchery, technology transferred to private hatcheries

- 1986 completion of the bighead life cycle in captivity, grow-out of bighead carp established in many private farms
- 1987 formulation of an effective broodstock diet
- 1988 refinement of induced spawning techniques



**Broodstock and hatchery technology for mudcrab
*Scylla serrata***

- 1996 grow-out and broodstock production in brackishwater ponds, suitable holding system and diet for maturation and spawning
- 1997 induced spawning of ablated pond-reared adults, first successful culture of megalopas to crablets in ponds, completion of the mudcrab life cycle in captivity
- 1998 mass production of megalopas in the hatchery

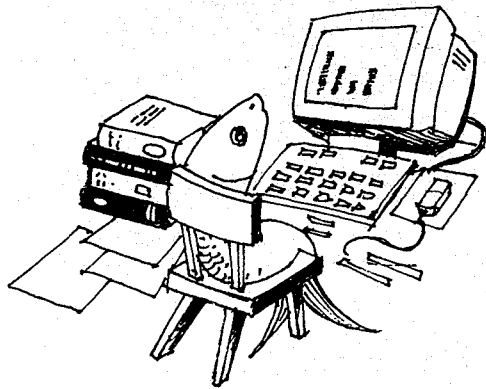
TECHNOLOGY NOW AVAILABLE



**Broodstock and hatchery technology for rabbitfish
*Siganus guttatus***

- 1983 first induced spawning of wild adults, first larval rearing
- 1985 year-round natural spawning of captive adults, mass production of fry in the hatchery
- 1986 completion of the rabbitfish life cycle in captivity
- 1986 start of training courses including rabbitfish hatchery
- 1988 refinement of hatchery techniques
- 1989 formulation of diet for early juveniles in the nursery

TECHNOLOGY NOW AVAILABLE



Come, see these milestones on 25 years of aquaculture research and development: a CD-Rom show to be shown at these times --

10-12 am	7 July	TID Conference Room
10-12 am	8 July	TID Conference Room
10-12 am	10 July	TID Conference Room

*Special screenings can be arranged.
Contact the Steering Committee.*

Exhibits at the RD Lobby and TID Bldg.
AQD researchers are available to answer your questions.

THE ANNIVERSARY WEEK

6 - 10 July 1998
SEAFDEC AQD, Tigbauan, Iloilo

TIME	DATE / ACTIVITY	VENUE
6 July MONDAY		
7:30 am	Motorcade, opening week program	Iloilo City to AQD*
9:30 am	Open house, aquaculture clinic**	Designated research areas
	Writing / drawing contest (elementary pupils)	c/o AQD Museum
3:30 pm	Invitational basketball game	Basketball Court
7 July TUESDAY		
8 am	Writing / drawing contest (high school)	c/o AQD Museum
8-12 am	Medical / dental consultation (children)	Medical & Dental Clinic
10-12 am	CD-ROM show: 25 years of aquaculture R&D	TID Conference Room
2-5 pm	Medical consultation (adults)	Medical & Dental Clinic
3:30 pm	Invitational men / ladies volleyball game	Volleyball Court
8 July WEDNESDAY		
8 am	Kids' Day and Films at the Museum	AQD Museum / RD Audiovisual Rm
10-12 am	CD-ROM show: 25 years of aquaculture R&D	TID Conference Room
1:30-3 pm	Dean DK Villaluz Memorial Lecture	TID Conference Room
3:15-4 pm	Book launching of AQD manuals	TID Conference Room
5:30 pm	Raffles and Sing-a-long	TID Quadrangle
6:30 pm	Cultural Show (Dagyaw Theater and Dance Company)	TID Quadrangle

* AQD employees and guests are requested to assemble at the Iloilo City Capitol Building at 7:00 am. Motorcade leaves at 7:30 am, and ends at TID Quadrangle for a short program opening the anniversary week.

OPENING WEEK PROGRAM, 9:30 am, 6 July, TID Quadrangle

<i>Welcome remarks</i>	<i>Mr. Dan Baliao, Administration Division Head</i>
<i>Declaration of the opening of the anniversary week</i>	<i>Dr. Rolando Platon, AQD Chief</i>
<i>Release of balloons</i>	<i>Mrs. Elizabeth Platon and Roel Platon</i>
<i>Activities of the anniversary week</i>	<i>Dr. Anicia Hurtado-Ponce, Chair</i>
	<i>Steering Committee for the Anniversary Celebration</i>
<i>Closing remarks</i>	<i>Mr. Yasuho Tadokoro, AQD Deputy Chief</i>
<i>Master of Ceremonies</i>	<i>Dr. Veronica Alava</i>

TIME	DATE / ACTIVITY	VENUE
9 July THURSDAY		
8:30 am	Thanksgiving Mass	AD Lobby
9:30 am	Inauguration of the Integrated Fish Broodstock & Hatchery Pilot Demonstration Complex	On-site
10:00 am	Groundbreaking of FishWorld	On-site
10:30 am	ANNIVERSARY PROGRAM Hon. William Dar, Secretary Department of Agriculture <i>Guest of Honor</i>	TID Quadrangle
	LUNCH	TID Quadrangle
1:30 - 4 pm	Bingo Socials	TID Quadrangle
2 pm	Launching of AQD Local Area Network (LAN)	RD Computer Room
7 pm	Testimonial Dinner in honor/recognition of the AQD collaborators	Hotel del Rio, Iloilo City
10 July FRIDAY		
8 am - 5 pm	Kids' Day and Films at the Museum	AQD Museum / RD AV Room
10 - 12 am	CD-ROM show: 25 years of R&D	TID Conference Room

**Guided group tours to designated research areas are everyday -- at 9:30 am, 11:00 am, 2 pm and 4 pm -- except Thursday (July 9). Please coordinate with Visitors' Services / Training and Information Division.

Dean Domiciano K. Villaluz

Memorial Lecture

This lecture series held every anniversary is dedicated to the late Dean Villaluz, the first AQD Chief, in acknowledgment of his able leadership during AQD's organizational and formative years and for his contribution to the development of the aquaculture industry in the country and in the region. Dean Villaluz was AQD Chief from 1973 until his retirement from active service with the government in 1979.

This year's lecture:

Aquaculture: the last frontier for sustainable food security?

By MERYL J. WILLIAMS, Ph.D.

Fish has become a political commodity, thanks to its increasing scarcity and its high value. Aquaculture offers opportunities as the last frontier for sustaining the contribution of fish to food security. Asia is at the world forefront of aquaculture developments and has many lessons to share, even among countries and industries in the region. Aquaculture promises further benefits in addition to the remarkable contributions that it has already made. Aquaculture can produce more affordable fish, profitable businesses and diversified rural products and development. If well managed, aquaculture can even contribute to conservation of the environment. These benefits will not be realized, however, without the removal of limiting constraints. Feed costs must be reduced, better quality seed made available, more ecologically friendly, safer and healthier farming practices used and sound regulations implemented to underpin sustainability and trade. National needs, markets and trade will lead many developments. To relieve these constraints, greater investments in research, development, information dissemination, and training will be needed. These investments, including those from SEAFDEC, will help tame the last frontier for sustainable food security -- aquaculture -- and ensure that its benefits are available to all, not just the wealthy of Asia and the world but also the poor for whom food security is still a primary challenge.

THE GUEST SPEAKER. DR. MERYL WILLIAMS assumed the post of Director-General of the International Center for Living Aquatic Resources Management (ICLARM), an international research organization head-quartered in Manila, in April 1994.

She is a Doctor of Philosophy in Zoology and a Master of Literary Studies in Mathematical Statistics.

She was previously Director of the Australian Institute of Marine Science and Executive Director of the former Bureau of Rural Resources in the Department of Primary Industries and Energy, Canberra. Dr. Williams also worked as a fisheries scientist with the Queensland Government and with the South Pacific Commission in New Caledonia.

In Australia, she was a member of several fisheries management advisory committees and scientific review committees. In November 1997, she became a member of the FAO Advisory Committee on Fisheries Research and in 1998 she was appointed Chief of the FAO Director-General's High Level Panel of External Experts in Fisheries.

Dr. Williams marks a first in the history of ICLARM and in the CGIAR system, being the first woman Director-General of ICLARM and of any agricultural research center.

DEAN DK VILLALUZ MEMORIAL LECTURE

8 July, 1:30 pm, TID Conference Rm

Introduction of the guest speaker

Clarissa Marte, Ph.D.

Head, Research Division

Aquaculture: the last frontier for sustainable food security?

Meryl Williams, Ph.D.

OPEN FORUM

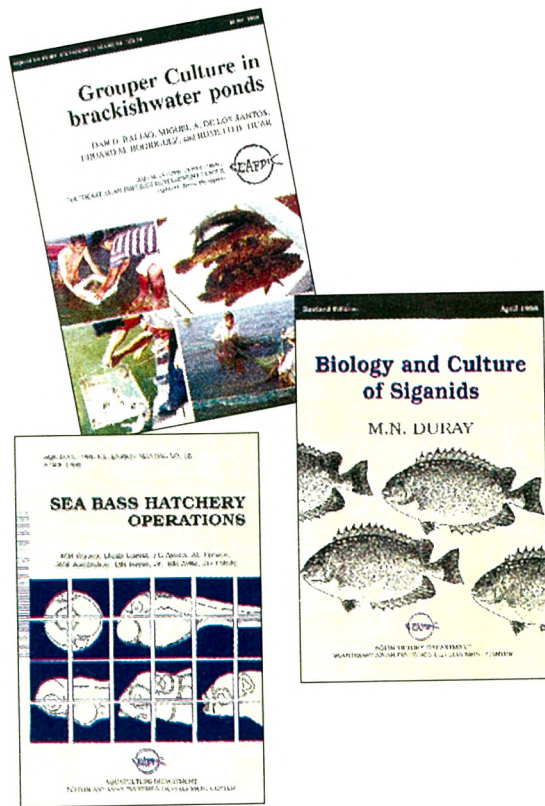
Awarding of Certificate of Appreciation to the guest speaker

Dr. Rolando Platon and

Mr. Antonio Villaluz

Moderator

Dr. Jurgenne Primavera



AQD booklaunches two manuals and a monograph

AQD will booklaunch the first of its manuals resulting from the Technology Verification Project (TVP) that was launched in mid-1996. The manual is entitled **Grouper culture in brackishwater ponds** and is written by TVP Head Dan Baliao and his associates Miguel de los Santos, Eduard Rodriguez and Romulo Titar.

The manual gives basic information about groupers and details brackishwater pond culture: sourcing fry and fingerlings, site selection, pond preparation, nursery operation, grow-out culture, harvest, and post-harvest. It also describes the economics of one grouper crop, marketing and transport techniques and diseases.

Another manual, **Seabass hatchery operations**, will be launched. It is written by AQD researchers Monina Parazo, Luis Maria Garcia, Deogracias Reyes Jr, Enrique Avila Jr, and Jobert Toledo. The manual is an update of the first one published in 1990.

The manual details the activities in the hatchery, from breeding the seabass until the harvest and transport of fry to fishponds.

A monograph on the **Biology and culture of siganids** was first written by AQD researcher Marietta Duray in 1990. The update was completed on April 1998, and will be booklaunched during the anniversary celebration.

The book includes siganid morphology, distribution and ecology; reproduction; fisheries; diseases and parasites; genetics. It also covers larval culture, fry and fingerling production, nutrition and feeds; and problem areas in aquaculture.

BOOKLAUNCHING CEREMONY

8 July, 3:15 pm; TID Conference Rm

Introduction of authors

Mr. Renato Agbayani
Head, Training and Information Division

About the books

Dan Baliao
Luis Maria Garcia
Marietta Duray
Authors

Handing of complimentary copies to representatives from the industry, research and academic sectors

Dr. Rolando Platon, *AQD Chief*
to be assisted by the authors

Signing of complimentary copies

The Authors

Master of Ceremonies:
Mila Castaños



Integrated Fish Broodstock and Hatchery Demonstration Complex

**INAUGURATION
CEREMONY**

9 July, 9:30 am, on-site

Cutting of the ribbon

Dr. William Dar
Guest of Honor

Welcome talk

Dr. Clarissa Marte
Head, Research Division

Blessing of the complex

**Launching of the
cooperators' program**

Guest of Honor
to be assisted by AQD Chief
and Dr. Arnil Emata
AQD Scientist

Short talk

Dr. Rolando Platon
AQD Chief

Master of Ceremonies:
Dr. Erlinda Lacierda

**AQD inaugurates new complex and
launches cooperators' program**

S EAFDEC Aquaculture Department initiated construction of the *Integrated Fish Broodstock and Hatchery Demonstration Complex* in 1997. After a year, the complex is fully operational; milkfish broodstock have been transferred to the new facility last April 1998. The complex will be inaugurated on July 9.

The facility is meant to showcase AQD's fish breeding and hatchery technologies, and demonstrate to fish farmers and entrepreneurs the commercial viability of such technologies. While initially containing only *bangus* broodstock and fry, the complex will eventually be used to demonstrate and to serve as a training facility for captive breeding of *lapu-lapu*, *maya-maya*, *apahap*, *samaral*, and other valuable marine fishes.

The fish eggs or newly hatched larvae that will be produced will be distributed to hatchery owners, especially those running small-scale hatcheries, for technology verification and to commercialize the technology.

SEAFDEC / AQD aims to encourage the expansion of the market for hatchery-reared milkfish fry because fry from the wild is getting scarce. The market for milkfish hatchery-reared fry would include fish-pond operators, the tuna bait industry and the marine cage industry.

(page 14, please)

FishWorld THE THEME PARK

FishWorld expands the existing AQD Museum and Biodiversity Garden to become a small theme park dedicated to the environment education of the general public — children, adults, students, teachers, researchers, public officials, tourists, local residents, etc. — particularly about water, coastal ecosystems, and about fisheries and aquaculture.

FishWorld is part of the efforts of the SEAFDEC / AQD to respond to the needs of the Philippines and southeast Asia, not only for aquaculture but for environment education so necessary for environmental protection and sustainable development.

FishWorld will be constructed by SEAFDEC / AQD (with a seed fund of P2 million), but will eventually be maintained as a public facility operated with funds from entrance fees and hopefully, grants from national and international sponsors.

FishWorld will landscape and develop as part of the facility the plant nursery behind it and the acacia grove beside it such that these become real biodiversity (botanical) gardens and teaching gardens.

FishWorld will feature a large permanent ecosystems exhibit that will show the interrelations and interdependence of land and water ecosystems, i.e. the oceans, coral reefs, seagrass beds, mangroves, estuaries, rivers, lakes, mountains, forests, together with human communities, fishponds, agri-farms, and factories. Visitors to FishWorld will walk through these ecosystems and learn about the interconnectedness of all life and all natural and man-made systems.

FishWorld will include a Fisheries Hall where the major types of fishing gears and methods will be shown with both the good they can do and the adverse effects they have on the environment. The exhibits will also show how fisheries can be reduced by a harsh or deteriorating environment.

FishWorld will include an Aquaculture Hall where the major types of aquafarming systems and methods will be shown with both the good they can do and the adverse effects they have on the environment. The exhibits will also show how aquaculture requires a good environment in order to prosper.

FishWorld will house the collections of the AQD Museum — both dry seaweeds, corals, shells, and other invertebrates, and preserved fishes, crustaceans, snakes, etc. Many of the specimens will go into particular ecology exhibits in FishWorld, but many will stay in display-and-reference rooms.

FishWorld will have a fully equipped audio-visual room for small meetings or classes (50-70 people). Outside this room will be a hall for reception or dining, or for seasonal exhibits or portable displays.

FishWorld will have a preparations room and laboratory for processing museum specimens and for hands-on use by small science classes.

FishWorld will have teaching non-walls everywhere — posters and write-ups to explain the nearby exhibits. There will also be some video or slides booths in the hallways.

FishWorld will have a souvenir shop that sells items that teach visitors about aquatic life, fisheries and aquaculture, about the earth in general, and how to be environmentally responsible citizens.

GROUND BREAKING CEREMONY

9 July, 10 am, on-site

Welcome talk

Dr. Teodora Bagarinao
AQD Museum Curator

Cornerstone laying for

FishWorld
Guest of Honor

Short talk

Dr. RR Platon
AQD Chief



The 25th Anniversary Program

10:30 am, 9 July 1998, TID Quadrangle

Pambansang Awit	Bahandi Choir
Invocation	Ms. Agnes Lacuesta
Inspirational Talk	Rolando Platon, Ph.D. <i>AQD Chief</i>
Message	Mr. Udom Bhatiyasevi <i>SEAFDEC Secretary-General</i>
AWARDING OF CERTIFICATES OF RECOGNITION / LOYALTY RINGS	<i>SEAFDEC Secretary-General, AQD Chief, and AQD Deputy Chief Yasuho Tadokoro</i>
To G. Genzola on his 25th year of service To employees on their 20th year of service To award-winning AQD researchers	
AWARDING OF CERTIFICATES OF APPOINTMENT TO NEW AQD SCIENTISTS	<i>SEAFDEC Secretary-General, AQD Chief, and AQD Deputy Chief</i>
Special Number	Bahandi Choir
Introduction of the Guest of Honor	Mr. David Gorres Sr, <i>AQD Consultant</i>
KEYNOTE ADDRESS	HON. WILLIAM DAR Secretary Department of Agriculture
Awarding of Certificate of Appreciation to the Keynote Speaker	<i>SEAFDEC Secretary-General and AQD Chief</i>
Awarding of Certificate of Appreciation to the past AQD Chiefs	<i>DA Secretary and SEAFDEC Secretary-General</i>
Closing Remarks	Mr. Yasuho Tadokoro
LUNCH	

Master of Ceremonies

Dr. Relicardo Coloso

Honorees during AQD'S 25th year anniversary

Loyalty Awardees

- 1 Ma. Eva Aldon
- 2 Lota Alpasan
- 3 Adelaida Arago
- 4 Amelia Arisola
- 5 Teodora Bagarinao
- 6 Didi Baticados
- 7 Orlando Beltran
- 8 Romeo Caturao
- 9 Corazon Cendaña
- 10 Rodolfo Dagohoy
- 11 Marietta Duray
- 12 Rolando Elizon
- 13 Fe Dolores Estepa
- 14 Ramon Evangelista
- 15 David Grio, Jr
- 16 Mario Jopson
- 17 Bernardo Lopez
- 18 Wilfredo Madjos
- 19 Erlinda Natividad
- 20 Magno Olpate
- 21 Editha Panes
- 22 Wilson Panoy
- 23 Ruby Salde
- 24 Salvador Tan
- 25 Perla Triño
- 26 Oscar Tupas

1997 Dr. Elvira O. Tan

Memorial Awardee

- 1 Alejandro Santiago and
Rene Arcilla

Special Awardee in the 1997 Elvira O. Tan Memorial Awards

- 1 Corazon Santiago and
Ofelia Reyes

2nd Prize in the Outstanding Industry and Energy Research (Visayas)

- 1 Nicolas Guanzon, Jr

New Scientist

- 1 Mae Catacutan

Senior Scientist

- 1 Anicia Hurtado-Ponce, Ph.D.

Honorees (AQD collaborators)

- 1 Felix Gonzales
- 2 Japan International
Cooperation Agency
- 3 Government of
New Zealand
- 4 International Development
Research Centre (IDRC)
of Canada
- 5 Dean Domiciano Villaluz
(posthumous)
- 6 Dr. Quiterio Miravite
(posthumous)
- 7 Mindanao State
University
- 8 University of the Philippines -
Brackishwater Aquaculture
Center
- 9 Municipality of Tigbauan
- 10 Ricardo Ealdama, Sr
(posthumous)
- 11 Arturo Tangco
(posthumous)
- 12 West Visayas Federation of
Fish Producers

Aquaculture Week '98

ACTIVITIES FOR ELEMENTARY AND HIGH SCHOOL STUDENTS

Coordinated by the AQD Museum and Biodiversity Garden

Teodora Bagarinao, Ph.D.

Museum Curator

6 July **Write a Fish Story** (contest for elementary grades IV- VI)

Draw a Fish Story (contest for elementary grades IV-VI)

7 July **Aquaculture for a Sustainable Future** (essay contest for high schools)

Ecosystems for FishWorld (illustrating museum exhibits contest, high schools)

8 July **Kids' Day and Films** (at the AQD Museum)

The AQD Museum will have hands-on exhibit of live, fresh, or preserved sharks, other fishes, snakes, turtles, crabs, shrimps, and shells that kids can touch, examine, and learn about.

Films will be shown at the adjoining RD AV-Room, as follows:

8 am *Fern Gully*

10 am *The Living Desert*

11 am *Ocean Explorations*

1 pm *The Coral Triangle*

2 pm *Swimming with Whales*

3 pm *Seasons in the Sea*

10 July **Kids' Day and Films** (as above)

CONTESTING SCHOOLS

Tigbauan Central Elementary School
Parara Elementary School
Buyuan Elementary School
Kinaadman Foundation Elementary School
Guimbal Central Elementary School
Nanga Elementary School

Tigbauan National High School
Parara National High School
Guimbal National High School

The AQD Museum and Biodiversity Garden is committed to environment education of the general public, especially young people. The Museum campaign for nature and biodiversity awareness and environment education has been intensified to involve more school children in more activities over a one-week period.

Aquaculture Week '98 focuses on promoting understanding appreciation of (i) marine ecosystems and biodiversity in general, (ii) aquaculture species in particular, and (iii) the importance of aquaculture to society. It aims to strengthen relations and understanding between SEAFDEC AQD and the neighboring communities -- through the school children.

(Inauguration, from page 10)



AQD also plans to reach the organized fry gatherers who can go into nursery cage and pond nursery culture using hatchery-reared fry, thereby increasing the value of their fingerling produce two-fold.

In line with this, AQD has implemented a pond cooperators program that demonstrates the viability of culturing hatchery-reared milkfish fry in ponds.

AQD's program on the *Accelerated Transfer of Milkfish Hatchery Technology* is gaining ground. Through this program, the backyard shrimp hatchery operators are encouraged to diversify into milkfish fry production. This is carried out by training the hatchery operators in AQD's facilities, after which they are given milkfish eggs to rear in their respective hatcheries. They sell the fry they produce while AQD researchers collect the production data. The results obtained by the cooperators so far are very encouraging.

The AQD Anniversary Committee

<i>Steering Committee</i>	AQ Hurtado-Ponce , LD de la Peña, JH Primavera, MT Castaños, N Ebron, A Lacuesta, SR Tillo
<i>Program</i>	AQ Hurtado-Ponce , RM Coloso, E Cruz-Lacierda, Ma R Luhan, R Saliente
<i>Invitation</i>	AQ Hurtado-Ponce , C Cendaña, MTR de Castro-Mallare, N Acdol, E Rodriguez, AMJ Ortiz
<i>DKV Memorial Lecture</i>	JH Primavera , V Alava, M Catacutan, D Baticados
<i>Awards</i>	A Lacuesta , C Pitogo, I Borlongan, C Animas, E Ledesma
<i>CD Rom Show & Exhibits</i>	LD de la Peña , JM Almendras, S Pagador, R Buendia, NJ Dagoon, D Miciano, N Golez, R Elizon, R Caturao
<i>Media Relations & Booklaunching</i>	M Castaños , CV Recio, R Fernandez, NJ Dagoon, M Surtida, E Aldon, L Plondaya, R Buendia, E Ledesma
<i>Medical/Dental Consultation</i>	A Lacuesta , E Natividad, All Medical & Dental Staff
<i>Mass</i>	A Lacuesta , R Mallo, N Teruel, R Ticar, P Garibay, L Gustilo, D Estenor
<i>Food/Finance</i>	N Ebron , N Bantillo, M de los Santos, J Perando, E Entusiasmo, Ma. A Tresvalles, R Traviña, EAJ Chavoso, L Alpasan, R Taleon, J Rillo, A Gelvezon, O Beltran, M Perono, G Patrona, A Cabrera
<i>Prizes</i>	A Lacuesta , G Genzola, A Arisola, D Tupas, T Garibay
<i>Accommodation</i>	N Ebron , E Parreñas, N Fernandez, G Pagador, S Gotera, R Tipawan, V Nemiz, R Eliseo, E Nieves, R Macainan
<i>Transportation, Security & Electrical Works</i>	SR Tillo , SJ Jaspe, LV Pineda, EL Tacuyan, A Talimay
<i>Physical Arrangement</i>	SR Tillo , R Tenedero, J Aquino, R Baldonado, MJ Jopson, R. Traviña, E Tamon, N Patino, E Luzung, H Terunez
<i>Sound/Video-Photography</i>	SR Tillo , I Tendencia, ZT Suriaga, E Gasataya, R Buendia
<i>Ushers / usherettes</i>	MRJ Luhan , C Estudillo, J Damaso, Y Primavera, A Sim, W Mamauag, T Gelvezon

This souvenir program is produced by the Development Communication Unit, Training and Information Division, SEAFDEC / AQD.

Design of the anniversary logo: N Golez

Tigbauan Main Station
SEAFDEC Aquaculture Department
Tigbauan, Iloilo, Philippines

LEGEND:

- 1 AD-RD GARAGE
- 2 BASKETBALL COURT
- 3 MEDICAL & DENTAL CLINIC
- 4 TID CONFERENCE ROOM
- 5 VOLLEYBALL COURT
- 6 RD LOBBY
- 7 TID QUADRANGLE
- 8 AD LOBBY
- 9 RD COMPUTER ROOM

-  PROPOSED SITE OF FISHWORLD
-  SITE OF THE INTEGRATED FISH BROODSTOCK & HATCHERY PILOT DEMONSTRATION COMPLEX

