

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

LIBRARY

1970 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 3

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

STAFF

I L Davies  
B C Mumford  
G W Argumont (Part time)

DURATION

Left Lowestoft 1100 hours 10 March  
Arrived Lowestoft 1130 hours 25 March

All times are British Standard Time

LOCALITY

North Sea

AIMS

1. To provide trawling targets for RV CLIONE to make Sector Scanning observations.
2. For Skipper Argumont to observe the trawl shooting and hauling technique as carried out aboard RV CORELLA.
3. To collect live small elasmobranchs for NERC's Fisheries Helminthology Unit.
4. To collect dinoflagellate samples for Dr Reynolds.

NARRATIVE

RV CORELLA sailed at 1100 hours on 10 March for Smith's Knoll to collect sea water for Dr Purdom and dinoflagellate samples for Dr Reynolds. These samples were put ashore at Gt Yarmouth at 1800 hours where temporary repairs were made to the portside main engine because cooling water had entered the sump. CORELLA sailed at 2300 hours and made for the Rising Ground where the trawl was shot at 0845 hours on 11 March. A 2-hour tow yielded only 1 basket of fish so the ship steamed to the Flamborough Off Ground. Here trawling commenced at 0910 hours on 12 March with CLIONE making sector scanning observations. Both ships steamed overnight to the grounds off the Tyne and two hauls were made here on 13 March before CORELLA went to N. Shields to put ashore Skipper Argumont, who had completed his observations, and to collect Dr Harden Jones for trans-shipment to RV CLIONE.

The ship left N. Shields at 0600 hours on 14 March and one trawl haul and a target lowering exercise was carried out off Blyth.

The period 15-20 March was spent working on Berwick Bank and in the Firth

of Forth with a visit to Leith on 16-18 March to collect Mr Mitson, and repair electronic equipment and to shelter from NW gales. Mr Mitson was put ashore at Granton by rubber boat on 19 March after completing repairs to the scanner.

Trawling was carried out on 21-24 March off the Tyne.

The two vessels finished working together at 1600 hours on 24 March and CLIONE made for the Tyne to remove the dome and CORELLA steamed South collecting plankton at various places on the way and docked at Lowestoft at 1130 hours on 25 March.

## RESULTS

All the main aims of the programme were accomplished apart from collecting the live small elasmobranchs for NERC as no suitable fish were caught. The Granton trawl was shot in various depths ranging from 10 to 60 fathoms, on different types of sea bottom and under varying weather conditions. Acoustic targets were lowered or towed for CLIONE to observe and to calibrate the Sector Scanning equipment.

In addition zooplankton was collected for Miss Hudson and 6 pairs of fish preserved for Dr Greer Walker.

I L Davies  
6 April 1970

SEEN IN DRAFT: W Craig (Master)

C N Snowling (Fishing Skipper)

INITIALLED: HAC

DISTRIBUTION:

Basic list

I L Davies  
B C Mumford  
C W Argument