

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

Library

1971 RESEARCH VESSEL PROGRAMME

REPORT: RV CLIONE: CRUISE 12(a)

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

STAFF

V J Bye
Miss G A Pull
Mrs J E Howlett
R J Turner
J Haddy (Student)

DURATION

Left Lowestoft 1755 hours 11 November

Arrived Lowestoft 0844 hours 16 November

All times are Greenwich Mean Time

LOCALITY

Southern North Sea.

AIMS

1. To collect material for studies on the pineal complex of cod;
2. To collect cod blood samples for immunogenetic studies;
3. To make measurements of light transmission through fish skulls;
4. To collect ray parasites for Dr G Kearn of UEA;
5. To collect live plaice for Mr Scholes;
6. To collect plaice muscle samples for Dr M G Walker
7. To collect fillets of cod and small fish for fish food.

NARRATIVE

The ship left Lowestoft at 1755 hours 11 November and immediately commenced a short engine trial between Lowestoft and Yarmouth. After putting the shore engineer off onto the Yarmouth pilot boat we headed for the Cleaver Bank and commenced fishing at 0755 hours on 12 November.

We fished around the Cleaver Bank, Haddock Bank and Smith's Knoll over the next three days until at 1600 hours 14 November the gear box on the guiding on gear broke down making further trawling impossible. We entered IJmuiden at 0011 hours 15 November to make a closer examination of the damaged guiding on gear, and to make some measurements on pineal material at the IJmuiden Fisheries Laboratory. We left IJmuiden at 2000 hours 15 November and set course for Lowestoft where we docked at 0844 hours 16 November.

RESULTS

1. Pineal glands and brains were collected from cod and prepared for light and electron microscopy. The vascular supply of the pineal gland was examined in a number of cod.

The majority of cod caught were between 30-50 cm. Very few fish were above 60 cm.

2. Sixty-two blood samples and 30 samples of heart, liver and gill were collected from cod for immunogenetic studies.

3. Measurements were made of the transmission of light through the skulls of a size range of cod.

4. No Raja radiata were caught so the particular parasite required by Dr Kearn could not be collected.

5. Seven live plaice larger than 35 cm were brought back to Lowestoft.

6. Muscle samples from a size range of male and female plaice were collected.

7. Twenty bags of small and 20 bags of medium gadoids, and some cod fillets were collected for fish food.

Victor Bye
22 November 1971

SEEN IN DRAFT MRS (Master)
 AL (Fishing Skipper)

INITIALLED AJL

DISTRIBUTION

Basic List
V J Bye
Miss G A Pull
Mrs J E Howlett
R J Turner
J Haddy