

Mr. Gales.

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

1974 RESEARCH VESSEL PROGRAMME

REPORT: R V CORELLA: CRUISE 6

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

STAFF

D J Symonds
J M Last
P Walker
S M Stevens
R C Genn (Student)

DURATION

Left Lowestoft 0730 h 17 April
Arrived Lowestoft 0825 h 23 April
All times are Greenwich Mean Time

LOCALITY

South coast of England

AIM

To carry out an inshore survey of the English south coast for fish eggs and larvae using a 50 cm high-speed tow net.

ADDITIONAL LATE AIMS

To collect live turbot eggs using a neuston net if conditions permit.
To make a preliminary investigation of the vertical distribution of pilchard eggs.
To collect seawater from west of the Isles of Scilly
To collect dinoflagellate samples for Dr Dodge from off the East Anglian coast.

NARRATIVE

On completion of calibration tows off Dunwich CORELLA proceeded to the North Foreland where the survey started at 1620h 17 April. No time was lost as good weather persisted throughout the cruise. The survey was completed off Beachy Head at 0120 h 22 April.

RESULTS

The inshore survey for fish eggs and larvae was successfully completed. 57 stations were occupied between North Foreland and the Isles of Scilly, including stations in Plymouth Sound and in Southampton Water. Eggs and larvae were found in most samples.

Live turbot eggs were found in the Eddystone Rocks area, but sea conditions did not allow their collection by neuston net. An attempt inshore in calmer waters caught only a few eggs.

The vertical distribution of pilchard eggs was investigated by a series of 3 tows at different depths with the high speed tow net at a position west of the Eddystone Rocks.

Six carboys of seawater were collected from west of the Isles of Scilly and, at the end of the cruise, dinoflagellate samples were taken off Orfordness for Dr Dodge.

D J Symonds
(Naturalist in charge)

SEEN IN DRAFT J E M B
C N S

23 April 1974

INITIALLED A J L

DISTRIBUTION

Basic List

D J Symonds
J D Riley
J M Last
P Walker
S M Stevens
R C Genn (Student)