

TABLE III.—Macrofauna of the lower intertidal zone taken by quantitative and random diggings, and from substratum samples on 12, 13 and 14 May 1965. Abundance summarised thus: P = Present, F = Few, FC = Fairly Common, C = Common.

	Trans. I	Trans. II	Trans. III
NEMATODA (K.569 K)	—	—	P
POLYCHAETA			
<i>Abarenicola affinis</i>	P	P	C
<i>Aglaophamus</i> sp. (K.550 D)	—	—	P
<i>Arabella</i> sp. (K.467 C)	F	F	P
<i>Axiothella</i> sp. (K.008 C)	F	F	C
<i>Glycera americana</i>	—	—	F
<i>Haploscoloplos cylindrifera</i>	—	—	F
<i>Hemipodus simplex</i>	—	—	P
<i>Lumbrineris brevicirra</i>	F	F	FC
<i>Nerine antipoda</i>	FC	FC	FC
<i>Nicon</i> sp. (K.523 A)	P	—	—
<i>Orbinia papillosa</i>	FC	FC	F
<i>Perinereis nuntia</i> var. <i>brevicirrus</i>	F	F	FC
" " var. <i>vallata</i>	—	P	F
" " (intermediate)	P	—	F
? <i>Phyllodoce</i> sp. (K.557 D)	—	—	P
<i>Polydora</i> sp. (K.569 G)	—	—	C
<i>Scolecoplepides benhami</i>	—	P	C
<i>Scoloplos (Leodamas)</i> sp. (K.455 F)	FC	—	F
<i>Syllis brachyola</i> (K.550 C)	—	—	F
OSTRACODA			
<i>Cylindroleberis</i> sp. (K.569 A)	—	—	P
STOMATOPODA			
<i>Lysiosquilla spinosa</i>	—	—	P
ISOPODA			
<i>Exosphaeroma ? lanceolatum</i> (K.540 B)	—	F	—
<i>Isocladus armatus</i>	F	F	—
AMPHIPODA			
<i>Heterophoxus stephenseni</i>	P	P	F
Blind (K.516 G)	P	P	—
THALASSINIDEA			
<i>Callianassa filholi</i>	F	F	F
BRACHYURA			
<i>Ovalipes bipustulatus</i>	—	—	F

A.—Macrofauna of the lower intertidal zone (Table III).

(i) The main or western part of Armer's Beach (clear of the stream) has a fauna that is rather sparse both in variety and abundance of any species. It is therefore to be expected that several species show apparently disrupted, or patchy, vertical distribution and comparison of Figures 2 and 3 suggests that the two transects do not differ significantly in their faunas. It is reasonable to augment our knowledge by considering similar diggings made on 27 August 1965 around L.W.S.T., predicted then as being at +0.1ft (relative to tidal datum), which is considerably further down the beach than Station I/1. The August diggings found the following: *Axiothella* (very common), *Lumbrineris* (common), *Callianassa* (fairly common), *Orbinia* (few), one blind amphipod (K.642 M) (Morgans, 1965) and other amphipods (K.642 L and K.643 C-F) (few), *Perinereis nuntia* var. *brevicirrus* (present), *Abarenicola* (present), *Aglaophamus* sp. (present) and an ostracod (K.643 B). These records are not only valuable in filling out knowledge of vertical distributions but they show that this beach may have quite a rich if rather undiverse fauna a few inches above datum level.