

MR BADE

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

1975 RESEARCH VESSEL PROGRAMME

REPORT: R V CLIONE: CRUISE 4

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

STAFF: V J Bye (NIC)  
A P Scott  
Htun Han  
S M Baynes  
Miss L Emerson  
Miss F Herioux (France)

DURATION: Left Lowestoft 1400 h 18 March  
Arrived Lowestoft 0840 h 25 March

All times are British Summer Time

LOCALITY: North Sea

AIMS:

- 1 To collect endocrine material for the preparation of hormone assays.
- 2 To collect fish blood for hormone analysis.
- 3 To collect live flat fish for:
  - a The hatchery programme;
  - b Sector Scanner tracking studies.
- 4 To collect live sand eels for behaviour studies.
- 5 To collect live plaice eggs for the hatchery programme.
- 6 To collect plaice muscle samples for electrophoretic stock separation.

NARRATIVE

CLIONE arrived in the vicinity of the Coffee Soil on 19 March but poor weather prevented fishing until 20th. We trawled in the Coffee Soil - Inner Shoal area for two days and then moved overnight to the Outer Rough for another day's fishing. We again moved overnight to the South Dogger Ground and over the next two days worked down into the Silver Pit. Freshening winds and a gale warning terminated fishing on the afternoon of 24 March whereon we made course for Lowestoft.

RESULTS

- 1 Pituitary and hypothalamus were collected from 8,200 dabs, 900 plaice, 75 large cod and 3,050 smaller Gadoids (mainly whiting). Pancreas was also taken from the dabs, plaice and cod and pineal gland from the cod.
- 2 Blood collection was started but subsequently abandoned when it was found to be too time consuming.
- 3 40 live plaice and two turbot were brought back to the laboratory.

- 4 Only a few live sand eels were collected as there was insufficient time to make a special tow.
- 5 No concentrations of plaice eggs were encountered.
- 6 50 Plaice muscle samples were collected and frozen.

V J Bye  
1 April 1975

SEEN IN DRAFT: G R F (Master)  
G F L (Fishing skipper)

INITIALLED: A J L

DISTRIBUTION:

Basic List

V J Bye

A P Scott

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