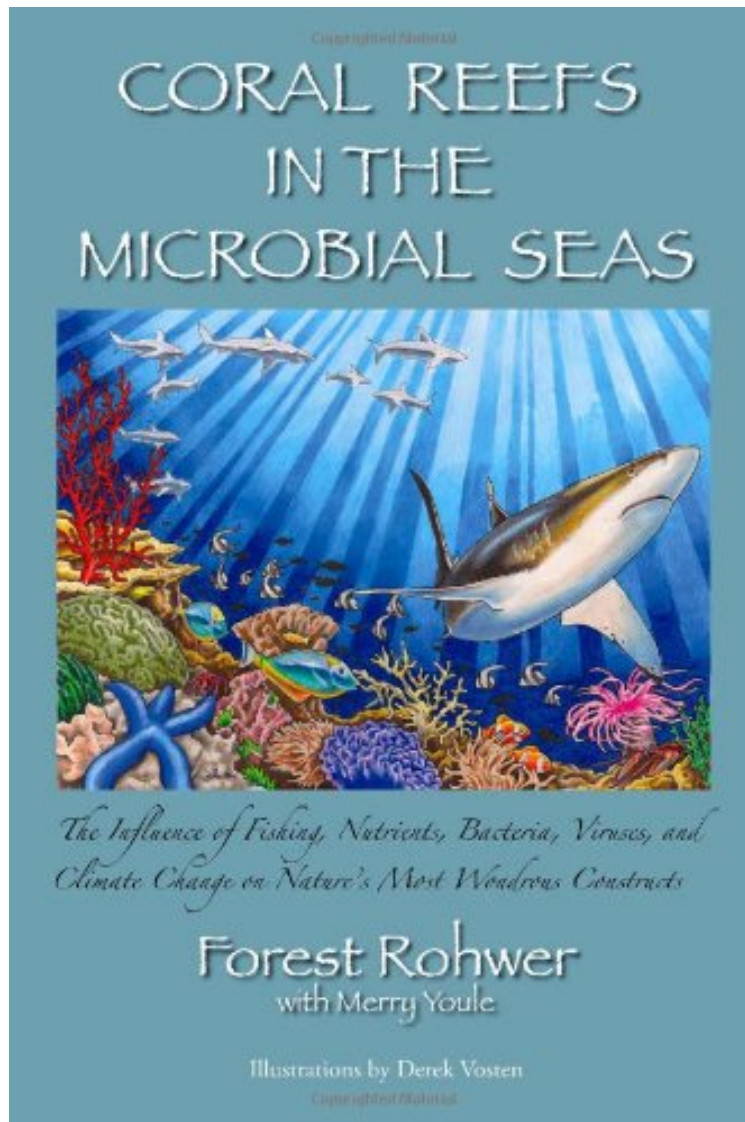


## Coral Reefs in the Microbial Seas

*Forest Rohwer, Merry Youle*  
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#694854 in Books Plaid Press 2010-06-01 Original language: English PDF # 1 9.02 x .47 x 5.981, .67 #File Name: 0982701209204 pages | File size: 25.Mb

**Forest Rohwer, Merry Youle : Coral Reefs in the Microbial Seas** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Coral Reefs in the Microbial Seas:

2 of 2 people found the following review helpful. Guidance for our survival, as well as for our reefs By Ray Coral Reefs in the Microbial Seas is a fabulous book. It is not only very informative [I see it as providing guidance to Humankind that goes far beyond the health of reefs to the health of our species], but also makes for amusing and easy reading. Anyone who has participated in "Field Trials" can identify with what it is like to collect data, away from our home

laboratory, and the descriptions of the scientists and their episodes have a genuineness that I appreciate [although the depth of sympathy for any hardships they encountered while SCUBA diving in spectacular waters may be a bit limited . . .]. I liked reading each of the chapters, and the logical progression of chapters that leads to the DDAM model is totally convincing. Very well done. I, like other reviewers, am pleased that Prof. Rohwer and Merry Youle have presented an Action Plan that can, possibly, reverse the devastating destruction of such an important part of our Ecosystem, but I generalize their guidance to be towards Sustainable Agriculture, both on our Lands and in our Seas. The Global Community, indeed! 3 of 3 people found the following review helpful. Excellent Resource for undergrad course or for pleasure! By BioProfNVI saw Rohwer speak at a Microbiology educators conference last year, and he was the most interesting and engaging of speakers - I had to get his book when it came out. The book is a fabulous read - it combines some fun story-telling from research expeditions with real research based science about coral reef biology. I'm absolutely considering using it as a supplemental reading in a biology course, because it combines genetics with ecology with microbiology - all bundled in this fascinating mystery of the dying reefs. Students will love it. To use it for an upper level course, I'll include a lot of primary literature articles (most referenced throughout Rohwer's book and in his "further reading" section), but he sets the stage beautifully and really illuminates the issue in a comprehensive way that is remarkably easy to understand and entertaining. Bravo to Rohwer for this beautiful and fun resource that spotlights the investigations into an ecological tragedy while still offering hope that the adaptive reefs can persevere with some changes in human practice. 2 of 2 people found the following review helpful. Excellent Introduction By Trevor This book blends rigorous academic ideas into a beautiful and witty story. It is an excellent introduction to coral ecology and the problems facing it (but goes far beyond "the reefs are dying, the reefs are dying" and dives right into the causes, the causes of the causes, and what the solutions are). All told through the pen of a wonderful writer. This is a rare book that could be used as supplementary material for a high school biology course, all the way to grad school. I would also expect my non-scientist parents to both enjoy reading and learn something from it. Everybody will be able to get different things out of it. I highly recommend it.

For millennia, coral reefs have flourished as one of the planet's most magnificent natural wonders. As Earth's most biodiverse ecosystem-surpassing even the rainforests-they are home to a cooperative network ranging from immense fish to sunlight-capturing algae to invisible microbes. Just how critical the microbes in particular are for coral reef health is finally understood thanks to recent discoveries. *Coral Reefs in the Microbial Seas* is the first book to unveil the complete story of how these relationships uphold coral reef health and what impact human activity has on this delicate balance.

This book brilliantly captures the lives of both coral reefs and the scientists that study them. It is a 21st century version of the *Log from the Sea of Cortez*--full of wisdom and humor. --Nancy Knowlton, Staff Scientist Emeritus of the Smithsonian Tropical Research Institute and holder of the Sant Chair in Marine Science at the Smithsonian's National Museum of Natural History. The demise of many coral communities in the oceans and the threat to the rest are among the most stirring concerns regarding the state of our planet. But precisely because we respond to these grim facts with distress we should become educated in the issues involved. The book by Rohwer and Youle provides the chance for such an education, and does so in a manner that is accessible to all. Written in a reader-friendly style that belies the authority of the authors, this book introduces the biological, physical, and anthropogenic issues related to corals and their tribulations. Perhaps not surprising are accounts of the relationship of people and bacteria to the health of corals. Not only do the authors accomplish a difficult task--to enlighten readers of a varied background of these issues--but they engage us personally with stories about the people who conduct this research. We are taken on board ship to witness the problems, big and small, that face expeditions to the coral reefs. This book is a standout in the genre of current science writing. --Moselio Schaechter, Distinguished Professor, emeritus, Tufts University, and author of *Microbe* and *In the Company of Mushrooms*. This book brilliantly captures the lives of both coral reefs and the scientists that study them. It is a 21st century version of the *Log from the Sea of Cortez*--full of wisdom and humor. --Nancy Knowlton, Staff Scientist Emeritus of the Smithsonian Tropical Research Institute and holder of the Sant Chair in Marine Science at the Smithsonian's National Museum of Natural History. A blessedly clear and concise book that beguiles you with love for sea and science, even as it delivers critical details, tiny and large, of what is happening in our world's waters. --Alan Weisman, author of *The World Without Us*. Reading this book was an engaging, entertaining, educational experience. --Stanley Maloy, Dean, College of Sciences, SDSU. The writing style is excellent, so much so that an intelligent reader with no previous knowledge of coral biology or microbiology can appreciate the beauty, importance and complexity of the coral holobiont (the coral host plus its associated microorganisms) and coral reefs. --Eugene Rosenberg, Professor, Department of Molecular Microbiology and Biotechnology, Tel Aviv University. The demise of many coral communities in the oceans and the threat to the rest are among the most stirring concerns regarding the state of our planet. But precisely because we respond to these grim facts with distress we should become educated in the issues involved. The book by Rohwer and Youle provides the chance for such an education, and does so in a manner that is accessible to all. Written in a reader-friendly style that belies the authority

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About the Author  
Forest Rohwer, Ph.D., is a world-renowned marine microbial ecologist. For over 20 years, he has been diving and researching on coral reefs, unraveling the mystery of their recent decline. He has received numerous awards for his scientific contributions, including the prestigious Young Investigators Award of the International Society of Microbial Ecology.

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