

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

1973 RESEARCH VESSEL PROGRAMME

REPORT: RV TELLINA: CRUISE 7B

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

STAFF

A Franklin
G D Pickett
N Hayward (University College, Aberystwyth) 20 June only

DURATION

Arrived Plymouth 1730 h, 15 June

Cruise ended 2130 h, 22 June to allow TELLINA to steam to Milford Haven

LOCALITY

South coasts of Devon and Cornwall

AIMS

To study queen (Chlamys opercularis) and scallop (Pecten maximus) populations between Fowey and Salcombe

NARRATIVE

Dredging was carried out using a 6' Isle of Man queen dredge between 17-20 June. A 5' Manx scallop dredge was used on 22 June. TELLINA was weatherbound in Plymouth on 21 June.

RESULTS

1. Queen scallops were present in the area in discrete populations and catches yielded between nil and over $\frac{1}{2}$ tonne per 20 minute haul. The queens were estimated to be mainly 3-4 year olds (though ageing by rings proved very difficult). Some were estimated to be 2-3 year olds and a few 1-2 year olds. The scarcity of the latter was due, in part, to gear selection.

The mean length of queens in the catches varied between 56-60 mm.

2. Despite differences in size composition in the various areas, the meat yield was fairly constant at between 125-130 muscle meats/lb. The percentage yield ($\frac{\text{muscle meat}}{\text{whole weight}}$) varied between 11-13%; the number of encrusting organisms was thought to be an important factor here.

3. O-group queens were found to be widely distributed in the area, attached to two species of hydroid and a polyzoan (as yet unidentified).

4. Pecten were obtained in most catches with a maximum of about 20 per 20 minute haul. The length ranged between 65 mm (estimated 3 year old) and 142 mm (10+ years old).

Andrew Franklin
29 June 1973

INITIALLED: AJL

SEEN IN DRAFT: W Burroughs (Skipper)

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Basic List

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