

**REPORT OF THE REGIONAL SHORT-TERM TRAINING COURSE  
IN PURSE SEINE FISHERIES**

**7 March to 7 April 1995**

by

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Course Coordinator**



**SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER  
TRAINING DEPARTMENT**

**TD/RP/35**

**April 1995**

*SEAFDEC*

*TD/RP/35*

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# C O N T E N T S

	<b>Page</b>
Introduction .....	1
Objectives .....	1
Training Subjects .....	2
Training Programs.....	2
Evaluation .....	3
Closing Ceremony.....	4
Conclusion .....	4
 <b>Annexes</b>	
A. List of participants .....	5
B. Course Program.....	8
C. Evaluation Results .....	11
D. Result for Purse Seine Fisheries Training Course.....	16
E. Recommendation by the country representative .....	18

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## I. Introduction

The Regional Short-term Training Course in Purse seine fisheries was conducted by the Training Department from 7 March to 7 April 1995.

The aim of the course was to provide new technology of purse seine operation to the fisheries officers at regional level in order to sustain the pelagic resource exploitation and the development of purse seine fishing industries.

Invitations for the nomination of participants were sent to eight countries, namely India, Brunei, Maldives, Malaysia, Myanmar, the Philippines, Srilanka, Vietnam and Thailand. Seven Countries responded and the eventual number of participants were as follows;

India	1
Maldives	1
Malaysia	3
Myanmar	2
Philippines	3
Srilanka	1
Vietnam	3
Thailand	2
Total	<b>16</b>

## II. Objectives

The objectives of the training course were:

1. To introduce new technology of purse seine operation;
2. To train trainees in using the hydroacoustic navigation and oceanographic equipment, refrigeration technology, hydraulic deck machinery for purse seine; and
3. To provide intensive practice experience through shipboard training.

### **III. Training Subjects**

1. Present day purse seine fisheries
2. Coastal purse seine net and fishing methods
3. Tuna purse seine and fishing methods
4. Hydroacoustic equipment for tuna purse seining
5. Oceanography for tuna purse seining

### **IV. Training Programs**

Training was given at the Training Department with all facilities and resources of the Department fully utilized. The regular session started at 0900 hrs. on weekdays with classroom lectures and discussions which took place until 1630 hrs. Also, the shipboard training programs were given by using M.V. PLATOO and M.V. SEAFDEC. The training programs were carried out by the following:

#### **4.1 The first-part of the training period (10 days)**

In the first two-days of the sessions, lectures on coastal purse seine net and fishing methods, followed by practical experiences on shipboard training M.V. PLATOO in luring light coastal purse seine operation, sonar, echo-sounder and electronic equipment operation in the area of Banphe, Rayong province.

#### **4.2 The last-part of the training period (15 days)**

In the first three-day of this sessions, lectures on Tuna purse seine and fishing method, Hydroacoustic equipment and Oceanography for tuna purse seining were given. Followed by practical experience on shipboard training M.V. SEAFDEC in tuna purse seine, echo sounder and electronic equipment,hauling devices and deck machinery, Navigation equipment and oceanographic equipment operation,also fish handling and refrigeration systems, in the area of Indian Ocean.

During this program, a study trip to the Southern part of Thailand was also carried out for related placed, fishing port, fishing village, marine fishery institute, etc.

## V. Evaluation

The course evaluation was made by all participants who generally agreed that the course met their expectations. The evaluation results are given in appendix C, and conclusions from the day of evaluation meeting are as follows:

### 5.1 Lectures and discussions on shore

Most of the participants felt that more time should be given to lecture sessions, one Malaysian suggested to have more lectures on Hydroacoustic & Electronic equipments because it can be directly applied to their practical work. Also, lectures on purse seine net construction both actual and model should be 2-3 days.

### 5.2 Shipboard training M.V. PLATOO

The demonstrations were carried out but caught few fish, the participants suggested that a better catch may be possible using coastal purse seining.

### 5.3 Shipboard training M.V. SEAFDEC

The participants suggested to have more time on board M.V. SEAFDEC should be given particularly in Navigation and electronic equipment or duty on bridge.

For the living on board M.V. SEAFDEC, the participants suggested that will be better to have more fresh fish/improving menu for them.

### 5.4 Living at the Dormitory

The suggestions from the participants living at the dormitory were;

- to provide an International Telephone with card-phone facilities,
- To provide better street lighting along SEAFDEC/TD.

## **VI. Closing Ceremony**

The closing ceremony of the Regional short-term training course in purse seine fisheries was held at the Mariotte Royal River Side in Bangkok on 7 March 1995.

## **VII. Conclusion**

In general, it can be considered that all the objectives of the training course were achieved.

Participants were satisfied with their one month of training and agreed that the course had imparted a valuable knowledge that could be applied to their work.



**List of participants****INDIA**

1. Mr. P.K. Pandey  
Scientist  
Central Institute of  
Fisheries Education  
Bombay, India

**MALDIVES**

1. Mr. Mohamed Didi  
Chief Skipper  
Maldives Industrial  
Fisheries Co., Ltd.  
c/o Ministry of Fisheries and  
Agriculture, Male  
Republic of Maldives

**MALAYSIA**

1. Mr. Pang Choo Tiong  
Fisheries Officer  
Pejabat Perikanan Negeri  
Pinang 11960, Batu Maung  
Pinang, West Malaysia
2. Mr. Deris Bin Hussien  
Fisheries Officer  
Pejabat Perikanan Daerah  
Lang Kawi, Kuah 07000  
Langkawi, Kedah  
West Malaysia
3. Mr. Jamal Bin Manap  
Fisheries Officer  
Pejabat Perikanan Paerah  
Komplek Perikanan Seberang  
22200 Besut, Terengganu  
Malaysia

**MYANMA**

1. Mr. Tint Wai  
Assistant Staff Officer  
Department of Fisheries  
654 Merchant Street,  
Yangon, Myanmar

2. Mr. Wunna  
Deputy Staff Officer  
Department of Fisheries  
654 Merchant Street,  
Yangon, Myanmar

**PHILIPPINES**

1. Mr. Fileonor O. Eleserio  
Aquaculturist II  
Bureau of Fisheries & Aquatic Resources  
860 Arcadia Bldg., Quezon Avenue  
Quezon City, Philippines
2. Mr. Bernardo B. Apigo  
Aquaculturist II  
Department of Agriculture  
Regional Field Office No. 1  
San Fernando, La Union  
Philippines
3. Mr. Carlito G. Pilante  
Aquaculturist II  
Department of Agriculture  
Regional VIII, Tacloban City  
Leyte, Philippines

**SRILANKA**

1. Mr. H.T. Karunasena  
Boat Operator  
Fisheries Training Center  
Ministry of Fisheries & Aquatic  
Colombo - 10, Sri Lanka

**VIET NAM**

1. Mr. Nguyen Van Ban  
Technician  
Department of Fishery of Nghe An  
Truong Thi Quater, Vinh  
Nghe An, Vietnam
2. Mr. Nguyen Van Dan  
Technician  
Department of Fishery of Nghe An  
Truong Thi Quater, Vinh  
Nghe An, Vietnam



3. Mr. Le Nhu Vy  
Technician  
Department of Fishery of Nghe An  
Truong Thi Quater, Vinh  
Nghe An, Vietnam

**THAILAND**

1. Mr. Sutee Kurkate  
Teacher  
Chumpornketudomsak Fisheries College  
Lungsum, Chumporn 86220  
Thailand
2. Mr. Nikorn Nakdet  
Fisheries Officer  
Marine Fisheries Division  
Department of Fisheries  
Kasetsart University Campus  
Phaholyotin Road  
Bangkok 10900, Thailand

**Program of the Regional Short-term Training Course  
in  
Purse seine Fisheries during 7 March - 7 April 1995**

DATE	TIME	ACTIVITIES & SUBJECTS
7 March 1995 (Tue.)	1000-1200 hrs.	Opening Ceremony <i>(Dr. Maitree Duangawasdi)</i>
	1330-1630 hrs.	Course orientation and tour of Training Department <i>(Messrs. Bundit Chokesanguan and Worawit Wanchana)</i>
8 March 1995 (Wed.)	0900-1200 hrs.	Present day purse-seine fisheries <i>(Mr. Bundit Chokesanguan)</i>
	1330-1630 hrs.	Coastal purse seine net and fishing method <i>(Mr. Aussanee Munprasit)</i>
9 March 1995 (Thu.)	0900-1500 hrs.	Coastal purse seine net and fishing method <i>(Mr. Aussanee Munprasit)</i>
	1530-1630 hrs.	Cruise orientation and preparation for shipboard training on M.V. PLATOO <i>(Messrs. Bundit Chokesanguan, Aussanee Munprasit and Worawit Wanchana)</i>
10 March 1995 (Fri.)	0900 hrs.	Participants leave SEAFDEC/TD for Ban Phe, Rayong Povince by bus
11-13 March 1995 (Sat. - Mon.)		All participants on board M.V. PLATOO for shipboard training in: 1. Luring light purse seine operation 2. Sonar, echo-sounder and electronic equipment operation

DATE	TIME	ACTIVITIES & SUBJECTS
14 March 1995 (Tue.)	1200 hrs.	Participants return to SEAFDEC/TD by bus
15 March 1995 (Wed.)	0900-1200 hrs.	Discussion on the shipboard training of M.V. PLATOO and its application <i>(Messrs. Bundit Chokesanguan, Aussanee Munprasit, Worawit Wanchana and Isara Chanrachkij)</i>
	1330-1630 hrs.	Tuna purse seine and fishing method <i>(Mr. Aussanee Munprasit)</i>
16 March 1995 (Thu.)	0900-1630 hrs.	Tuna purse seine and fishing method <i>(Mr. Aussanee Munprasit)</i>
17 March 1995 (Fri.)	0900-1200 hrs.	Hydroacoustic equipment for tuna purse seining <i>(Dr. Yuttana Theparoonrat)</i>
	1330-1630 hrs.	Oceanography for tuna purse seining <i>(Mr. Warawit Wanchana and Ms. Penjan Rojana-anawat)</i>
18 March 1995 (Sat.)	0700 hrs.	Participants leave SEAFDEC/TD for Phuket by bus
19 March 1995 (Sun.)		Arrive Phuket and prepare for shipboard training on M.V. SEAFDEC
20 -30 March 1995 (Mon. - Thu.)	0830 hrs.	All participants on board M.V. SEAFDEC for shipboard training in: <ol style="list-style-type: none"> <li>1. Tuna purse seine operation</li> <li>2. Echo-sounder and electronic equipment operation</li> <li>3. Hauling device and deck machinery operation</li> <li>4. Navigation equipment operation</li> <li>5. Oceanographic equipment operation</li> <li>6. Fish handling and refrigeration</li> </ol>

DATE	TIME	ACTIVITIES & SUBJECTS
31 March 1995	0900-1200 hrs.	Discussion on the shipboard training of M.V. SEAFDEC and its application <i>(Messrs. Aussanee Munprasit, Takao Ito, Jo Fukui, Capt. Sutee Rajruchithong and Worawit Wanchana)</i>
	1300 hrs.	All participants disembark M.V. SEAFDEC at Panwa cape
	1400-1530 hrs.	Visit Phuket Marine Fisheries Biological Center
	1630 hrs.	Stay overnight at Phuket
1 April 1995 (Sat.)	0800 hrs.	Leave Phuket for Chumporn and stay overnight at Chumporn
2 April 1995 (Sun.)	0730 hrs.	Leave Chumporn for SEAFDEC/TD
3 April 1995 (Mon.)		Preparation for leaving
4 April 1995 (Tue.)		Excursion programs to - Samutsakorn Fish Market - Mahachai Dockyard - Floating Market
5 April 1995 (Wed.)		Excursion programs to Bangkok
6 April 1995 (Thu.)		FREE
7 April 1995 (Fri.)	0900-1200 hrs.	Course Evaluation <i>(Messrs. Bundit Chokesanguan and Worawit Wanchana)</i>
	1700-2100 hrs.	Closing Ceremony <i>(Dr. Mitree Duangsawasdi)</i>

## Evaluation Results

### Part I. Evaluation for Participants expectations.

#### 1.1 Why did you attend the training course?

Enhance the knowledge of fishing technology : (16)

#### 1.2 Before attending this training course, did you have experience concerning the course

yes	:	(10)
no	:	(5)
no answer	:	(1)

if the answer is yes, how long have you worked in fisheries?

under 1 year	:	(1)
under 3 years	:	(1)
under 7 years	:	(2)
> 7 years	:	(7)
no answer	:	(5)

#### 1.3 Did the course met your expectation?

yes	:	(16)
no	:	(0)

#### 1.4 What is the most suitable time for you to attend the course?

in the early year	:	(8)
in the mid year	:	(3)
in the late year	:	(0)
any time	:	(5)

#### 1.5 Would you recommend this type of training course to your colleagues?

yes	:	(11)
no	:	(0)
not sure	:	(3)
no answer	:	(2)

1.6 What is the major assignment of your official duty?

Supervision	:	(4)
Teaching	:	(4)
Management	:	(6)
Chief skipper	:	(1)
no answer	:	(1)

1.7 For whom, do you think this course was designed?

for someone with your experience	:	(5)
for someone with less experience than you	:	(3)
for someone with more experience than you	:	(5)
no answer	:	(3)

1.8 Any other expectation about the course.

no idea	:	(7)
yes, please specify	:	(8)
no answer	:	(1)

**Part II.** Training program and activities.

How do you evaluate, over-all, the program and activities.

	Excellent	Satisfactory	Poor
2.1 Orientation program	(7)	(9)	
2.2 Lecture on shore	(5)	(10)	(1)
2.3 Shipboard Training on M.V. PLATOO	(3)	(13)	
2.4 Shipboard Training on M.V. SEAFDEC	(6)	(10)	

Please evaluate the above items in detail,

2.1 Lectures on shore

2.2.1 Duration

too short	:	(5)
appropriate	:	(9)
too long	:	(0)
no answer	:	(2)

2.2.2 Were all the topics relevant to the course?

yes	:	(15)
no	:	(0)
no answer	:	(1)

2.2.3 Do you think any other subject should be covered in the course?

no : (11)

yes : (3)

yes please specify

- Designing and mending purse seine net (3)

2.2.4 How do you evaluate the following

too much good insufficient no answer

a) Reference books (16)

b) Hand-out (15) (1)

c) Audio-visual aids (4) (12)

excellent good insufficient no answer

d) Instructors (3) (10) (1) (2)  
Knowledge

e) Discussion site (2) (13) (1)

f) Additional knowledge (5) (8) (1) (2)

2.2.5 Please give your suggestions for improving the lectures on shore.

- Navigation and seamanship should be included (2)

- Actual fishing gear design and construction (1)

- Language barrier between instructors and participants should be decreased (1)

2.3 Shipboard training on M.V. PLATOO

2.3.1 Duration

too short : (2)

appropriate : (14)

too long : (0)

2.3.2 Were all the topics relevant to the cruise on M.V. PLATOO?

yes : (13)

no : (0)

no answer : (3)

**Part III. Training Department services and facilities.**

How do you evaluate over-all the following services and facilities?

	excellent	good	insufficient	no answer
3.1 Accommodation and living at Dormitory				
a) Bed room	(3)	(13)	(0)	
b) Lavatories	(3)	(13)	(0)	
c) Canteen facilities				
- Food services	(5)	(11)	(0)	
- Food qualities	(3)	(12)	(1)	
- Variety of food	(2)	(12)	(2)	
- Cleanliness	(4)	(12)	(0)	
d) Water supply	(5)	(11)	(0)	
e) Lighting	(5)	(11)	(0)	
f) Sport & Recreation	(4)	(11)	(1)	
3.2 Lecture room	(7)	(9)	(0)	
3.3 Library	(3)	(13)	(0)	
3.4 Medical	(4)	(11)	(0)	(1)
3.5 Mail	(3)	(13)	(0)	
3.6 Telephone	(3)	(9)	(3)	(1)
3.7 Other suggestion for SEAFDEC services and facilities.				
- A Coffee corner should be provided at the dormitory on days-off.				(1)
- The weekend should be free/holiday.				(1)
- An International public telephone should be installed.				(3)
- Street lighting in front of SEAFDEC/TD should be installed.				(2)



## Result for Purse Seine Fisheries Training Course

7 March - 7 April 1995

a) Participants expectations:

Generally, this background of the participants had more than 7 years experience concerning the subjects of this course, and all participants agreed that the course met their expectations.

The most suitable time for them to attend this kind of the training course would be early in the year (50%)

b) Training program and activities.

- Lectures on shore

All the participants agreed that the subjects of the lecture on shore are relevant to the course and the duration was suitable. Some of the participants suggested adding more subjects into the course such as Designing and mending purse seine nets, Navigation and seamanship.

- Shipboard training on M.V. PLATOO

All the participants agreed that the topics of the shipboard training on M.V. PLATOO were relevant to the course, and the duration was suitable.

Practical demonstrations and applications were good, only 3 participants suggested that more practical rather than simple demonstrations be given.

Living and services on M.V. PLATOO were satisfactory for the participants

- Shipboard training on M.V. SEAFDEC

All the participants agreed that the topics of shipboard training on M.V. SEAFDEC were relevant to the course, 25% of the participants suggested that the duration of this shipboard training was too long. They also suggested to have more activities for on board training.

Practical demonstrations, application, living and services on M.V. SEAFDEC were very good. Two participants suggested that transportation for the shipboard training on M.V. SEAFDEC should be arranged by airplane.

- Training Department services and facilities

Accommodation and living at the Dorm. were satisfactory for all the participants, only two participants suggested the canteen food quality and variety of food should be changed.

The SEAFDEC office services and facilities were good, only three participants suggested that an international public telephone should be installed.



## **Recommendation by the country representative**

### **1. India (1 person)**

He has been engaged in teaching in the field of fishery for 7 years. This course met his expectation. All training programs, activities, services and facilities were satisfactory for him. His recommendation emphasizes on the practical activities of the training program should be more practical than the simple demonstrations and more chance to handle and use which electronic equipment during shipboard training programs.

### **2. Maldives (1 person)**

He has been working with fish processing vessels as a chief skipper . The most interesting subject for him is Navigation and need longer lectures on shore in each subject. Two cruises of shipboard training duration were appropriate for him. Others training programs, activities, services and facilities were satisfactory. Recommended that a coffee corner at the Dorm. during rest day should be provided.

### **3. Malaysia (3 persons)**

All three have been working in the field of fisheries with more than 10 years experience, all found it of interest and met their expectations on the purse seine course. Two of them are interested about more lectures on Hydroacoustic equipment and explanations before shipboard training, also shipboard training on M.V. SEAFDEC should have more activities. Other comments on the installation of a public international-telephone at the Dorm.

### **4. Myanmar (2 persons)**

Two of them are beginners in the field of fishery management. Both of them satisfied about all the training programs, activities, services and facilities.

### **5. Philippines (3 persons)**

All of three have been working in the field of fisheries with about 10 years experiences . Two of them suggested that this course was designed for those who are less experienced than they. They Suggested that there is a language barrier between SEAFDEC instructors and the participants that reduced the effectiveness of the lectures. They need Navigation and seamanship, and the design of purse seine nets.

Shipboard training on M.V. PLATOO should be conducted with real fishing, no matter it this means a longer period at sea. The purse seine operation by M.V. PLATOO

should be conducted by using payao.

Travelling to and from SEAFDEC should be by aeroplane

Others suggestions were for food services at Dorm. Which Should be provided to suit the needs of the participants. One of them suggested that the knowledge of instructor is insufficient.

#### **6. Srilanka (1 person)**

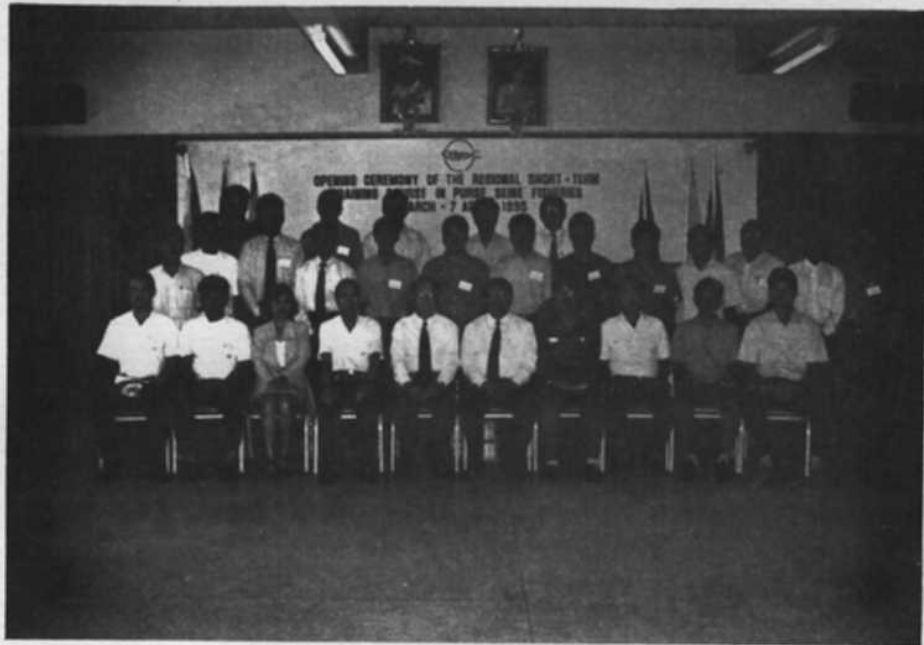
He has been working in the field of fishery for 10 years. The course met his expectations. He would like to have more knowledge on actual construction of the purse seine nets and their design, navigation and seamanship, practical work on fish species identification. All the training programs, activities, facilities and services are satisfactory, he only commented about the length of journey to join M.V. SEAFDEC which should be arranged by aeroplane.

#### **7. Vietnam (3 persons)**

For the Vietnamese questionnaire results were very rare because of lack of English. So, all of them were satisfied with this training course.

#### **8. Thailand (2 persons)**

Two of them have no experience concerned with fishing technology until now, they took their chance to enhance their knowledge about the fishing technology of purse seine fisheries. All the programs, activities, facilities and services were satisfactory, But English communication must be taken into consideration during this training course.



**Fig. 1 Opening Ceremony of the course**



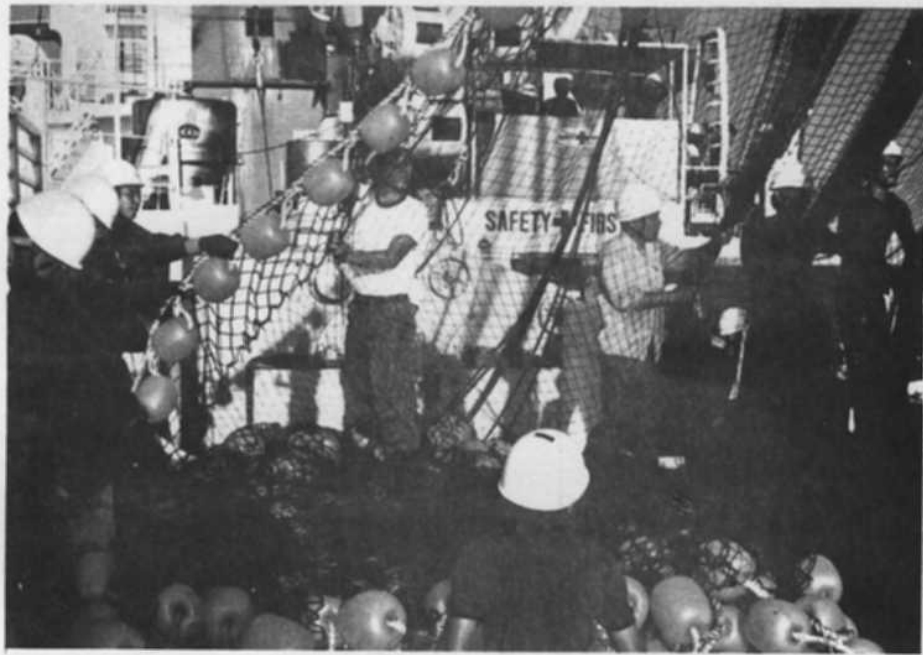
**Fig 2 Orientation and discussion in class.**



**Fig. 3 Visited Phuket fishing port**



**Fig. 4 Tuna school searching on M.V. SEAFDEC**

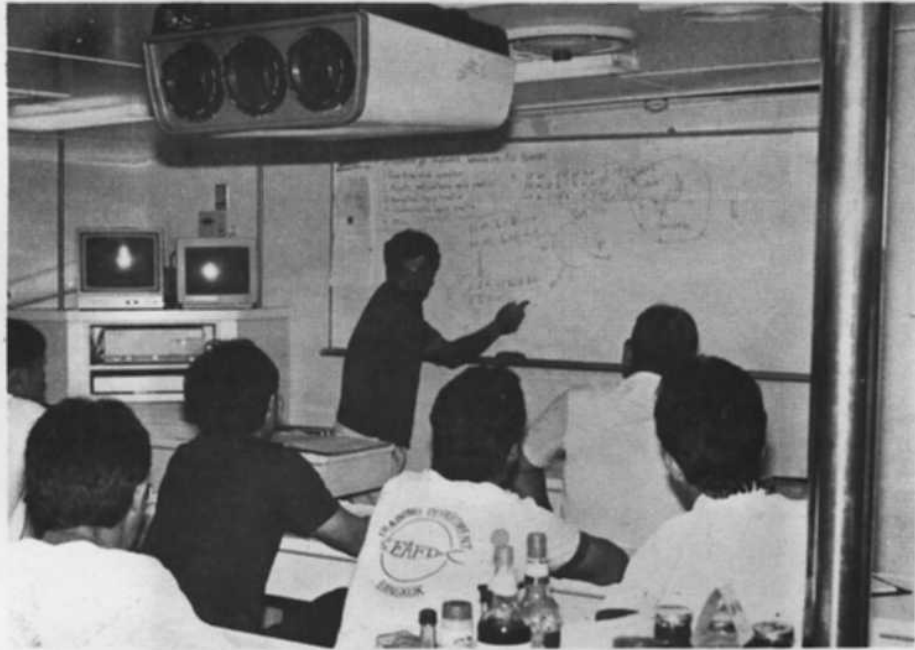


**Fig. 5**



**Fig. 6**

**Fig. 5-6 Tuna purse seine fishing operation on M.V. SEAFDEC**



**Fig. 7 Discussion on Tuna Purse seine fishing operation by Masterfisherman.**



**Fig. 8 Navigation practice on M.V. SEAFDEC**

