

## Proceedings of the Indiana Academy of Science



**VOLUME 115** 2006 NUMBER 1

## PROCEEDINGS OF THE INDIANA ACADEMY OF SCIENCE

The *PROCEEDINGS* OF THE INDIANA ACADEMY OF SCIENCE is a journal dedicated to promoting scientific research and the diffusion of scientific information, to encouraging communication and cooperation among scientists, and to improving education in the sciences.

EDITOR: James W. Berry, Department of Biological Sciences, Butler University, Indianapolis, Indiana 46208. Telephone: (317)-940-9344; FAX: (317)-940-9519; e-mail: jwberry@butler.edu

EDITORIAL BOARD: Hans O. Anderson (Indiana University, Bloomington); Robert F. Dale (Purdue University, West Lafayette); Rebecca Dolan (Butler University); Kara W. Eberly (St. Mary's College); Uwe J. Hansen (Indiana State University); Daryl R. Karns (Hanover College); Gene Kritsky (College of Mt. St. Joseph); Stephen A. Perrill (Butler University); Paul Rothrock (Taylor University); Thomas P. Simon (U.S. Fish & Wildlife Service, Bloomington); Michael R. Tansey (Indiana University, Bloomington); Robert D. Waltz (Indiana Department of Natural Resources, Indianapolis); J. Dan Webster (Hanover College); Harmon Weeks (Purdue University, West Lafayette); John O. Whitaker, Jr. (Indiana State University)

## THE INDIANA ACADEMY OF SCIENCE

PRESIDENT: Clare L. Chatot (Ball State University)

PRESIDENT-ELECT: John Robert Schutt (Taylor University - Ft. Wayne)

TREASURER: Edward L. Frazier (Indianapolis)

SECRETARY: Nils I. Johansen (University of Southern Indiana)

EXECUTIVE DIRECTOR: Nelson R. Shaffer (Indiana Geological Survey)

ARCHIVIST: Holly Oster (Indiana State Library)

*EXCHANGE ITEMS:* Items sent in exchange for the *Proceedings* and correspondence concerning exchange arrangements should be sent to the Indiana Academy of Science, John S. Wright Memorial Library, 140 North Senate Avenue, Indianapolis, Indiana 46204. Questions regarding back issues or undelivered issues should be addressed to Holly Oster at <a href="mailto:hoster@statelib.lib.in.us">hoster@statelib.lib.in.us</a>. Telephone (317)-232-3686.

Cover: The six cover photographs are all related to the article on least terns in this issue. Top row: Adult least terns and the Cane Ridge Wildlife Area adjacent to the Gibson Generating Station. Middle row: Ring-billed gulls eating eggs of the least tern. Bottom row: Coyote—one of many vertebrate predators—at the least tern nesting site; and a least tern egg and chick (about a day old). (Photo of adult least terns and aerial photo of Gibson Generating Station by Ron Austing of Cinergy; other photos by Travis DeVault.)

Visit the Indiana Academy of Science website at: www.indianaacademyofscience.org

Publication date: 31 August 2006

This paper meets the requirement of ANSI/NISO Z39.48-1992 (Permanence of Paper).