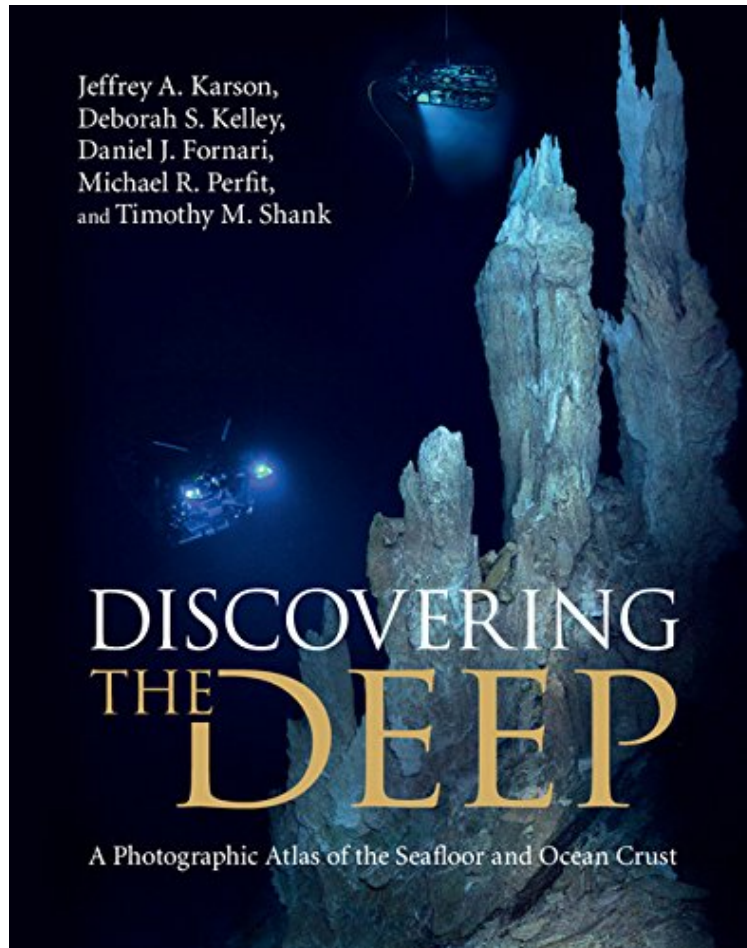


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Discovering the Deep: A Photographic Atlas of the Seafloor and Ocean Crust

Jeffrey A. Karson, Deborah S. Kelley, Daniel J. Fornari, Michael R. Perfit, Timothy M. Shank
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Jeffrey A. Karson, Deborah S. Kelley, Daniel J. Fornari, Michael R. Perfit, Timothy M. Shank : Discovering the Deep: A Photographic Atlas of the Seafloor and Ocean Crust before purchasing it in order to gage whether or not it would be worth my time, and all praised Discovering the Deep: A Photographic Atlas of the Seafloor and Ocean Crust:

0 of 0 people found the following review helpful. Don't buy the Kindle for PC e-book version By Laurel Kenner This review is just for the e-book version as it appears on Kindle for PC. The images are really small and can't be enlarged. Disappointing! I'm sure it's a nice coffee-table book, but the authors should have posted the photos as a slide show and made video available. 1 of 1 people found the following review helpful. Best for readers with some scientific background By jc This is an extraordinarily informative and comprehensive book. I learned a lot from it. It is not for the casual reader, however. The pictures are great, but the text is best described as "academic turgid." Academic

references are plentiful (which is good), but they appear in the middle of paragraphs instead of in footnotes (which is bad). It makes for pretty heavy reading unless you are a professional biologist or geologist. I got the Kindle version, which is fine on a 24 inch monitor. The pictures are too small for a normal Kindle. 4 of 4 people found the following review helpful. Both full of pictures for the uninitiated like me, but also with enough description to understand ...By Jason M Miller Both full of pictures for the uninitiated like me, but also with enough description to understand the biologic and geologic processes behind the fascinating pictures.

The deep oceans and global seafloor are truly Earth's last frontier. They remain largely unexplored, yet are critical to our survival on this planet. This magnificent, full-color volume transports you to bizarre landscapes hosting exotic life forms that rival the most imaginative science fiction. Starting with a historical summary of seafloor exploration and the developing technologies used to study this extreme environment, it then describes the distinctive geologic components of the Earth's ocean floor and the unusual biological communities found along the mid-ocean ridges. This is an indispensable reference for researchers, teachers, and students of marine science, and a visually stunning resource that will enlighten and intrigue oceanographers and enthusiasts alike. A suite of online resources, including photographs and video clips, combine with the book to provide fascinating insights into the hidden world of seafloor geology and biology using the latest deep-sea imaging and geological concepts.

"Though it's fashionable to say we know little about the mysteries of the deep, this book shows the vast wealth of understanding that pioneering researchers have already gleaned, with their probing sound waves, persistent robots and courageous submariners. This is the book I wish I'd had on my eight deep ocean expeditions, to better understand the wonders I was gazing upon. A must-own for anyone in the ocean sciences, and for those simply curious about what lies down there in the most remote realm on our planet." James Cameron, explorer and film-maker "Discovering the Deep will open your eyes to the largest and most unexplored region on Earth - the global mid-ocean ridge. My own introduction to the mid-ocean ridge began with the famous Expedition to the Mid-Atlantic Ridge in 1974, and this beautifully illustrated and comprehensive account shows how far we have come over the last forty years in our understanding of this fundamental tectonic feature of the Earth and the technology required to investigate it. Not since Bruce Heezen and Charlie Hollister's classic book, *The Face of the Deep*, first published in 1971, have we seen such a comprehensive photographic atlas of what lies in the hidden depths of the sea." Robert D. Ballard, President of the Ocean Exploration Trust "Discovering the Deep is an exquisite synthesis of the complexity of natural processes, the beauty of oft unseen environments, and the critical scientific discoveries of our recent past. To read this volume is to become an enlightened traveller into the fascinating realm of the seafloor and ocean crust. No student of the natural world should be without this magnificent atlas of our planet's richly structured deep ocean environment." Kathryn D. Sullivan, former NASA astronaut, and Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator "It is ... thrilling to read and/or page through this impressive book by five of the world's experts in marine science. Indeed, authors Karson, Kelley, Fornari, Perfit, and Shank combine their vast collective knowledge of the processes that are responsible for the origin and evolution of the ocean floor and crust to produce a book that this reviewer believes sets a new standard of excellence in both content and clarity in unraveling the mysteries of the mid-ocean ridge - the largest and most prominent geological feature on Earth." William E. Seyfried, Jr, Oceanography
About the Author Jeffrey A. Karson is Professor of Geology in the Department of Earth Sciences at Syracuse University and a Fellow of the Geological Society of America. He investigates the interplay of magmatic construction and mechanical deformation of extensional and transform fault environments from ophiolites, contemporary oceanic crust, Iceland, continental rifts and continental margins. Professor Karson has participated in numerous field projects and seafloor research cruises worldwide. He is the author or co-author of over 150 publications on seafloor spreading and related phenomena. Deborah S. Kelley is a Professor in the School of Oceanography at the University of Washington and also Associate Director of Science for the first US underwater high-power, high-bandwidth cabled observatory, funded by the NSF. She is the former Chair of the UNOLS Deep Submergence Science Committee. Her research examines the linkages between submarine volcanoes, underwater hot springs and how they support life in the absence of sunlight. Dr Kelley has participated in over 35 blue water cruises routinely using robotic vehicles, and has been on over 50 Alvin deep-sea submersible dives, to depths as great as 4000 meters. Daniel J. Fornari is a marine geologist and Senior Scientist at the Woods Hole Oceanographic Institution (WHOI). He was the first Chief Scientist of Deep Submergence at WHOI, a past Director of WHOI's Deep Ocean Exploration Institute (DOEI) and was a Chair of the Ridge 2000 Program, a NSF-funded national program studying mid-ocean ridges. Dr Fornari is the author or co-author of over 100 research publications and has participated in over 100 research cruises and as many dives in deep-sea submersibles. His research focuses on volcanic and hydrothermal processes along the global mid-ocean ridge, using a variety of surface and deep-towed sonar systems, submersibles, ROVs and AUVs. Michael R. Perfit is Professor of Geological Sciences at the University of Florida, where he has received several awards for excellence in teaching. He has co-authored more than 100 scientific publications on volcanism and magma genesis at oceanic spreading centers and seamounts. Dr Perfit has participated in 30

oceanographic research cruises and taken more than 35 dives in Alvin. He has served as the Chair of the Deep Submergence Science Committee, and is also a Fellow of the Geological Society of America and the American Geophysical Union, and a Trustee of the Consortium for Ocean Leadership. Timothy M. Shank is an Associate Scientist in the Biology Department of the Woods Hole Oceanographic Institution and Director of WHOI's Ocean Exploration Institute. His research focuses on ecological and evolutionary processes that affect ecosystem structure, faunal evolution and biodiversity in the deep sea. Dr Shank has conducted more than 57 scientific expeditions, using a wide variety of submersibles, ROV and AUV systems (including more than 50 Alvin dives). He is currently the Director of the Hadal Ecosystems Studies Program, pioneering the first research use of the full-ocean depth hybrid ROV (Nereus) in the deepest trenches.