

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

1973 RESEARCH VESSEL PROGRAMME

REPORT: R V CORELLA: CRUISE 12

(Provisional: Not to be quoted without prior reference to author)

STAFF

B C Mumford	
M Htun Han (Burma)	
A Burrige)
R E Hibbens (Triton Electronics)) - 12-17 August
C S Seakens (Kelvin Hughes))
S Stevens)
G Titmus (Sandwich Student)) - 17-28 August

DURATION

Left Lowestoft 0845 h 14 August
Arrived Lowestoft 0600 h 28 August
All times are Greenwich Mean Time

LOCALITY

North Sea

AIMS

1. To determine the efficiency of the Granton trawl by extending the series of experiments carried out on Cruises CORELLA 13 and 18, 1971; 15, 16, 17, 18, 1972; and 3, 1973.
2. To collect 30+ live large plaice for use as targets on this cruise and for return to the laboratory for future sector scanning cruises.
3. To collect dab gonads and pituitary glands for histological examination.
4. To collect live dabs and whole frozen dabs for return to the laboratory.

NARRATIVE

CORELLA sailed from Lowestoft at 0845 h 14 August and made passage to the Gt Silver Pits where trawling commenced at 1955 h. A further two hauls were made in this area before a lack of suitable plaice necessitated a move to Outer Rough area where trawling continued until 1014 h 16 August. During this part of the cruise the Lake Rudolph Project electronic equipment was tested with good results. CORELLA then steamed to Den Helder where 8 marked plaice were transferred to CLIONE on 17 August before joint ship work on estimating the efficiency of Granton trawls began in the Brown Bank area. This work continued until the morning of 20 August when failure of the new radar on CORELLA forced the vessel to enter Gt Yarmouth at 1755 h sailing for the Brown Bank area at 2005 h 21 August to meet CLIONE at 0500 h 22 August. The next two days were spent continuing the joint ship work before a major electrical generator failure on CLIONE terminated this aim. CLIONE returned to Lowestoft while CORELLA sailed for the Gt Silver Pits to obtain live, large plaice for return to the laboratory for future cruises. 20 trawl hauls were made in this area during the period 23-26 August and 45+ plaice in good condition were kept in the tanks. On 27 August five trawl hauls were made in the Smiths Knoll area to obtain live dabs for return to the laboratory. CORELLA arrived at Lowestoft 0600 h 28 August.

RESULTS

1. 33 attacks were made on a total of 11 tagged plaice of which 28 were judged valid attacks and 9 of the plaice were recaptured.
2. 8 marked plaice were transferred to CLIONE in Den Helder and a further 45+ live plaice returned to the laboratory at the end of the cruise.
3. All dab samples required for histological examination were obtained.
4. 50 live dabs were returned to the laboratory.
5. The Triton Electronics Lake Rudolph Project equipment was successfully tested.

B C Mumford
7 September 1973

SEEN IN DRAFT J E M Balfor (Master)
C N Snowling (Fishing Skipper)

INITIALLED A J L

DISTRIBUTION

Basic List+

B C Mumford
M Htun Han (Burma)
A Burridge
R E Hibbens (Triton Electronics)
C S Seakens (Kelvin Hughes)
S Stevens
G Titmus (Sandwich Student)