

DISTRIBUTION ET CAPACITES D'EXPANSION DES CREVETTES D'EAU DOUCE DE LA REGION CARAÏBE : EXEMPLE DES GENRES *MACROBRACHIUM* ET *ATYA* (CRUSTACEA : CARIDEA)

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ABSTRACT.— Distribution and expansion abilities of Caribbean freshwater prawns : example of *Macrobrachium* and *Atya* genera (Crustacea : Caridea). Distribution and expansion abilities of Caribbean freshwater prawns are reviewed in relation to *Macrobrachium* and *Atya* genera. A typical « continental » fauna (12 species) and a more spread « littoral » fauna (15 species) are opposed. However, two species present intermediate features. NE South America (Orinoco River and northerly river basins) exhibits a relatively high species richness (83 % of the recorded species) because it provides the three fauna types with a place to live. On the contrary, the rest of the study area, with only littoral parts, houses only littoral type species. Colonization abilities of the three species groups are reviewed. They greatly depend on reproductive strategies that may use a potential dispersive marine phase, or not.

KEY-WORDS.— Geographical distribution, Colonization, Reproduction strategy, Caribbean, *Macrobrachium*, *Atya*

RESUME.— Une synthèse des connaissances actuelles de la distribution et des capacités d'expansion des genres *Macrobrachium* et *Atya* dans l'ensemble des bassins versants de la région caraïbe est présentée. Une faune typiquement « continentale » (12 espèces) s'oppose à une faune « littorale » plus largement distribuée et présente à la fois dans les îles et sur le continent (15 espèces). Deux espèces présentent cependant des caractéristiques intermédiaires. La grande richesse spécifique (83 % des espèces recensées) du NE de l'Amérique du Sud (Orénoque et bassins versants atlantiques plus au Nord) est expliquée par le fait que ce bloc géographique comporte à la fois des zones estuariennes et des eaux intérieures et abritent donc les trois types de faune contrairement au reste de la zone d'étude qui n'est que littorale. Les capacités d'expansion des espèces constitutives de ces trois groupes sont revues. Elles sont grandement associées au type de reproduction qui peut impliquer une phase marine, potentiellement dispersive, ou non.

MOTS-CLES.— Distribution géographique, Colonisation, Stratégie de reproduction, Caraïbe, *Macrobrachium*, *Atya*

INTRODUCTION

La Caraïbe est une région géologique complexe, avec une histoire géologique aussi compliquée que sa configuration actuelle (ANDREIEFF *et al.*, 1987). Elle est constituée de la partie littorale des terres cerclant la Mer des Caraïbes : les côtes de l'Amérique Centrale à l'ouest et de l'Amérique du Sud au sud, l'arc insulaire des Petites Antilles à l'est et les quatre Grandes Antilles et leurs îles associées au nord (Fig. 1). Un tel complexe géographique est particulièrement fertile pour les études biogéographiques comme en témoigne l'abondante littérature (*e.g.*, DARLINGTON, 1938; ROSEN, 1976; CHALUMEAU, 1983; LIEBHERR, 1988; WOODS, 1989; LESCURE *et al.*, 1991; KAISER *et al.*, 1994). La faune caraïbe continentale est, selon DARLINGTON (1957), issue en partie de l'Amérique du Nord et en partie de l'Amérique du Sud. Les faunes Sud et Nord-Américaines ont ensuite pu coloniser les Antilles (DARLINGTON, 1938). Ces faits sont

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