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

1977 RESEARCH VESSEL PROGRAMME

REPORT: RV CLIONE: CRUISE 2

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

STAFF

V. J. Bye (NIC)  
D. Thompson } to 10 February  
M. Shaw }  
Miss M. Roberts  
R. Lyons (Leeds University)

DURATION

Left Lowestoft 2200 h 4 February  
Arrived Lowestoft 0700 h 15 February  
All times are Greenwich Mean Time

LOCALITY

Southern North Sea

AIMS

1. To collect spawning plaice and plaice eggs from specific spawning stocks for genetic experiments.
2. To collect live fish for laboratory experiments.
3. To collect and fertilize cod eggs for rearing at Lowestoft.
4. To collect endocrine tissues for hormone analysis.
5. To collect bulk blood from cod for extraction and identification of fibrin and thrombin.

NARRATIVE

We trawled for 3 days in the Western Mud Hole making good catches of spawning plaice and large, mature cod. In deteriorating weather we moved to the White Bank to work for one day trawling and collecting plaice eggs and plankton.

After moving overnight, CLIONE spent one day trawling at the Silver Pits before returning to Lowestoft to off-load live fish, eggs and frozen samples. Two members of staff disembarked at the same time.

CLIONE left Lowestoft on the same tide and returned to the Western Mud Hole to continue trawling for a further four days.

RESULTS

All the stated aims of the cruise were successfully completed. In addition:

1. 50 live plaice were collected for laboratory experiments on tagging mortality.
2. 20 immature live plaice were collected for the Weymouth laboratory to establish cell cultures.

