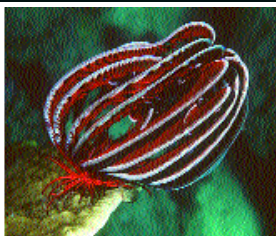
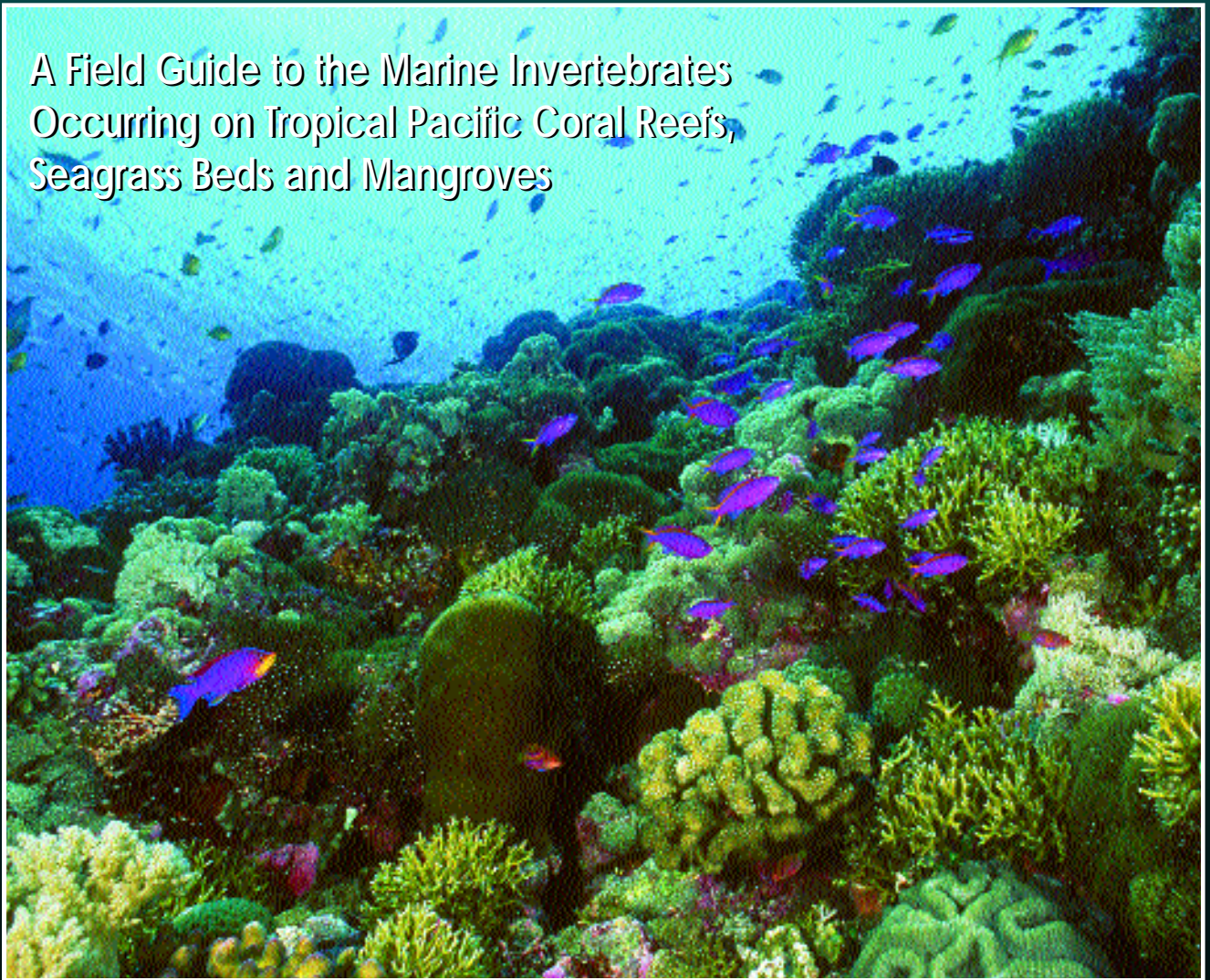


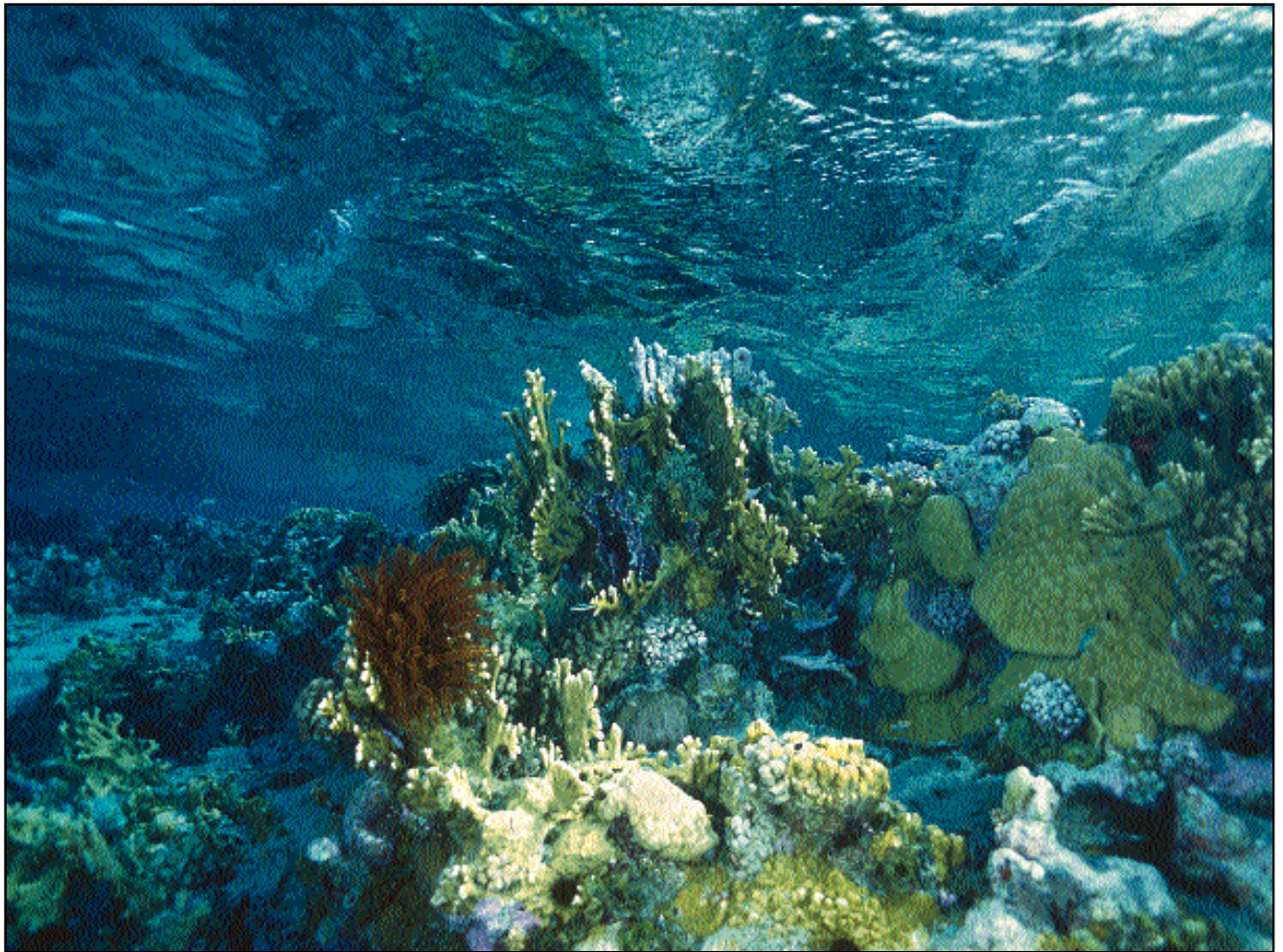
Tropical Pacific Invertebrates

A Field Guide to the Marine Invertebrates
Occurring on Tropical Pacific Coral Reefs,
Seagrass Beds and Mangroves



Patrick L. Colin
&
Charles Arneson

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Invertebrates



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Seagrass Beds and Mangroves

by

Patrick L. Colin and Charles Arneson

with photographs by the authors



Dedicated to
Lori Jane Bell Colin
and the memory of Charles E. Cutress

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Frontispiece- Reef building corals thrive in the clear, shallow waters of the tropical Pacific. This picture was taken in a shallow pass through the barrier reef at Losap Atoll in the Federated States of Micronesia.

The Coral Reef Research Foundation was established in 1991 to promote research and education on coral reefs and other tropical marine environments. This volume is a contribution by CRRF toward that goal. A portion of the profits from this volume will support activities of the Coral Reef Research Foundation.

A publication of The Coral Reef Research Foundation

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— **A** *Acknowledgements* **A** —

The idea to produce a pictorial guide to tropical Pacific invertebrates arose out of two interrelated events, the formation of the non-profit Coral Reef Research Foundation and a contract award to that Foundation by the U.S. National Cancer Institute. Our goal in forming the Coral Reef Research Foundation was to re-establish a marine research laboratory to support basic research on atoll ecosystems in the central Pacific. The idea was to fill the void left by the closure of the Mid Pacific Marine Laboratory on Enewetak in 1983. In fulfillment of that goal we now have two new research laboratories, one in Chuuk and the other in Palau, which serve as bases for further study on marine biodiversity by us and scientists from all nations. The National Cancer Institute research project involves careful collection, database development and identification of marine invertebrate species for cancer and AIDS drug development. This book is a result of our past and current studies and is our first attempt at organizing field notes, photographs and identifications into a volume that can be used by everyone.

We have been fortunate over the last fifteen years to work and live in a number of locations in the western Pacific. The opportunity for us to study, identify and photograph the organisms illustrated here is the result of help by fellow scientists, friends, governments and various research organizations. However, without the permission and interest of local peoples throughout the region, who allowed us to visit, dive and collect in their home waters, our work would not have been possible. While we cannot identify all of these individuals separately, we would first like to acknowledge their contributions and help during the studies that led to the completion of this volume. Needless to say, this book would not be possible without their unselfish support and cooperation.

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We welcome notification of errors detected in this book.

