TD/RP/18

January 1987

REPORT ON THE SEVENTH REGIONAL TRAINING COURSE FOR

FISHERY EXTENSION OFFICERS IN MARINE CAPTURE FISHERIES
5 November to 19 December 1986

Submitted by

the Training Department Southeast Asian Fisheries Development Center

to

the Royal Government of the Netherlands

691(1)

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2. To familiarize the participants with extens NOITOUGOTHI .I

The Training Department has conducted regional training courses for fishery extension officers since 1981, with assistance from the Royal Netherlands Government under the SIR Program. Six training courses with a total of 140 fishery officers from the countries in the South and Southeast Asian regions, were organized by the Department between 1981 and 1985.

Under its program for 1986, the Training Department organized the Seventh Regional Training Course for Fishery Extension Officers from 5 November to 19 December 1986. The emphasis of this course was placed on marine fishing technology which is of great importance to the countries in the South and Southeast Asian regions.

Invitations to nominate participants to the seventh training course were sent to eleven countries i.e., Bangladesh, Brunei, Burma, India, Indonesia, Maldives, Malaysia, Philippines, Singapore, Sri Lanka and Thailand. Eight countries responded and sent participants to attend the course:

Brunei	1 p	Fishing year in	
India	2	Fishing gear de	1.4
Indonesia	1	on read Sermer;	-,-
Malaysia	4	Fishing methods	1.5
Philippines	Tool4 po	Auxillary fishi	1,6
Singapore	2	tal Mavigation a	COAS
Sri Lanka	2	111111111111111111111111111111111111111	
Thailand	did.	Determination o	2,1
Total	_20	Chart reading	

The list of participants and instructors is given as Annex A.

Extension methode:

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II. OBJECTIVES OF THE COURSE

The objectives of the Seventh Regional Training Course for Fishery Extension Officers were:

 To train the fishery officers and fishery extension workers in the basics of marine fishing technology, coastal navigation and seamanship;

- 2. To familiarize the participants with extension methodology, as well as the development of communication and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services; and a participant and media design for extension services.
- 3. To provide shipboard training and study/observation trips for participants on the actual marine fishing practice and on infrastructures required for the development of fisheries.

Under its program for 1985, the Training Dogminson assured

The curriculum of the Seventh Regional Training Course consisted of the following five subjects for classroom study and field practice:

1. Fishing Technology (12 days; classes and practice)

the course:

India, Indonesia, Maldives, Malaysian generalization, States and sent participants to attend

cleven countries L.e., Eangladesh, Brumei, Burney,

- 1.2 Fishery oceanography
- 1.3 Fishing gear in general
- 1.4 Fishing gear design and construction
- 1.5 Fishing methods
- 1.6 Auxiliary fishing gear and equipment
- Coastal Navigation and Seamanship (4 days)
 - 2.1 Determination of ship's position
 - 2.2 Chart reading
 - 2.3 Seamanship
- Extension methodology (6 days)
 - 3.1 Planning process in extension work
 - 3.2 Development of communication and media disign
- 4. Shipboard training on board M.V. PAKNAM and M.V. PLATOO

 (10 days) steeps applicated principle and an acceptable and an acceptable and acceptable acceptable and acceptable acceptable acceptable and acceptable accepta
 - 4.1 Trawl net
 - 4.2 Bottom vertical longline

2. Field Trips

- 4.3 Marlin longline
- Various places related to Fishing activities such as fishing villages in the provinces of Samu principal deal 4.4 confices and
- Isymmy fishing communities, with and without cooperatives; fish marketer
 - 4.6 Squid fishing
 - B Movember 1986 : 8600-1000 Vinted Fish Marketing Organization 8 a surraint gill net sension at (OVI)
 - 4.8 Navigation and seamanship
 - 5. Study and observation trips (6 days)
 - 5.1 Fish Marketing Organization
 - 5.2 Fishing port san puldal
 - 5.3 Fish processing plants
 - 5.4 Net-making factory
 - a ni and bus senibras lo sessuiq points offi borist sens S.5. Shipyard mas as victory and names
 - sorivor; mandated tumas to system equipment estrated as
 - 5.7 Fishing villages

IV. TRAINING, PROGRAM or the tight of Controls favor to the local line market, or controls as

1. Lectures and Practices

being fully utilized, both ashore and at sea (see Training Schedule in Annex B). In general, the daily training began at 0900 hrs. on weekdays with classroom lecture and discussion till 1200 hrs. For the afternoon session, either the continuation of class lecture, workshop practice at net loft, experiment or testing at laboratory from 1300-1600 hrs., was conducted. Lectures on theoretical subjects were occasionally followed either by demonstration in the workshop, on board the training vessel, or by field trips to relevant places, such as net-making factory, canning factory, cold storage, etc. Ten days were spent at sea on board M.V. PAKNAM, the 380 GT trawler, and M.V. PLATOO, the 67 GT purseseiner, of the Training Department, to practise the fishing gears operation, navigation and seamanship (see Annex C for reference books and lecture notes employed in the course).

23 Movember 1986 : 0900 : By SEASDEC bus to Prasse Estimary, Anyong

Field Trips

Various places related to fishing activities such as fishing villages in the provinces of Samut Sakhon, Samut Songkram and Rayong; fishing communities, with and without cooperatives; fish markets; fish processing plants in Bangkok and Samut Prakarn, a net-making factory, a cold storage plant, etc., were visited as follows:

- 8 November 1986 : 0600-1000 : Visited Fish Marketing Organization (FMO) in Bangkok, Briefing of the Organization's activities was given by the Deputy Director of FMO, who kindly took participants around to observe the fish landing and auction system of the fish market.
 - : 1000-1200 : Visited Siam Brothers Co., Ltd., a net-making factory at Phra Pradaeng, Samut Prakarn, to observe the entire process of manufacturing fishing nets, i.e., twine making, net weaving, net cutting, etc. The participants much appreciated the manager's willingness to transfer knowledge.
- 15 November 1986 : 0630-1600 : Visited the fishing port and observed the canning process of sardines and tuna in a canning factory at Samut Sakhon province. Visited a fisheries cooperative of Samut Songkhram province to observe fish landing places owned by cooperatives and discussed the matter with a member of the cooperatives' Committee.
- 22 November 1986: 0900: By SEAFDEC bus to Prasae Estuary, Rayong province, to visit a fishing port, the Fishermen's Association, and the local fish market. Observed the local purse seiners, types and sizes of purse seines in use, crab gill net and squid lift net. Participants were also taken to a shrimp farm and fish farm (sea bass and grouper), a slip-way for the repair of local fishing boats, and an engine repair workshop. Overnight at Rayong.
- 23 November 1986 : 0800 : Visited Ban Phe fish market to observe
 the auction of squid, the local processing of
 dried squid and the fish meal plant. Left Rayong
 at 1000 for Pattaya in Chonburi province to visit
 the fishing port, the Marine Science Center of
 Srinakarinwirot University at Bang Saen and its
 aquarium and Marine Science Museum. Returned to
 the Center at 1730 hrs.

3. Shipboard Training at Sea: A ten-day shipboard training in fishing operations and coastal navigation was carried out on board M.V. PAKNAM, the 380 GT trawler and M.V. PLATOO, the 67 GT purse seiner. The cruising area was the Gulf of Thailand off the Province of Rayong.

M.V. PAKNAM left the pier on 1 December 1986, as scheduled, and headed to Rayong where all participants embarked on M.V. PLATOO. Purse seining, squid fishing and drift net fishing operations were demonstrated on 2 and 3 December. From 4 December all participants rejoined M.V. PAKNAM and headed for the selected fishing grounds. On the way, practice on fishing operations and coastal navigation were conducted a alternately. All participants took part in the daily activities and were encouraged to prepare fishing gears themselves in order to find out if they worked well or needed adjustment. Coastal navigation was practised during sailing time, or during fishing operations, when there were idle periods between casting the nets and hauling them in. Both daytime and night-time fishing operations were carried out regardless of the normal rest periods. M.V. PAKNAM arrived at SEAFDEC pier at 1000 hrs. on 10 December 1986.

V. EVALUATION

Generally speaking, the end of course evaluation, in which the participants cooperated by answering a questionnaire, proved to be constructive. Most of them were in favour of the present training arrangements. The results of this inquiry are shown in Annex D.

The majority to participants agreed that the course was beneficial to extension work, but noted that more time should be dedicated to extension methodology, especially in development of communication and media design. They also suggested more practice in the workshop.

In view of the comments and suggestions received, some slight modifications of the living conditions at the SEAFDEC Training Department's dormitory as regards food and beverages and difficulties of communication with dormitory staff and security guards will be considered for future courses.

VI. CONCLUSION

In general, it can justly be considered that all the objectives of the training were achieved. Participants were satisfied with their six-week stay and training at the SEAFDEC Training Department. They all agreed that the course had provided valuable knowledge for the

work of an extension officer. Although some of the participants were not directly concerned with extension services when they joined the course, they expressed the view that the knowledge gained was beneficial and could be applied not only to the field of fisheries extension but also to their present work.

To conclude this report, it can be said that the Seventh Extension Course was conducted satisfactorily, all the objectives having been achieved.

rejoined M.V. PARGAN and norded for the sainched fishing grounds for the way, practice on fishing operations and comercial saviention was adjusted a siternately. All participants book part to the doct adjusted a siternately. All participants book part to the doct of adjusted and ware encouraged to propage fishing quant themselves order to find out if they worked well or medded adjusted to an avigation was practiced during dailing time, or during fishing parations when there were talls particle between costing the dating from the Book during light-time fishing operations were continued out regardless of the normal rest periods. M.V. PARGAN nursed . STALDED giver at 1800 hrs. on 10 herember 1986.

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Annex A

MALAYETA

PRILIPPINES

LIST OF PARTICIPANTS AND INSTRUCTORS

Mr. Hamzah K.C. Absmeu Fisheries Assistant Fisheries Department Sth & 9th Floor, Wisma Tani

Jalan Mahameru Socia, Kuala Lumpu

50628, Kuala Lumpur

Mr. Kapri Bin Salleh

Pisheries Assistant

Malaysia

1. Mr. Ajamain Bin Haji Sawal
Assistant Fisheries Officer
Department of Fisheries
Ministry of Development
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Bandar Seri Begawan
Negara Brunei Darussalam

INDIA

BRUNEI

Participants

1. Mr. P. Ramanujan
Instructor (General)
Central Institute of Fisheries
Nautical & Engineering Training
Fishing Harbour
Visakhapatnam - 53001
India

9th & 9th Floor, Wisma Tank

 Mr. Sebastian De Gonzaga Head, Integrated Fisheries Project Ministry of Agriculture Cochin, India

INDONESIA

1. Mr. Tyas Budiman
Sub-directorate of
Fishing Productivity
Directorate General of Fisheries
Salemba Raya 16
Jakarta
Republic of Indonesia

Mr. Jeafar B. Kimps Supervising Fishery Extension Specialist Bureau of Fisheries and Aquacic Resources R.T. Lim Boulevard Lemboanga City, Philippines MALAYSIA

A xecna

1. Mr. Hamzah K.C. Ahammu Fisheries Assistant Fisheries Department 8th & 9th Floor, Wisma Tani Jalan Mahameru 50628, Kuala Lumpur Malaysia

Participants

DESTRUCT

AIGRI

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Resources
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2. Mr. Jaafar B. Kimpa
Supervising Pishery Extension Specialist
Bureau of Fisheries and Aquatic Resources
R.T. Lim Boulevard
Lamboanga City, Philippines

Cochin, India

PHILIPPINES

3. Mr. Juanito C. Dasilao, Jr.
Fishery Technologist
Bureau of Fisheries and Aquatic Resources
Magsaysay Avenue
Davas City, Philippines

CHAILART

4. Mr. Antonio C. Calisin

Fishery Biologist

Bureau of Fisheries and Aquatic Resources
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Philippines

Rajdameern Avanue Hanglock 10200

SINGAPORE

- 1. Mr. Loke Kim Guan
 Assistant Primary Production Officer
 Department of Primary Production
 Maxwell Road
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- 2. Mr. Ng Hong Nam
 Assistant Primary Production Officer
 Department of Primary Production
 Maxwell Road
 Singapore

SRI LANKA

1. Mr. Ariyatilaka Nerangan Chandradithya
District Fisheries Extension Officer
Ministry of Fisheries

Yammaga, Banqkok 19720

2. Mr. Azeez Mohamed Mansoor
Fisheries Inspector Grade I
District Fisheries Extension Office
Trincomalee
Sri Lanka

Rama IV sead, Barrakok (Ober

THAILAND

- 1. Mr. Kanit Naksung
 Extension Officer
 Fishery Extension Division
 Department of Fisheries
 Ministry of Agriculture and Cooperatives
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- 2. Mr. Sutap Vattanapanich
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 - 4. Mr. Pinit Thongchit
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 Marine Fisheries Division
 Department of Fisheries
 89/1 Soi Sapanpla
 Yannawa, Bangkok 10120

Discrict Vicheries Extension Officer

SEI LARKA

SHILLING

STRUBERS

B. Instructors dilberbased deposite washinging . TM

I. TRAINING DEPARTMENT STAFF

1. Mr. Kazuo Inoue
Deputy Secretary-General and Deputy Chief
of the Training Department
Southeast Asian Fisheries Development Center
Liaison Office of the Secretariat and the
Training Department
956 Olympia Building, 4th Floor
Rama IV Road, Bangkok 10500

- Mr. Somyos Soodhom Head of Training Division SEAFDEC Training Department P.O. Box 13-4, Phra Pradaeng Samut Prakarn 10130
- 3. Mr. Prasert Masthawee
 Head of Fishing Technology Section
 Training Division
 SEAFDEC Training Department
- 4. Mr. Somnuk Pornpatimakorn
 Head of Training Aids Unit and
 Instructor of Fishery Oceanography
 Training Division
 SEAFDEC Training Department
- 5. Mr. Masato Oishi
 Masterfisherman and Instructor
 of Navigation
 Training Division
 SEAFDEC Training Department
- Mr. Yutaka Matsunaga Instructor of Fishing Gear Technology Training Division SEAFDEC Training Department
- 7. Mr. Bundit Chokesanguan
 Instructor of Fishing Gear Technology
 Training Division
 SEAFDEC Training Department
- 8. Mr. Kungwan Juntarashote
 Head of Statistics and Socio-economics Section
 Research Division
 SEAFDEC Training Department
- 9. Mr. Aussanee Munprasit
 Researcher in Fishing Gear
 Research Division
 SEAFDEC Training Department
- 10. Mr. Sutee Rajruchithong
 Acting Captain of M.V. PLATOO
 Ship Division
 SEAFDEC Training Department

- 11. Mr. Yuttana Theparoonrat Assistant Researcher in the Fishing Gear Technology Research Division SEAFDEC Training Department
- Mr. Suppachai Ananpongsuk Assistant Researcher in the Resources Evaluation SEAFORC Research Division SEAFDEC Training Department

Training Divinion

II. GUEST LECTURER TOTAL TO TOTAL TRAIT

Dr. Apichart Termvidchakorn Senior Biologist Exploratory Fishing Division Department of Fisheries Amphoe Muang Samut Prakarn 10270

has their said putnished to back

SEAFDEC Prainting Department 7. Mr. Bordit Chalcasactant Instructor of Fishing Coat Technology

Instructor of Fishium Gear Technology

SEASONE Training December.

Mr. Kongwag, Just Arablote Head of Statistics and Sucio-scenes; a Section

> Mr. Austanes Munprasit Researcher in Fighing Sear Research Division SEAFDEC Training Department

Mr. Sutee Rajruchithone . Acting Captain of M.V. PLATCO Ship Division SEATORC Training Department

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10 Bovesbor (Ron.)

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12 Wovesbear (Ned.)

Program of the 7th Regional Training Course

Pish Markering Organization

(Mosers. Bundit Chokeseaguen and Yutthns Fishery Extension Officers in Marine Capture Pisheries

Course : Marine Fishery Extension

(Measure, Bundit Cholosenson, and Yettana

Visit net-making factory, Simm Brother

Duration: 45 days (5 November to 19 December 1986)

Excursion in Banglook

(Mesars, Yuttana Theparoconst; elubedo Suppachal Lashpongsuk)

5 November (Wed.)

1030-1200 Ceremony sjasperol bas a(Dr. Veravat Hongskul) Dr. Apidebart Termy dehakord.

1300-1600 : Course Orientation, Film and Slide shows alabet landrement ,VI sympasson on Fishing Industries 0001-0 palanes ed (Messrs. Somnuk Pornpatimakorn and Bundit (grayadoblysmeT dra Chokesanguan)

6 November (Thu.)

0900-1200 : Fisheries in General (Mr. Kazuo Inoue) Mr. Aussanes Hungrasit)

1300-1600 Fisheries in South and Southeast Asia (Messrs. Kungwan Juntarashote and Somyos Soodhom)

7 November (Fri.)

0900-1200 : Fishery Oceanography: I. An overview (Mr. Somnuk Pornpatimakorn)

IME. Some Rajamonichone

1300-1600 : Fishery Oceanography: II. Application of ish our agent anal oceanography to fisheries (Mr. Somnuk Pornpatimakorn) 13 Nowesher (Thu.)

1300-1600

0900-1200

8 November (Sat.)

0500-1000 : Visit Fish Marketing Organization

- 25 -

(Messrs. Bundit Chokesanguan and Yuttana

Fishery Extensio(Isrnooracat) Baries Capture Fisheries

1100-1300 : Visit net-making factory, Siam Brother

Co., Ltd.

(Messrs. Bundit Chokesanguan and Yuttana

5 Movember (Hed.)

C Wovenilles: (Thu.)

7 Boyesber (Ect.)

0900-1200

0900-1200

Theparoonrat)

9 November (Sun.)

0900-1600 : Excursion in Bangkok

(Messrs. Yuttana Theparoonrat and Design

Suppachai Ananpongsuk)

10 November (Mon.)

0900-1200 : Pishery Oceanography: III. Oceanographic

Independ you analyses and forecasts

(Dr. Apichart Termvidchakorn)

1300-1600 : Fishery Oceanography: IV. Numerical Models

salend bee mygelest the most durance and Remote Sensing

(Dr. Apichart Termvidchakorn)

11 November (Tue.)

0900-1200 : Fishing Gears in General

(Mr. Aussanee Munprasit)

1300-1600 : Fishing Gears in General

(Mr. Yutaka Matsunaga)

12 November (Wed.)

0900-1200 : Gill Net Fisheries

(Mr. Yuttana Theparoonrat)

1300-1600 ... Gill Net Fisheries (practice)

calradali of vacan (Mr. Yuttana Theparoonrat)

(NIC. Sound Pagnach demos . IM)

13 November (Thu.)

0900-1200 : Seamanship

(Mr. Sutee Rajruchithong)

1300-1600 : - ditto -

14 November (Fri.)

0900-1200 Auxiliary Pishing Gear and Equipment (Mr. Sutee Rajruchithong)

1300-7600 1300-1600 and at Rope and Wire Splicing anadduy bna naggnaasiodo Jl (Messrs, Bundit Chokesanguan and Yuttana Theparoonrat)

15 November (Sat.)

0630-1600 Visit fishing port, Canning factory, cold storage etc. and fishery cooperatives at Samut Sakhon and 1300-160 esize Samut Songkhram provinces

has disargnow some (Messrs: Sutee Rajruchitong, Yuttana Theparoonrat and Suppachai Ananpongsuk)

20 Hoveniser (Thm.)

21 Wovember (Fri.)

22 November (Sat.)

0800-1600

16 November (Sun.)

Free

17 November (Mon.): , spallty pointell staly

mill factory in Rayong Provinc 0900-1200 Purse Seine Fisheries (Mr. Prasert Masthawee)

23 November (Sun.) 1300-1600 Purse Seine Fisheries (Mr. Prasert Masthawee)

Visit Marine Joience Center in

18 November (Tue.) Chomburi province

(Messra, Aussanse Munprasit and 0900-1200 : Trawl Fisheries

(Mr. Bundit Chokesanguan)

24 Wovembox (Mon.) 1300-1600

Trawl Fisheries : (Mr. Bundit Chokesanguan)

19 November (Wed.)

0900-1200 Squid Fisheries

(Mr. Aussanee Munprasit)

(Mr. Mesato Oishi)

0900-1200 1300-1600 Net-making and Mending

> (Messrs. Aussanee Munprasit and Yuttana 1300-1500

Theparoonrat)

14 November (Fri.)

20 November (Thu.)

0900-1200 . Modelling of Fishing Gear 0900-1200 (production (Mr. Bundit Chokesanguan) 1300-1600 Model Net Experiment in Water Tank sdaitel bus usugusasked il (Messrs. Bundit Chokesanguan and Yuttana Theparoonrat) 21 November (Fri.) 15 Wovember (Sat.) 0900-1200 Miscellaneous Fisheries 0630-1600 yandali bas are op (Mr. Yuttana Theparoonrat) cooperatives at Samut Sakhon and 1300-1600 sonly; a manual Squid Fisheries Practice anaddyy providental admiration and Messrs. Aussance Munprasit and (MapaggganA kanoseggg bas YuttanagTheparoonrat) 22 November (Sat.) 16 November (Sun.) 0900-1600 Visit fishing village, shipyard, fish mill factory in Rayong Province och and (Messrs. Aussanee Munprasit and -0000 Yuttana theparoonrat) 23 November (Sun.) Purse Seine Fisherics 1300-1500 (Mr. Prasert Masthawes) 0800-1600 Visit Marine Science Center in Chonburi province 18 Hovember (Tue.) (Messrs. Aussanee Munprasit and Yuttana Theparoonrat) 0900-1200 (Mr. Bundit Chokesanguan) 24 November (Mon.) 1300-1500 Trawl Fisheries 0900-1200 Coastal Navigation (Mr. Masato Oishi) 19 November (Wed.) 1300-1600 - ditto -0900-1200 Squid Fisheries 25 November (Tue.) Hasannum sembasuA (TM) 0900-1200 - ottibaxing and Mendint 1300-1500 (Messis, Aussinge Mungrastt and Yuttane 1300-1600 (reamooraditto -. :

26 Movember (Wed.)

Line Fisheries 0900-1200

(Mr. Yutaka Mutsunaga)

1300-1600 Line Fisheries Practice

L. Martin Itom Complete

(Mr. Yutaka Mutsunaga)

27 Hovember (Thu.)

0900-1200 Coastal Navigation

(Mr. Masato Oishi)

1300-1600 - ditto -

28 November (Fri.)

0900-1600 Excursion to the Crocodile Farm and

Ancient City

(Messrs. Somnuk Pornpatimakorn and

Bundit Chokesanguan)

29 November (Sat.)

0900-1600 Excursion to the Floating Market,

Nakhon Pathom and Rose Garden (Messrs. Somnuk Pornpatimakorn and

Bundit Chokesanguan)

30 November (Sun.) Free

1 December (Mon.) to 10 December (Wed.)

0900 All participants on board M.V. PAKNAM, to

leave the pier at 0930 for shipboard

training in:-

1. Fishing Operations

1. Purse seine (on board M.V. PLATOO

on 2 Dec. at Rayong)

Squid fishing and drift gill net (on board M.v. PLATOO on 3 Dec.

at Rayong)

- Marlin longline
- 4. Trap net fishing
- Mucsumaga) Bottom vertical longline
- de Praculat fishing

Coastal Navigation

1. Locating ship's position by magnetic compass, cross bearing, direction finder, radar, dead reckoning

25 November (Wed.)

0908-1200

1300-1600

27 November (Thu.)

- Chart reading practice, application of chart to actual coast line the Fare elibosom est of and landmarks 0001-0000
 - 3. Hand-drawn map of coastline and landmarks
 - 4. The use of sextant in crossbearing
 - metral policeoff and od molecular and how to identify stars commonly used in navigation

3. Oceanographic Survey Methods

- 36 Howashor (Sen.) Shipboard instruments
- Collecting the oceanographic data

Mona,) to 16 Da

III partidripants on board W.V. PARLAN, . . 3. Processing and interpretation

training M.V. PAKNAM arrives at SEAFDEC pier at 1000 hrs. on 10 December 1986

11 December (Thu.) sed no) poles saud .

0900-1200

Basic concepts of fishery extension work and principles of marine fishery extensed the sortain w. M. brand sion (Mr. Kungwan Juntarashote)

1300-1600

Program planning & process in extension work (Mr. Kungwan Juntarashote)

12 December (Fri.)

0900-1200 Development of Communication (Mr. Somnuk Pornpatimakorn)

1300-1600 Preparation of Graphic Media

(nrokamitagnrof sunding Somnuk Pornpatimakorn)

19 December (Fri.)

13 December (Sat.) : (asconsector) Free

14 December (Sun.) : yncm red palaold Pree : 0012-0081

15 December (Mon.) : . I telegal at the V . R

0900-1200 : Media Design and Development

(Mr. Somnuk Pornpatimakorn)

1300-1600 : Slide and Sound-slide for Extension Work

(Mr. Somnuk Pornpatimakorn)

16 December (Tue.)

0900-1200 : Media Design and Development

(Mr. Somnuk Pornpatimakorn)

1300-1600 : Development of Materials

(Mr. Somnuk Pornpatimakorn)

17 December (Wed.)

0900-1200 : Development of Materials

(Mr. Somnuk Pornpatimakorn)

1300-1600 : - ditto -

18 December (Thu.)

0900-1200 : - ditto -

1300-1600 : - ditto -

19 December (Fri.) 12 December (Eri.) 0900-1100 : Presentation of Output 0900-1200 (Mr. Somnuk Pornpatimakorn) 1100-1200 DE DIAGRED TO Evaluation of the Course DOST-DOET (Aroxem) Laurice (Messrs. Somyos Soodhom, Prasert Masthawee, Somnuk Pornpatimakorn and Bundit Chokesanguan) 13 Decamber (Sat.) Free 1800-2100 Closing Ceremony 14 December (Sun.) : (Dr. Veravat Hongskul and Mr. Giovanni R. Van du Ludzt) 15 December (Bon.) : Media Dusign and Development (Mr. Sommule Pornpatimakorn; Slide and Sound-slide for Extension Work (Mr. Somnuk Pormpatimakorn) 16 December ("Dog.) Media Design and Davelopment (Mr. Scientify Pornger Lasterreis Development of Materials Our. Somnul: Poropatimatecen; 17 December (Wed.) 0900-1200 Davel pracet of Mererials Otto: Sounuk Perspectmakers 12 December (Thu.)

1300-1600

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LIST OF DOCUMENTS

(Meners. Bundit Chokesenguen and

	Yuttana Theparooniat)	
EXT/86/LN 1	Fisheries in General (Mr. Kazuo Inoue)	
2	Fisheries in South and Southeast As (Messrs. Kungwan Juntarashote and Somyos Soodhom)	ia ₀₇
3	Fishery Oceanography: I. An Overview (Mr. Somnuk Pornpatimakorn)	1001
3.1	Fishery Oceanography: II. Application Oceanography to Fisheries (Mr. Somnuk Pornpatimakorn)	
3.2	Fishery Oceanography: III. Oceanogra Analyses and Forecasts (Dr. Apichart Termvidchakorn)	
3.3 _{Frat}	and Demote Come!	Models
3, Add. 1	Glossary of the Essential Terms in F Oceanography (Mr. Somnuk Pornpatimakorn)	isherie
3, Add. 2	Instrumentation: Shipboard Equipment (Mr. Somnuk Pornpatimakorn)	14.1
4 bne	Fishing Gears in General (Mr. Aussanee Munprasit)	15
4.1	Fishing Gears in General (Mr. Prasert Masthawee)	16
4, Add. 1	Pishing Gears in General (Mr. Yutaka Matsunaga)	17
. x50w molena	Gill Net Fisheries (Mr. Yuttana Theproonrat)	81
Extension work	Line Pisheries (Mr. Yutaka Matsunaga)	ęt
7	Auxiliary Fishing Gear and Equipment (Mr. Sutee Rajruchithong)	

8	Rope and Wire Splicing (Messrs. Bundit Chokesanguan and Yuttana Theparoonrat)
9	Purse Seine Fisheries (Mr. Prasert Masthawee)
10 Fish Jase	Trawl Fisheries (Mr. Bundit Chokesanguan)
10.1 _{NG (V39V}	Trawl Fisheries (Mr. Bundit Chokesanguan)
11 militarios di	Squid Fisheries (Mr. Aussanee Munprasit)
12 pingarponse	Modelling of Fishing Gear (Mr. Bundit Chokesanguan)
12, Add. 1	Modelling of Fishing Gear (Mr. Bundit Chokesanguan)
13 M. Lecture	Model Net Experiment in Water Tank (Messrs. Bundit Chokesanguan and Yuttana Theparoonrat)
we in Fisher	Miscellaneous Fisheries (Mr. Yuttana Theparoonrat)
14.1 _{30.00001.00}	Miscellaneous Fisheries (Mr. Yuttana Theparoonrat)
15	Net-making and Mending (Messrs. Aussanee Munprasit and Yuttana Theparoonrat)
16	Coastal Navigation (Mr. Masato Oishi)
17	Seamanship (Mr. Sutee Rajruchithong)
18	Basic Concepts of Fishery Extension Work (Mr. Kungwan Juntarashote)
19	Principles of Marine Fishery Extension Work (Mr. Kungwan Juntarashote)

Auxiliary Fishing Gear and Equipment (Mr. Sucee Rajrachithong);

20	Program Planning & Process in Extension Work (Mr. Kungwan Juntarashote)		
21	Development of Communication (Mr. Somnuk Pornpatimakorn)		
22	Media Design and Development (Mr. Somnuk Pornpatimakorn)		
23	Preparation of Graphic Media (Mr. Somnuk Pornpatimakorn)		
24	Slide and Sound-slide for Extension Work (Mr. Somnuk Pornpatimakorn)		
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Annex D

Yes: (7)

Beach seine. (1)

(i) Bag net (i)

1) Trawl Sighino (1)

2) Oceanography (1)

Luring purse seine. (3)

6. Is there any other fishing gear, that should in your opinion be included for fishery extension officers in marine capture figheries?

RESULTS OF EVALUATION

Inquiry by Questionnaire

Pole and line for tune (2)

1. Training Duration.

Too long: (0) Fair: (17) Too short: (3) Iwand

Number of subjects.

Fair: (18) Too many: (2) Too few: (0)

Is there any subject of this course which you feel did not The content of subjects a know to bield many amendo yliperib

Too brief: (8) Too long: (0) Appropriate: (12)

Method of training.

Need more theory: (1) Need more practice: (9) Efficient: (10)

- 5. Comments on training facilities, training site, etc. 8. Are study-trips t
 - Training facilities are well equipped. (14)
 - Training site is also good. (14)
 - Stops 3) Training site is far from town. (3) on ap aw

organization of various bodies related to fisherias (1)

- It would be better if auxiliary fishing gears, especially deck equipment, were added. (1)
- 5) It would be better if a lecture on improvement of the purse seine construction were added. (1)
- 6) Need more class room instruction on theory and practice of extension methodology. (4) o tof a feedlag eW (2
- 7) Trawl fishing is destructive so there is no need to E). We have a clear (1) gear. (1) we have a war ow . (3)
 - 8) The time for media design and development is too and as ishort. (2)

Anmest D : Is there any other fishing gear, that should in your opinion be included for fishery extension officers in marine capture fisheries? RESULTS OF EVALUATION Yes: (7) 1) Beach seine. (1) I. Inquiry by Questionnaire Pole and line for tuna (2) Luring purse seine. (3) Training Duration. Stationary trap net. (1) Too short: (3) 5) Mid-water trawl (1) 6) Bag net (1) 2. Number of subjects. Too few: (0) . Fair: (18) Too many: (2) Is there any subject of this course which you feel did not directly concern your field of work as an extension officer? Yes: (2) singorqqA (0) :pnol onT Too, brief: (3) Trawl fishing (1) Oceanography (1) 4. Method of training. Meed more theory: (1) Weed more practice: (9)(81):10Mnt; (1) Are study-trips to places related to fishery beneficial to you? If so, in what respect? Please comment, if not. 1) Training facilities are well equipped. (Yes: (18) 2) Training site is also good. (14) 1) We gained a lot of knowledge in purse seine and squid fishing. (2) It would be better if auxiliary 2) It is very important to my work. (2) pe xoob 3) We also have these in our place. (2) from at (3 4) All the knowledge gained from study trips could be applied for the betterment of fishermen. (7) 5) We gained a lot of knowledge in fish marketing, fish handling and status of fishermen. (2)

6) We have a clearer picture of the local fishing industry.

organization of various bodies related to fisheries. (1)

7) We know the actual life of fishermen as well as the

The time for media design and development(1) too

understand. (1)

The experience from these can be applied in extension work and also make the subjects in this course easy to

		under beamar (1)	Very good (16)	
	No Comme	nt: (2)	Pood quality is not con	
9.	What fig		sed in your local area of	+
•	mide 110	ining years are mosery as	sea in your rocar area or	operacioni
	1)	Trawl nets: (12)	and not a teamment Lamphalbi	M . II
	2)	Purse seine: (8)	Mittional comments by trail December 1986:	Et .
	3)	Gill nets: (7)	Transport of the second	
	4)	Traps: (6)	Common Ritchen and raw participants to cook th	
	5)	Longlines: (5)	or according to request	
	6)	Beach seine: (3)	Coffee and tes should a	12/
.836	· 7)	Hand line: (1)	dinner.	
	8)	Bag net: (1)	Mussels or other shall	
	9)	Cast net: (1)	Indian participants.	
	10)	Lift net: (1)	Need more chicken for M	
	11)			
	12)	Squid cast net: (1)	Some of the food served	(8
		e with dormitory staff.	pifficult to communicat	(1)
10.		home, are you continuing	ng to work in the field of	
			No: (6)	tt. Sugges
	forwarded r	ie bus nolvaniyan Idraso	expecting to be posted?	0.7
٠,,			expecting to be posted?	
	1)	Training officer (2)	ficer (1)	2.5
	2)			u i
			1 (2)	
			Heed more practice to	
12.	What pa for dis abroad?	patching participants to	ost suitable to your home take part in such as cou	office urse
	1)	Any month (11)		
	2)		Heed longer period of a	
	3)	September-December (5)		
	4)	December-January (2)	and the same	

13. Comments on the life at SEAFDEC/TD dormitory:

- Very good (16)
- 2) Food quality is not consistent (3)
- 3) Dinner time is too early (1) and an arrest points and . (

II. Additional comments by trainees during discussions on 19 December 1986:

 Common kitchen and raw material should be provided for participants to cook their own meals during the holidays or according to request.

No Comments 123

Smotanetwa :

(CI) Trawl Deta (12)

1) Training officer (2)

- Coffee and tea should also be available during lunch and dinner.
- Mussels or other shellfish should not be served to the Indian participants.
- 4) Need more chicken for Muslim participants.
- 5) Some of the food served was too hot or too sweet.
- 6) Difficult to communicate with dormitory staff and security guards.

Suggestions for course improvement.

- Need more practice in coastal navigation and shipboard training (1)
- 2) Tests should be conducted at the end of the course (1)
- 3) Need more details on fishing gear and oceanography (1)
- 4) Need more practice in the workshop (4)
- 5) Case studies seem to be desirable (1)
- Need more emphasis on extension methodology especially in development of communication and media design (5)
- Need longer period of time for practice in materials development for media design (2)

- III. Additional comments by trainees during discussions on 19 December 1986:
 - Need more emphasis on extension methodology.
 - 2) Need more practice.
 - Some practice should be explained beforehand.
 - It would be better if mid-water trawl were included in the course.
 - 5) Lecture notes should be given to the participants before the course starts.
 - It would be better if auxiliary fishing gears, especially deck equipment, were added.
 - Lecture notes should be brief but cover all the essentials.