

ASPECTS OF THE NATURAL HISTORY
OF THE HAWAIIAN MARINE SHRIMP,
PENAEUS MARGINATUS

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BY
ROBERT D. CORDOVER

THESIS COMMITTEE:
THOMAS A. CLARKE, CHAIRMAN
RICHARD E. YOUNG
EDWARD A. LAWS

ABSTRACT

Adult and juvenile *Penaeus marginatus* were studied in their deep water and nearshore environments at Oahu, Hawaii during 1970-1972. Monthly stations occupied at depths between 75-220 m off Haleiwa, Oahu provided information on abundance, distribution, and reproductive pattern of adult shrimp. A day-night feeding migration is suggested. Weekly samples taken on the littoral of Kaneohe Bay, Oahu, suggest that particle size of the substrate is an important factor in juvenile shrimp distribution. Recruitment of juveniles is continuous throughout the year.