BOOK REVIEWS

Title: Loggerhead Sea Turtles  
Year: 2003  
Editors: Alan B. Bolten and Blair E. Witherington  
Publisher: Smithsonian Institution Press  
Pages: 319pp (hardback)  
Price: $55 USD  
To order: [http://www.sipress.si.edu/books/titles_books/1-58834-136-4.html]

The stunning photo on the cover of the Loggerhead Sea Turtles book, coupled with its generic title, might lead one to believe that this is a book for popular audiences. But please don't judge this book by its cover. This is a serious technical volume of 18 multi-authored chapters that resulted from the special session on the biology of the loggerhead sea turtle, convened during the 20th Annual Symposium on Sea Turtle Biology and Conservation, in Orlando, Florida, USA in 2000, organized by the editors.

Why, you may ask, do we need yet another technical sea turtle book that follows so closely on the heels of the successful Biology of Sea Turtles volumes I & II? While the B of ST I & II provide thorough, synthetic reviews of major themes in biology, ecology and conservation pertaining to sea turtles, they do not, and indeed could not, delve into lengthy details about any of the species. The Loggerhead Sea Turtles provides such details. It is organized into three sections: (1) biology and ecology, (2) geographic distribution, abundance and population status and (3) syntheses.

The biology and ecology section is comprised of 9 chapters, beginning with two informative chapters on the genetic and morphological definitions of a loggerhead turtle. One of the strengths of this first section is the wealth of information presented and beautifully summarized to describe the advances in our understanding of the early life history of loggerheads, a period of time that for many years was referred to as the "lost years". We now know more about the early life history of loggerheads than we do for any other sea turtle - from the time eggs are oviposited on beaches to the time they hatch and orient towards the oceanic zone and then travel in the open ocean for several years before returning to the neritic zone. The sub-adult and adult life stages are also represented in this section, with information presented about foraging areas, internesting habitats, and reproductive migrations.

The contributing authors to the second section of this book reflect the broad and global distribution of the species: from the western Atlantic to the Mediterranean to the Indian Ocean. These chapters provide valuable information on the distribution and current status of loggerhead populations in each of the respective regions, as well as details of the current threats and conservation efforts in the region.

The last section consists of 4 synthetic chapters that examine the role of loggerheads in marine ecosystems, their population dynamics, population models and finally conservation challenges and opportunities. These chapters tie together information presented in the first two sections of the book, they are masterfully written, and immensely valuable contributions to the literature.

My one criticism of this book is its organization. I suspect the editors planned their symposium before they planned their book and this likely drove much of its organization. I would have structured the biology and ecology section differently and would have added some more topics, but perhaps these will appear in "Loggerhead Sea Turtles II"?

Regardless of my one criticism, I believe that this book is one that every one should have on their shelf. Despite the fact that loggerheads are crusty and taste bad (as Witherington so eloquently describes in the last chapter) more is known about this species than any of the other sea turtles and we all can learn from and compare to the results of studies undertaken to learn more about this fantastic animal.

Reviewed by: Pamela Plotkin, East Tennessee State University, Box 70565, Johnson City, TN 37614.

Title: Saga of the Sea Turtle  
Author: Edison Cruz, Sr.  
Publisher: Turtle Kraals Museum  
Pages: 307  
Price: US $23.00  
To order: Online at [http://www.seaturtlemuseum.org/store.htm]

If Archie Carr is the grandfather of sea turtle conservation, then who are the great aunts and uncles? A few names immediately come to
There are some factual errors in the book. For instance, he suggests that the age of maturity for green turtles is about 10 years (p.255), also that loggerheads can neither hear nor see (p. 241-242). However, he freely admits on several occasions that he hasn't had enough time to fully observe or conduct research, and that some of his ideas may be at odds with those of zoologists or biologists. But one should not approach this book as a biological review of sea turtles. Rather, it is a historical account of fisheries, fishermen, and turtles in the Florida Keys from the pre- to post-World War II years by an eyewitness and participant. As such, there is much to be gleaned from these pages, such as how different fisheries were run and what the prices were 70 years ago, and also how turtles were captured, maintained on-board and eventually sold in the active turtle fishery in Florida. I was personally fascinated with the accounts of the "warts" on green turtles, otherwise known as fibropapillomatosis: it was seen by Blackie Cruz as early as 1913 in the Keys, and he reported that older fishermen had seen these tumors on turtles in the late 1800s. He also noted that it could be transmitted from wild-caught turtles with the tumors to captive-reared turtles if they shared the same tank and/or tankwater in captivity. All in all, Blackie Cruz's book is enchanting and engaging, and I recommend it to anyone interested in historical accounts of fishing and sea turtle conservation.

Reviewed by Matthew H. Godfrey, North Carolina Wildlife Resources Commission, 307 Live Oak Street, Beaufort, NC 28516 USA
Loggerhead turtles are named for their large heads that support powerful jaw muscles, allowing them to crush hard-shelled prey like clams and sea urchins. They are less likely to be hunted for their meat or shell compared to other sea turtles. Bycatch, the accidental capture of marine animals in fishing gear, is a serious problem for loggerhead turtles because they frequently come in contact with fisheries. Loggerhead sea turtles will have reached sexual maturity by the time their carapace exceeds 90 cm (35 in) in length. This usually occurs between 17 and 33 years of age. The breeding season takes place over 6 weeks in the early summer. The loggerhead sea turtle inhabits the temperate and tropical zones of the world with waters that have temperatures between 13°C to 28°C (56-82°F). The Atlantic, Indian and Pacific Oceans, as well as the Persian Gulf and the Mediterranean Sea, are the main places where they dwell. If they are not in the open ocean, they frequent the coastal waters, the mouths of rivers and coral reefs. Oman is the place with more nesting females while Florida is a