

REPORT TO FIRTA.

FIRTA Grant 87/32: Short Course on Nets, Knots & Ropework.
FIRTA Grant 87/33: Echosounder, Sonar, Radar & Marine Radio Transceiver.

Pre course Publicity.

The Fisheries Information Service of the NSW Department of Agriculture & Fisheries prepared printed and distributed publicity posters and application forms to the Sydney Fish Markets, Fisheries Inspectors' Office and the premises of local fishermen's Co-operatives. About 3000 application forms were mailed to individual fishermen.

Copies of posters and application forms are enclosed for information.

Dates & Venue of courses.

Net Making 23rd - 27th May 1988
Echosounder 30th May - 3rd June 1988.

Both courses were held at the Gore Cove Depot of the NSW Department of Agriculture & Fisheries. The courses were held in consecutive weeks to allow participants to attend both without the added costs of returning home between courses.

Number of Participants.

The number at the net making course was increased again this year from 14 to 15. The additional participant was funded by the NSW Division of Fisheries.

The numbers finally enrolled at the courses were as follows.

Net Making course	15
Echo Sounder Course	20

Applicants were selected as usual on a first come first served bases and the response in both courses to the individual mailing list was excellent. Applications to enrol in the courses were received by return mail and both courses were full with a waiting list within two weeks of mailing out the applications.

The participants at each course were:-

Net Making

1. Jack Hocknell	Broken Bay
2. Terry Faulder	sydney
3. David Crehan	Eden
4. Graham Campbell	Kincumber
5. Julia Hill	Gynea, Sydney
6. Robert Johnson	Medowie
7. Brendan Books	Ulladulla
8. Jeff Adamson	Sydney

Net Making cont.

- | | | |
|-----|-------------------|----------------|
| 9. | Rod Smith | Shoal Bay |
| 10. | Robert foster | Werri Beach |
| 11. | Greg Jones | Sydney |
| 12. | Kenneth Blackburn | Sydney |
| 13. | Greg Piggott | Swansea |
| 14. | Robert Soloman | Killarney Vale |
| 15. | Raymond Parkin | Leetsvale |

Echo Sounding.

- | | | |
|-----|-------------------|----------------|
| 1. | Geoff Cootes | Wolli |
| 2. | *Ken Blackburn | Sydney |
| 3. | *Greg Piggott | Swansea |
| 4. | *Robert Soloman | Killarney Vale |
| 5. | *Raymond Parkin | Leetsvale |
| 6. | *Jack Hocknell | Broken Bay |
| 7. | *Terence Faulder | Sydney |
| 8. | *David Crehan | Eden |
| 9. | *Graham Campbell | Kincumber |
| 10. | John Benham | Coffs Harbour |
| 11. | Michael Sutton | Nelson Bay |
| 12. | Lance Marsh | Coffs Harbour |
| 13. | Robert Livinstone | Anna Bay |
| 14. | Michael Baldwin | Sydney |
| 15. | Brian Bevan | Wyonga |
| 16. | Barry Wamsley | Gorokan |
| 17. | Robert Ray | Berkley Vale |
| 18. | Peter Schaeffer | Palmers Island |
| 19. | Darren Ward | Coffs Harbour |
| 20. | Craig Ash | Dapto |

* Attended both courses.

As noted above eight applicants attended both courses indicating the advantage of running them in consecutive weeks.

Unfortunately the A.W.A. demonstration vessel Dameeli suffered major engine failure immediately prior to the commencement of the echo sounding course and was unavailable. The amount of hands on experience for each participant was therefore somewhat limited compared with previous courses.

The lecture on radio transceivers had to be cancelled but by prior arrangement, Capt. Alf Carver provided a very interesting and informative introduction to fishing vessel stability.

LECTURERS.

Net Making course.

Terry Gorman	NSW Agriculture & Fisheries.
Ken Graham	" " "

Echo Sounding Course.

John Hill	University of Melbourne.
Alf Carver	Australian Maritime College
Terry Gorman	NSW Agriculture & Fisheries
Ken Graham	" " "

Vessels.

Only the FRV Kapala was available this year, however some equipment from "Dameeli" was rigged on Kapala by courtesy of A.W.A.

The equipment available for operation was as follows:-

FRV Kapala

- 1 Dry paper sounder.
- 1 Wet paper sounder
- 1 Colour sounder display
- 1 Searchlight sonar with wet paper & CRT short range presentation
- 1 Cable transmission net sounder
- 1 Radar.

A.W.A. "Dameeli"

- 1 360° colour sonar
- 3 Colour echo sounders
- 1 GPS receiver

Fisheries Films 7 video

The following were featured on the Tuesday and Wednesday nights of each course.

Danish Seining-Underwater Operation.

Danish Seining - Ulladulla

Fish reactions to trawl gear and performance of trawldoors.

Sashimi Tuna

North Queensland Tuna Fishing

Japanese Squid Jigging

Engel Balloon Trawl in Operation

The HAL Auto Line Systems

The Mustad Auto Line System

Introduction to the Flume tank

Syllabuses

Copies of the Syllabuses are attached for information.

Participants at the net making course involved in following activities.

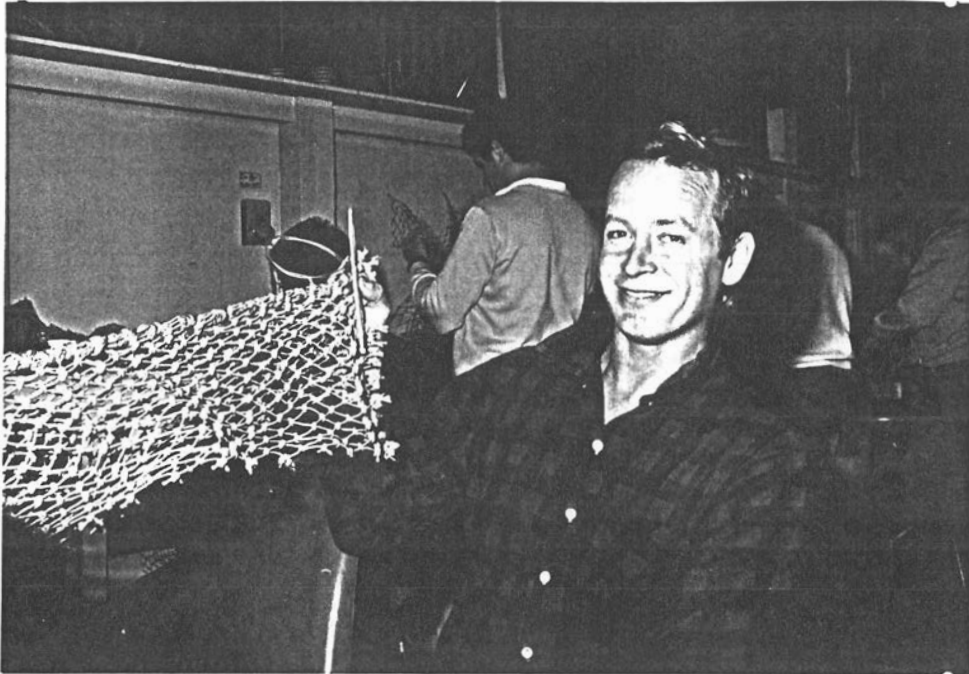


(1) *Discussing the method of handing a North Queensland prawn trawl.*

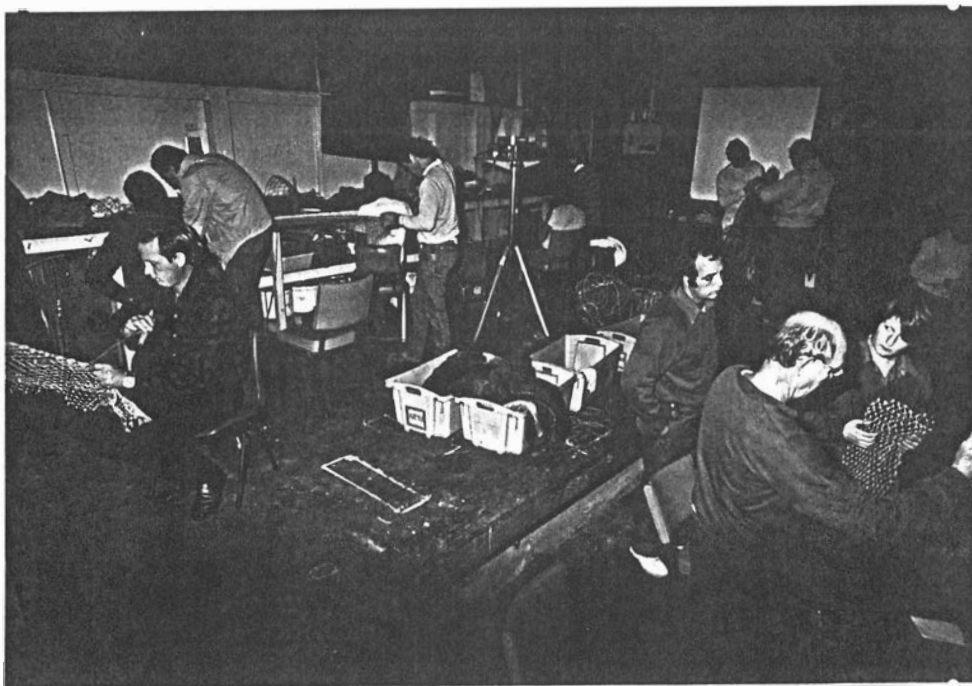
(2) *Joining panels using side knots.*



(3) Joining panels by lacing.

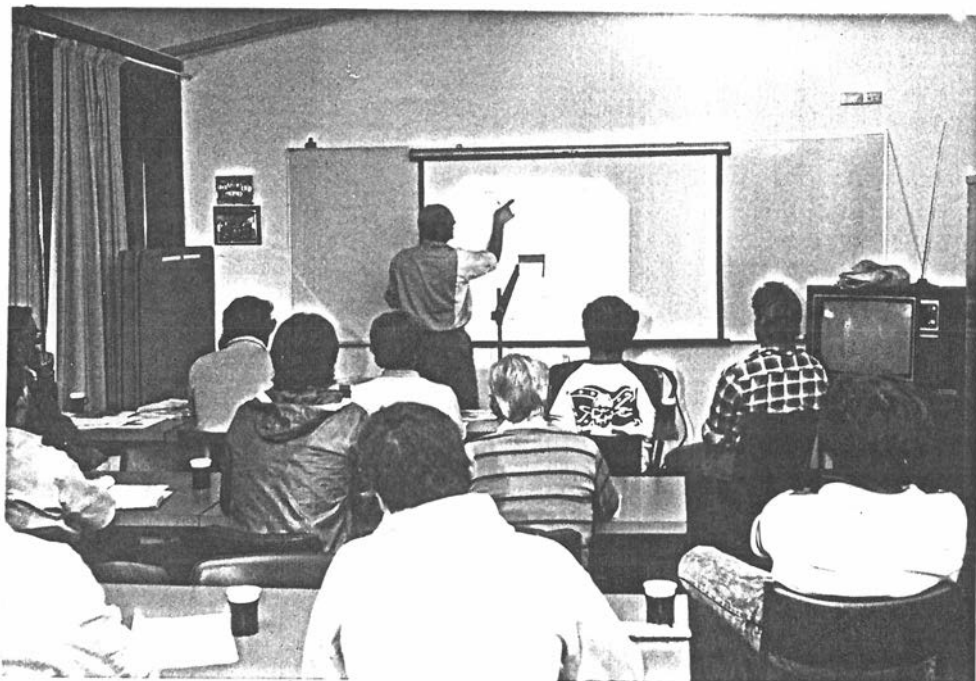


(4) Overall view of the participants in the shed at Gore cove.

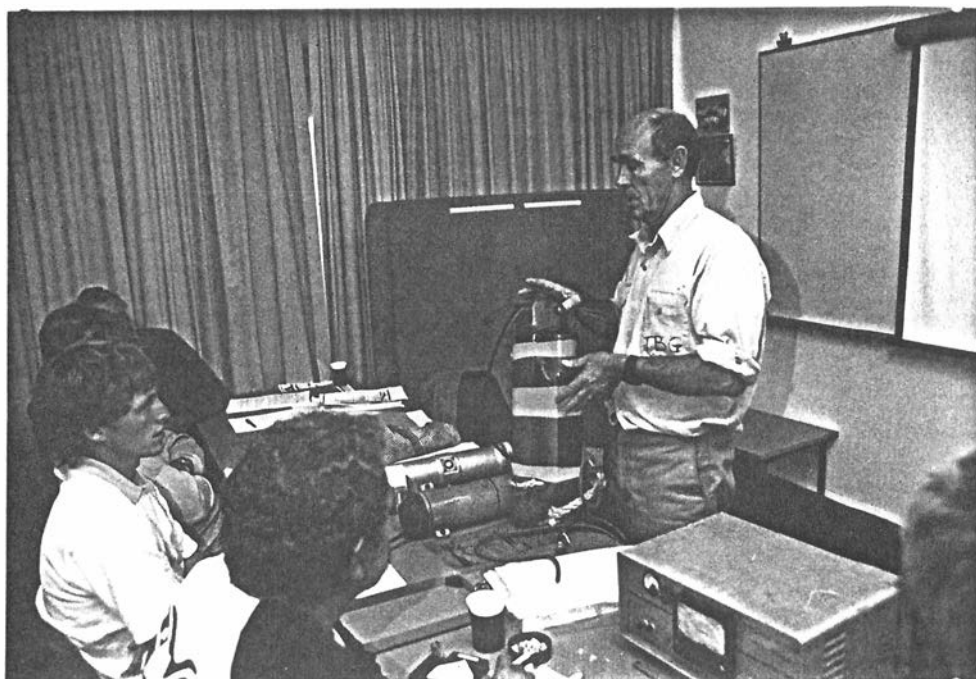


The course participants shown attending a lecture on:-

(1) The echogram of a netsounder.



(2) Various types of netsounder equipment.



(3) *The operation of a cable transmission netsounder from FRV Kapala.*



(4) *Securing the netsounder transducers to headline of the trawl net.*

