

MINISTRY OF AGRICULTURE, FISHERIES AND FOOD
FISHERIES LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND

1973 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 3

(PROVISIONAL: Not to be quoted without prior reference to the author)

STAFF

B C Mumford
L Emerson

DURATION

Left Lowestoft 1815 h 31 January

Arrived Lowestoft 1600 h 12 February

LOCALITY

Southern North Sea

AIMS

1. To determine the reaction of plaice to a Granton trawl by extending the series of experiments carried out on Cruises CORELLA 13 & 18 1971 and 15, 16, 17 & 18 1972.
2. To collect heads, gonads and otoliths of dabs for M. Htun Han.
3. To detect seine net ropes on the sea bed.

NARRATIVE

CORELLA sailed at 1815 h 31 January and steamed to a position just north of Sizewell Bank buoy where six codling to be used for acoustic tag work were caught on rod and line.

Passage was then made to the Brown Bank area to join CLIONE at 1244 h 1 February where for the next five days joint ship exercises with acoustically tagged plaice were carried out before gale force winds stopped work for 24 hours. A further two trawl hauls were made during the morning of 8 February before renewed westerly gales and a badly damaged trawl forced the ship to make an overnight passage to a position off Southwold where a further days work was completed before bad weather terminated the cruise on 12 February.

RESULTS

1. 28 attacks were made on 13 tagged plaice with 7 recaptures.
2. Dab heads, otoliths and gonads were collected for M. Htun Han.
3. A length of seine net rope was laid on the sea bed for CLIONE to observe with the Sector Scanning Sonar.

4. D.R.C.M. observations were made for a full tidal cycle in the Brown Bank area.
5. 9 mature flounders were obtained for hatchery work.
6. A sample of live plankton was obtained for copepod culture.

B C Mumford
19 Feb 1973

SEEN IN DRAFT: W Craig (Master)

E T Bridge (Fishing Skipper)

INITIALLED: AP

DISTRIBUTION:

Basic List

B C Mumford
L Emerson