

ON THE ECOLOGY OF THE FAMILY PHRONIMIDAE (CRUSTACEA-AMPHIPODA)

IN THE WESTERN PACIFIC (Abstract)

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From December 1965 to August 1967, the R.V. "Coriolis" of the Centre ORSTOM de Nouméa (New-Caledonia) carried out 9 cruises in the western Pacific along 170°E.

Nine species of the family Phronimidae not previously reported from this area were identified. The most abundant of them were quantitatively analyzed and their distributions plotted between 5°N and 20°S.

The greatest densities of individuals are noted in equatorial waters but there is evidence of a temporary decrease when a convergence takes the place of the upwelling. Only 6 species appear in these nutrient rich waters. These are : Phronima sedentaria, P. atlantica, P. solitaria, P. pacifica, P. curvipes and Phronimella elongata.

Phronimids in tropical waters are collected in small numbers. Nine species are recognized and 3 of them (P. colletti, P. bucephala and P. stebbingi) do not occur north of 8°S.

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Repelin Robert (1972)

On the ecology of the family *Phronimidae* (*Crustacea-Amphipoda*) in the Western Pacific (abstract)

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