

Miss ~~Howe~~

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

1971 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 5

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

STAFF

D Harding
J H Nichols
M Smith
Mrs B Thompson
Miss C A Pleasants

DURATION

Left Lowestoft 0930 hours 9 March

Arrived Lowestoft 1130 hours 16 March

All times are British Standard Time

LOCALITY

Eastern English Channel and Southern Bight

AIMS

1. To carry out a survey of fish eggs and larvae in the Eastern Channel and Southern Bight.
2. To monitor transparency, chlorophyll A and temperature continuously in the sea surface water.
3. To collect surface salinity samples on each sampling station.
4. To measure temperatures and total illumination at different depths on selected stations.

NARRATIVE

CORELLA sailed for Lowestoft at 0930 hours 9 March. The recorders were set working once the ship had left Corton Roads and calibration of the flow meter, depth gauge and warp meter carried out later in the afternoon when the ship reached deep water. A short stop was made at Boulogne to discharge mail to the pilot boat and the sampling survey commenced at 0130 hours 10 March. Weather was fine throughout the cruise and survey was completed without mishap at 1502 hours 15 March. Clean water was then collected for the hatchery and live plankton for Mrs Thompson. The cruise concluded at 1130 hours 16 March when CORELLA docked at Lowestoft.

RESULTS

All objectives were achieved and 102 samples of plankton collected on this cruise. The main egg patches have now disappeared from the Channel and Southern Bight but a new spawning is evident in the region of the West Hole with its centre at about 53°N 3°30'E.

All the instruments worked well, although the transparency meter will need some adjustment before the next cruise. The new electric package fitted to the 30" sampler also gave good service, but the new thermistor circuit did not work. Temperature depth transects were therefore taken with the bathy-thermograph.

D Harding
23 March 1971

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DISTRIBUTION

Basic list
D Harding
J H Nichols
M Smith
Mrs B Thompson
Miss C A Pleasants

