

Earth Day Lecture

Brave New Ocean

Dr. Jeremy Jackson

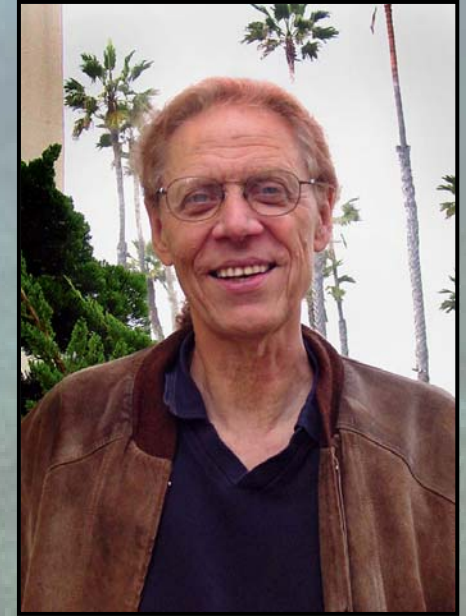
William E. and Mary B. Ritter Professor of Oceanography
Scripps Institution of Oceanography, La Jolla, California

Thursday, April 19th

5:30 PM Refreshments, 5:45 PM Lecture

Pancoe-ENH Abbott Auditorium

2200 Campus Drive, Evanston Campus



courtesy of Scripps

The great mass extinctions of the fossil record were a major creative force that provided entirely new kinds of opportunities for the subsequent explosive evolution and diversification. Today, the synergistic effects of human impacts are laying the groundwork for a comparably great Anthropocene mass extinction in the oceans with unknown ecological and evolutionary consequences. Synergistic effects of habitat destruction, overfishing, introduced species, warming, acidification, toxins, and massive runoff of nutrients are transforming once complex ecosystems into anoxic dead zones, and transforming complex food webs topped by big animals into simplified ecosystems with boom and bust cycles of toxic dinoflagellate blooms, jellyfish, and disease. We can only guess at the kinds of organisms that will benefit from this mayhem that is radically altering the selective landscape far beyond the consequences of fishing or warming alone.

Sponsored by:

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