

R1/6

FRV *Clupea*

Cruise 1095C

## REPORT

19-29 June 1995

### Personnel

|            |                 |
|------------|-----------------|
| C W Glass  | SSO (in charge) |
| P Barkel   | PTO             |
| H Ozbilgin | Visitor         |

### Objectives

1. To assess and quantify escape behaviour in square mesh extensions in relation to fish encounter rate.
2. To evaluate a SIMRAD MS971 acoustic scanner for monitoring RCTV position in relation to the net.
3. To assess the performance of a DC motor drive system and the existing AC drive system with the aim of reducing video interference.
4. To assess the long term performance characteristics of the RCTV using the DC drive system.

**Out-time days per project: 11 days ICL1**

### Report

*Clupea* sailed from Fraserburgh and spent most of the period of the cruise fishing in the Moray Firth area before moving to Aberdeen Bay and unloading in Aberdeen. A total of 20 hauls were carried out resulting in over 16 hours of videotape and almost 400 still photographs. The videotapes and photographs are currently being analysed to quantify the escape behaviour of fish in relation to fish encounter rate. The MS 971 acoustic scanner (housed on the RCTV) proved effective for monitoring RCTV position but has fewer features than the FS 3300 system which has been used previously for this purpose.

Tests carried out in the laboratory prior to the cruise demonstrated the DC motor system to be inoperative rendering objectives three and four impossible.

C W Glass  
16 October 1995

Seen in draft: G Geddes