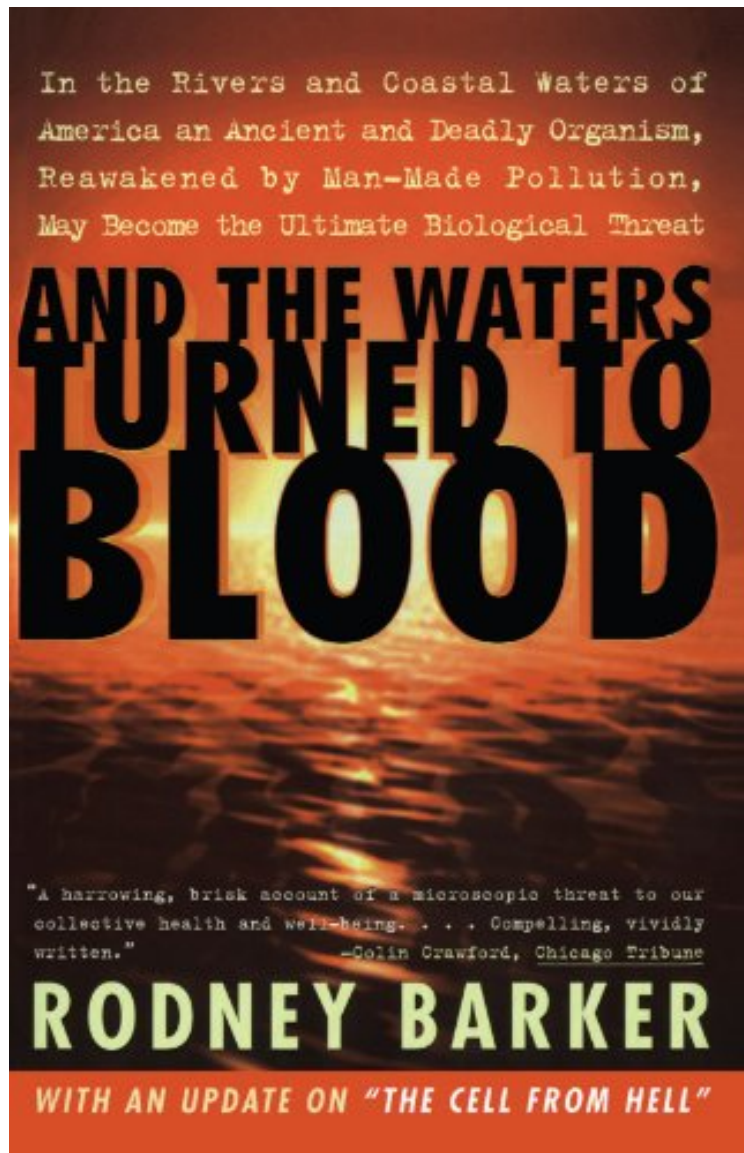


[Download] And the Waters Turned to Blood

## And the Waters Turned to Blood

Rodney Barker

*\*Download PDF / ePub / DOC / audiobook / ebooks*



[Download](#)

[Read Online](#)

#1098633 in Books Rodney Barker 1998-03-31 1998-03-31 Original language: English PDF # 1 8.44 x 1.10 x 5.50l, 1.05 #File Name: 0684838451363 pages ISBN13: 9780684838458 Condition: New Notes: BRAND NEW FROM PUBLISHER! 100% Satisfaction Guarantee. Tracking provided on most orders. Buy with Confidence! Millions of books sold! | File size: 67.Mb

**Rodney Barker : And the Waters Turned to Blood** before purchasing it in order to gauge whether or not it would be worth my time, and all praised And the Waters Turned to Blood:

0 of 0 people found the following review helpful. Excellent story. Well written and researched. By Cathy I live in Florida and I have to say that this book resonated with me here. We've gone through the same thing with Florida

waters and estuaries. It's upsetting though that most leaders especially on the state level still refuse to believe what's in front of them. What's the saying "it's difficult to get people to believe something when their paycheck depends on them not believing it." 0 of 0 people found the following review helpful. Five Stars By MZa must read! 4 of 4 people found the following review helpful. The shape of things to come? By Cecil Bothwell This is a book that really hit home in North Carolina a few years back. While the events related in this volume had already begun to shift environmental policy in the state, the book's publication tipped the balance. The well-told story herein is about environmental reality versus the environmental bureaucracy, and how the latter was finally forced to concede. NCSU scientist JoAnn Burkholder discovered an environmental threat of massive proportions; the state environmental establishment denied it; the scientist pursued it; and when the dust finally settled Burkholder had won. She proved that *Pfiesteria piscicida*, the "cell from hell," was alive and thriving in North Carolina's heavily polluted coastal estuaries, that unregulated industrial and agricultural pollution was to blame, and that numerous persons in the state government were giving lip service to environmental protection while protecting special interests. And she helped prove that rapidly proliferating fish kills were a warning flag that human health was in danger too. All of this grew out of Burkholder's accidental discovery of a strange dinoflagellate, unlike any seen before. (Dinoflagellates are evolutionary oddities in the first place: single-celled sea creatures which are sometimes considered to be plants, and sometimes animals.) Most related creatures have only a single form, but *Pfiesteria* can morph from cyst to whip-tailed swimmer to amoeba and back again, live in salt or fresh water, and change in size by a factor of 10. It can also steal chloroplasts from algae and run on photosynthesis when food is scarce. This charmingly adaptable little critter secretes a powerful collection of toxins and eats flesh. Ain't we got fun? Along the way the scientist herself fell victim to *Pfiesteria*'s toxin, while working in the laboratory before the threat was clearly understood. This no doubt contributed to her later work -- that is, after the nausea, debilitation and short-term memory loss faded in ensuing months. Her lab assistant fared less well, and permanently lost an estimated 15% of his cognitive abilities, though he was finally able to return to work administering the lab. Although this is the story of a battle won, the larger implication involves a war we may well be losing. As estuarine environments world-wide become more heavily loaded with industrial run-off, manure, sewage and other human waste products, we are creating conditions that may easily awaken (or nourish) nasty opportunists that have been quiescent since life cleaned up the ocean. Natural Step founder Karl Henrik Robert, explains our impact as re-toxifying an environment painstakingly scrubbed clean over millenia. Life has buried poisons in sediments, or locked them out chemically. The overall effect of human development has been to release many sequestered poisons. *Pfiesteria* may be a harbinger of fearful times to come.

In this account, Rodney Barker tells the full and terrifying story of a microorganism popping up along the Eastern seaboard - far closer to home than the Ebola virus and equally frightening. In the coastal waters of North Carolina - and now extending as far north as the Chesapeake Bay area - a mysterious and deadly aquatic organism named *Pfiesteria piscicida* threatens to unleash an environmental nightmare and human tragedy of catastrophic proportions. At the very center of this narrative is the heroic effort of Dr. JoAnn Burkholder and her colleagues, embattled and dedicated scientists confronting medical, political, and corporate powers to understand and conquer this new scourge before it claims more victims.

From the Back Cover In this account, Rodney Barker tells the full and terrifying story of a microorganism popping up along the Eastern seaboard - far closer to home than the Ebola virus and equally frightening. In the coastal waters of North Carolina - and now extending as far north as the Chesapeake Bay area - a mysterious and deadly aquatic organism named *Pfiesteria piscicida* threatens to unleash an environmental nightmare and human tragedy of catastrophic proportions. At the very center of this narrative is the heroic effort of Dr. JoAnn Burkholder and her colleagues, embattled and dedicated scientists confronting medical, political, and corporate powers to understand and conquer this new scourge before it claims more victims. About the Author Rodney Barker is the bestselling author of *The Broken Circle*, *And the Waters Turned to Blood*, and *The Trail of the Painted Ponies*. He lives in Santa Fe, New Mexico.