

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

1970 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 5. PART 1

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

STAFF

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DURATION

Left Lowestoft 14.30 hours 28 April

Arrived Lowestoft 09.00 hours 4 May

LOCALITY

Southern Bight

AIMS

1. Vertical distribution studies using the Lowestoft multiple plankton sampler and Boothbay net
2. Trials with 61 cm diameter Bongo nets
3. Filtration tests with a new type of net
4. Photographs of living fish larvae and other planktonic animals
5. Trawling for turbot on Cleaver Bank
6. Collections of living plankton
 - i. copepods for Miss Hudson
 - ii. phytoplankton for Mr Riley
7. Collections of plankton for Dr Steedman of Bath University

NARRATIVE

RV CORELLA sailed from Lowestoft at 14.30 hours, 28 April to a position southeast of Lowestoft where trials were carried out with a pair of 60 cm Bongo nets and a new 30" sampler. Work continued on the 29th on a line of stations eastward to the Dutch Coast and northward along the Dutch Coast to a position (53° 56'N 04° 14'E) southeast of Cleaver Bank. Here attempts were made to carry out a series of hauls with the changing net sampler. This was abandoned when both electronic units were found to be faulty and work continued with the Bongo nets. The latter samples indicated these nets to be very good sampling devices for larval fish but were difficult to handle from CORELLA in bad weather conditions.

On 2 May the ship was rigged for trawling and hauls were made on the Cleaver Bank and in the outer Silver Pits throughout 2-3 May. Collections of live plankton were also made in this area.

RESULTS

The main objective of this cruise, the study of vertical distribution of larval fish was not achieved due to faulty gear, and specimens of fish larvae taken in the other gear proved unsuitable for photographic purposes. All other objectives were achieved though no turbot were caught. Four live female sole were returned alive for Mr Thacker and dabs and plaice were preserved for Mr C Lee. Live plankton was collected for Miss Hudson and Mr Riley and samples of plankton preserved for Dr Steedman of Bath University of Technology and Dr Dodge of Berkbeck College, London. Live echinoderms were also collected for the University of East Anglia.

D Harding
21 May 1970

SEEN IN DRAFT:

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