

1973 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 7/73

STAFF:

D S Tungate  
A J Jones  
C J Garrod  
J R Corbin (Hull)  
D C Dudley (Student)

DURATION:

19-25 April

LOCALITY:

North Sea

AIMS:

1. To carry out an inshore plankton survey of the English east coast for fish eggs and larvae using a 20" unenclosed H.S.P.S.
2. To test a new 30" unenclosed H.S.P.S.
3. To collect live copepods for laboratory use.
4. To collect dinoflagellates for Dr Dodge of Burkbeck College, London.
5. To collect samples of plaice for histology studies.
6. To collect large live plaice for Mr Scholes.
7. To make echo-surveys in the Thames, Wash, Humber and the north east coast for sprats.

NARRATIVE:

The inshore plankton survey was carried out from North Foreland to the Scottish Border. On the way south on 19 April calibrations of the plankton sampler and recording instruments were completed. The survey started at 1400 h 19 April and was completed at 1000 h 24 April. Further testing and calibration of the 20" sampler and a new 30" sampler was carried out at Spurn Point then the stern ramp was lifted in preparation for trawling. On the morning of 25 April trawling commenced at Smiths Knoll. With all aims completed CORELLA docked at Lowestoft at 1530 h 25 April.

RESULTS:

1. 50 samples were collected on the inshore survey, the vessel proceeding up the Thames as far as Gravesend and in the Humber to Hull Docks. Temperature, salinity, percentage, oxygen saturation, turbidity, chlorophyll and the pH of the surface seawater was monitored throughout the cruise and recorded automatically onto a Cambridge recorder. All of these instruments functioned satisfactorily.
2. The new 30" unenclosed plankton sampler was stable in the water without the external fin and was much easier to handle than the old fibreglass model.
3. Live copepods were collected for laboratory use at a station six miles off Robin Hood Bay.
4. Dinoflagellates were collected for Dr Dodge at Smiths Knoll.
5. Plaice were collected at Smiths Knoll for histology studies. All the plaice caught were above 21 cm in length.
6. 30 live plaice were collected and returned to Lowestoft for laboratory studies.
7. Echo-surveys with the 100 Kc equipment were made in the Thames, Wash, Humber and along the northeast coast to the Scottish border.

SEEN IN DRAFT: J E Balfour Master

D S Tungate

INITIALLED: AJL

30.4.73

DISTRIBUTION:

Basic List	D S Tungate
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