

Foraging is fundamental to animal survival and reproduction, yet it is much more than a simple matter of finding food; it is a biological imperative. Animals must find and consume resources to succeed, and they make extraordinary efforts to do so. For instance, pythons rarely eat, but when they do, their meals are large—as much as 60 percent larger than their own bodies. The snake's digestive system is normally dormant, but during digestion metabolic rates can increase fortyfold. A python digesting quietly on the forest floor has the metabolic rate of a thoroughbred in a dead heat.

Foraging is the first comprehensive review of the topic in more than twenty years. A monumental undertaking, this volume brings together experts from throughout the field to offer the latest on the mechanics of foraging, modern foraging theory, and foraging ecology. The fourteen essays cover all the relevant issues, including cognition, individual behavior, caching behavior, parental behavior, antipredator behavior, social behavior, population and community ecology, herbivory, and conservation. Considering a wide range of taxa, from insects to birds to mammals, *Foraging* will be the definitive guide to the field.

CONTRIBUTORS: Melissa M. Adams-Hunt, Peter A. Bednekoff, Anders Brodin, Joel S. Brown, Thomas W. Castonguay, Colin W. Clark, Kristin L. Field, Ian M. Hamilton, Robert D. Holt, Alasdair Houston, Andrew Illius, Lucia F. Jacobs, Tristan Kimbrell, Burt P. Kotler, Åke Lindström, John M. McNamara, Georgia Mason, John B. Mitchell, Jonathan A. Newman, Vladimir V. Pravosudov, Frederick D. Provenza, David Raubenheimer, Michael L. Rosenweig, Kenneth A. Schmidt, David F. Sherry, Peter Shizgal, David W. Stephens, Thomas A. Waite, Christopher J. Whelan, Stephen C. Woods, Ronald C. Ydenberg

DAVID W. STEPHENS is professor of ecology, evolution, and behavior at the University of Minnesota and coauthor, with J. R. Krebs, of *Foraging Theory*. JOEL S. BROWN is professor of biology at the University of Illinois at Chicago and author, with T. L. Vincent, of *Evolutionary Game Theory, Natural Selection, and Darwinian Dynamics*. RONALD C. YDENBERG is professor in the behavioral ecology research group and director of the Centre for Wildlife Ecology at Simon Fraser University.

Cover illustrations by Todd Telander

THE UNIVERSITY OF CHICAGO PRESS
www.press.uchicago.edu

ISBN-13: 978-0-226-77264-6
ISBN-10: 0-226-77264-0

