

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

1974 RESEARCH VESSEL PROGRAMME

REPORT R V CLIONE CRUISE 3

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

STAFF

- V J Bye
- Miss R T Harrop
- S H Stevens
- Htun Han (Burma)

DURATION

Left Lowestoft 1110 h 26 February
 Arrived Lowestoft 0640 h 5 March
 All times are Greenwich Mean Time

LOCALITY

Southern North Sea

AIMS

1. To collect fish endocrine organs for hormone assay
2. To collect live dabs
3. To collect dab gonads and brains
4. To collect live plaice
5. To collect muscle samples from rays
6. To collect live plankton

NARRATIVE

CLIONE sailed from Lowestoft at 1110 h, 26 February and proceeded to the Outer Silver Pit where she trawled until 1700 h, 4 March. Gales prevented fishing on one day. CLIONE docked at Lowestoft at 0640 h, 5 March.

RESULTS

- (1) Pituitary and hypothalamus were collected from at least 9,700 plaice and dabs and 320 cod, haddock and whiting. Pineal glands were collected from cod.
- (2) 87 live female dabs were brought back to Lowestoft for use in maturation experiments.
- (3) Dab gonads and brains were fixed for histological examination. Dabs covering the full size range were frozen for subsequent laboratory measurement of body, gonad and liver weights.
- (4) 35 live plaice were brought back to Lowestoft for growth experiments.
- (5) Wings were collected from Raja radiata and Raja batis for examination of muscle structure.
- (6) Two live plankton samples were brought back to Lowestoft

- (7) 25 1 Kilogram bags of small whiting were frozen for fish food
- (9) It was noticed that a number of dabs were suffering from sores or lymphocystis, of a sample of 130 dabs 56 (3.62%) had sores and 23 (1.50%) had lymphocystis. A sample of 401 plaice revealed 2 with sores and 1 with lymphocystis.

Samples of fish with sores and lymphocystis were fixed.

SEEN IN DRAFT A H B

INITIALED A H J

DISTRIBUTION

Basic List

V J Bye
Miss R P Harrop
S A Stevens
Htun Han

V J Bye
18.3.1974