



NEWSLETTER

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I.N.R.A. F 74203 THONON, FRANCE

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a Symposium on "Crayfish distribution patterns" will be held at Louisville, Kentucky in December 1982. This Symposium will be organized by Prof. James F. Payne (Memphis State University - Memphis Tennessee 38152 USA) at the request of Crustacean Society and during the meeting of the American Society of Zoologists.

Abstract of the meeting : "Because a fossil record of crayfish is lacking, studies and discussions concerning present distribution patterns must be based on others factors. This symposium examines recent advances in our understanding of various factors which influence or determine the distribution of selected taxa of Holarctic crayfishes. Data on the present distribution patterns of epigeal and hypogean groups are presented, and viewpoints on various factors which influence these patterns are given. Aspects of interspecific competition, trophic ecology, and breeding behavior are discussed. Physiologic adaptations to specific environments, tolerance to selected environmental variables, and substrate type are analyzed. Man's influence on crayfish distribution patterns through species transplantations and environment modification are considered. Correlation of the distribution of crayfish with their branchiobdellid annelid and entocytherid ostracod symbionts is described. The symposium concludes with a panel discussion on "Interpretation of Crayfish Distribution Patterns" where the major ideas from fourteen presentations are considered and synthesized".

For more details contact Prof. James F. Payne.

French meeting on crayfish aquaculture. More than 40 participants attended this meeting organized for two days at Sete by "Université des Sciences et Techniques du Languedoc". A review of scientific and practical knowledge on crayfish was made in the view of potential intensive crayfish cultivation. An abstract could be obtained writing to Mrs Prof. Vernet, Laboratoire de Physiologie des Invertébrés, Place E. Bataillon - F 34060 Montpellier Cédex France.

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Recent crayfish literature

- Jay, D., Holdich, D.M., 1981 - The distribution of the crayfish *Austropotamobius pallipes*, in British waters. *Freshwater Biology* 11 : 121-129.
- Jones, J.B., 1981 - Growth of two species of freshwater crayfish (*Paranephrops*) in New Zealand. *N.Z. Journal of Marine and Freshwater Research* 15 (1) : 15-20.
- Jones, J.B., 1981. The aquaculture potential of N.Z. freshwater crayfish. *N.Z. Agricultural Science* 15 (1) : 21-23.
- Morrissy, N.M., Caputi, N., 1981 - Use of Catchability for population estimation of Marron, *Cherax tenuimanus* (Smith) (Decapoda : Parastacidae). *Aust. J. Mar. Freshwater Res.*, 1981, 32 : 213-25.

President's message :

The association of Astacology is a kind of unique Organization in the sense that within it we combine both theoretical and applied crayfish research with aquaculture and commercial use of crayfish.

Geographically our membership covers several continents both East and West, North and South, thus there exist a great variety of interests which has contributed to the lively discussions and interesting presentations in all the past Crayfish Symposia.

The same will certainly happen again in the meeting of California for which we are preparing.

One of the future tasks of the Association will be harmonization of the interests and goals so that crayfish fisheries can be developed in integration with other fisheries and with other uses of natural resources. This problem may be more acute in areas where there has been no crayfishing before, e.g. in tropical countries.

May I give best wishes for success of the Association and its next President Dr A. Stellan Karlsson, whom I personally know to be very able man.

After California we all meet again in Sweden.