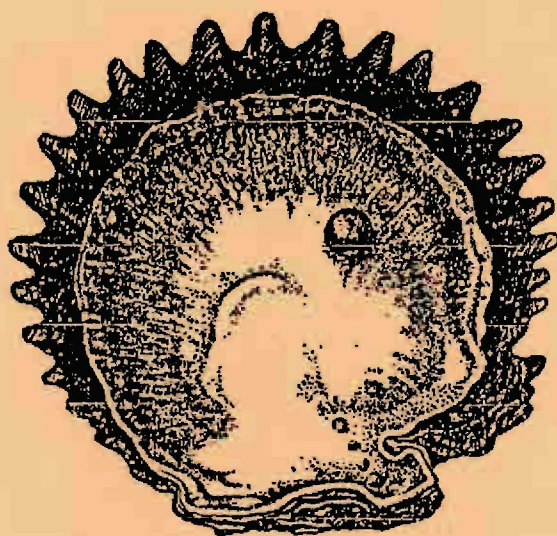


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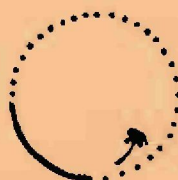
**A SELECT BIBLIOGRAPHY ON THE BIOLOGY, ECOLOGY AND
CULTURE OF PEARL OYSTERS**

**BIBLIOGRAPHIE SELECTIVE SUR LA BIOLOGIE, L'ECOLOGIE
ET LA CULTURE DES HUITRES PERLIERES**

Neil Anthony Sims



**Fisheries Information Project
South Pacific Commission
Noumea, New Caledonia**



**Projet sur l'information halieutique
Commission du Pacifique Sud
Nouméa, Nouvelle-Calédonie**

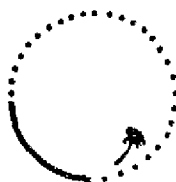
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INTRODUCTION

There is growing interest and awareness among Pacific Island countries of the potential for development of pearl culture industries in their waters. This has been largely due to the continuing expansion of the industry in French Polynesia, and the recent establishment of a culture industry in the Cook Islands.

The 1989 SPC Regional Technical Meeting on Fisheries recommended a greater level of co-operative research and information exchange on pearl culture research and development between the Commission's member countries. Increased access to the published literature can only result in more appropriate, directed research, and more informed management decisions.

In compiling the bibliography, a total of 134 references have been selected from the available literature. Special emphasis has been placed on the development of, and methods used in, culture industries elsewhere. Some aspects of the biology and ecology of pearl oysters have received particular attention, such as the level of genetic interaction between populations, selective breeding experiments, and pathogens and parasites of pearl oysters. As pearl oyster biology is best understood for the intensively cultured species, *P. fucata* and *P. fucata martensii*, these are also covered.

Other useful bibliographies are to be found in Intes, A. and M. Coeroli (1985), Mahedevan, S. (1987), and in the various country-specific fisheries bibliographies prepared by Bob Gillett of the FAO/UNDP Fishery Support Programme in Suva. Together, these represent a listing of most of the relevant literature. It is hoped that this publication will be followed, in the near future, by reviews of the literature of special interest to Pacific pearl oyster workers. Updates of recent literature will also be maintained through the SPC Fisheries Information Project's *Pearl Oyster Information Bulletin*. Readers are encouraged to submit reference listings of useful papers to the *Bulletin's* editor, or to the SPC Fisheries Information Officer.

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INTRODUCTION

Les pays insulaires du Pacifique sont de plus en plus conscients du potentiel que représente le développement des industries perlicoles dans leurs eaux territoriales et y portent un intérêt accru. Cette évolution est largement attribuable à l'expansion soutenue qu'a connue cette industrie en Polynésie française ainsi qu'à la récente mise sur pied d'une industrie de perliculture aux Îles Cook.

En 1989, la Conférence régionale technique sur les pêches de la CPS avait recommandé que la coopération en matière de recherche et l'échange d'information sur la recherche et le développement dans ce secteur s'intensifient entre les pays membres de la Commission. Un plus large accès aux ouvrages spécialisés ne pourra que favoriser des efforts de recherche plus appropriés et plus ciblés et des décisions de gestion plus éclairées.

Lors de la préparation de la présente bibliographie, cent trente-quatre ouvrages de référence ont été sélectionnés. L'accent a été mis plus particulièrement sur le développement des industries perlicoles dans d'autres régions du monde et sur les méthodes qui y sont utilisées. Certains aspects de la biologie et de l'écologie des huîtres perlières sont également abordés en détail (niveau d'interaction génétique entre populations d'huîtres, expériences d'élevage sélectif, pathogènes et parasites des huîtres perlières etc.). On trouvera également des informations relatives aux variétés *P. fucata* et *P. fucata martensii*. Ces deux espèces, qui font l'objet de cultures intensives, sont en effet celles dont on comprend le mieux la biologie.

On trouvera d'autres sources bibliographiques dans les ouvrages de A. Intes et M. Coeroli (1985), S. Mahedevan (1987), ainsi que dans les diverses bibliographies par pays sur les ressources halieutiques compilées par Bob Gillett, du Programme régional FAO/PNUD de développement de la pêche dans le Pacifique Sud (Suva). Nous espérons que dans un proche avenir, la présente bibliographie sera suivie de publications périodiques sur les ouvrages spécialisés récemment parus revêtant un intérêt tout particulier pour les spécialistes de la perliculture. Les parutions récentes seront également mentionnées dans le "*Bulletin d'information sur l'huître perlière*" du projet sur l'information halieutique de la CPS. Les lecteurs sont invités à envoyer les références des documents qui leur paraissent intéressants à l'éditeur du bulletin ou au chargé de l'information halieutique de la CPS.

La Commission du Pacifique Sud exprime sa reconnaissance au gouvernement du Royaume-Uni pour l'aide financière qu'il lui a apportée et qui a permis la publication du présent document.

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SUBJECT LISTINGS

LISTE PAR SUJET

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Exploitation and management Stock assessment	Exploitation et gestion Evaluation du stock
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Species
Pinctada albina

Espèces
Pinctada albina

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