

# Tree 'n Sea Living

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## 'Adult' coloring book teaches anthropology

Coloring books aren't just for children anymore. Adapting the Crayola techniques kids learn in kindergarten to a more sophisticated audience - from about 14 years of age on up - Adrienne Zihlman has designed and written **THE HUMAN EVOLUTION COLORING BOOK**.

The UCSC professor uses the book as a supplementary text in her introductory course in anthropology to clarify and to reenforce memorization of the complex concepts and processes of human evolution.

When the idea for the coloring book was first suggested to her, "I realized that many of the human characteristics I would be writing about are perfectly adapted for this kind of book," says Zihlman, "namely, color vision, hand-eye coordination, manual dexterity and a brain especially evolved for tool-using."

In 111 full-page plates, each accompanied on the facing page by explanatory text and coloring instructions, the author pulls together the basics of human evolution from molecules to monkeys to modern people.

"Writing a book gives you an opportunity to bring your own views to a subject," notes Zihlman. "This book has a point of view not always shared by other texts on human evolution. For example, I consider molecules to be facts about evolution as real as fossils and comparative

anatomy, and so molecular data are given equal emphasis with the more familiar evidence. Females and young, so often invisible in works on the evolution of 'man,' appear as equal participants. I have presented much of my own original research on comparative anatomy, fossils and pygmy chimpanzees but have tried to balance my own views with those of others."

As the author points out, the drawings in **THE HUMAN EVOLUTION COLORING BOOK** are not really illustrations; each one tells a story.

A coloring plate on locomotion, for instance, tells how we humans evolved anatomically from our arboreal past; another on blood groups visually describes one of the links between biochemistry and inheritance.

Zihlman readily admits that some of the plates may seem complicated at the outset, but "each has been designed to teach through the coloring process and has been tested by both experts and novices to that end."

Dedicated, in part, to Zihlman's students at UC Santa Cruz, **THE HUMAN EVOLUTION COLORING BOOK** is published in a soft cover, 8 1/4 x 11-inch format by Barnes and Noble, a division of Harper and Row and sells for \$8.95.



UCSC's Adrienne Zihlman and her evolution coloring book.