

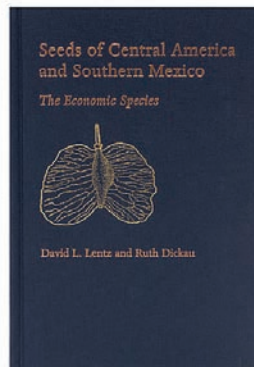
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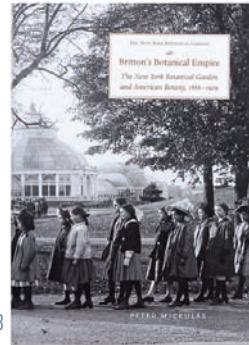


contents

- Classics, 3
- Ecology and Conservation, 4
- Advances in Economic Botany*, 6
- Memoirs of The New York Botanical Garden*, 8
- Journals, 12
- Special Discounts, 12
- Order Form, 13
- Flora Neotropica Monographs*, 14
- Regional Works, 17
- Cryptogams, 20
- Field Guides, 22
- ePublications, back cover



page 8



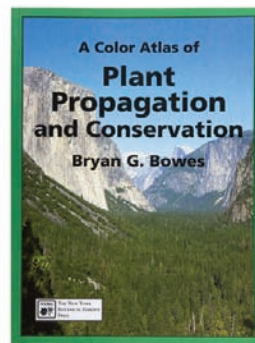
page 8



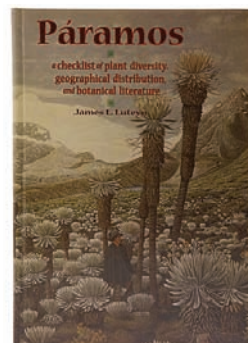
page 6



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page 8



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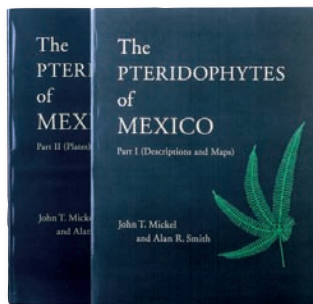
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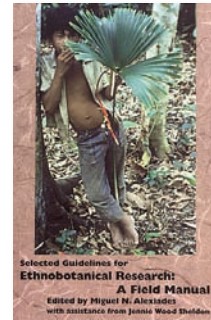
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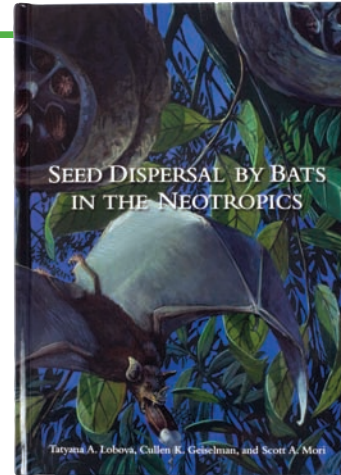
Seed Dispersal by Bats in the Neotropics

Tatyana A. Lobo, Cullen K. Geiselman, and Scott A. Mori

Bats play an important ecological role as seed dispersers in the New World tropics, a region with exceptional and unique diversity of plants and bats. This book provides a comprehensive treatment of all known bat-dispersed plants in the New World tropics, covering a total of 549 plant species in 62 families. Special emphasis is placed on the flowering plants and bat fauna of the relatively undisturbed forests of central French Guiana, where the authors have done years of intensive fieldwork.

- Detailed descriptions of 112 bat-dispersed species
- Color photographs to help identify fruits and seeds throughout the Neotropics
- Comparison and analysis of the diverse traits of bat-dispersed plants
- Examination of bat preferences for some fruiting plants over others
- Descriptions of the foraging ecology and feeding behaviors of the 37 fruit-eating bats found in central French Guiana
- Complementing appendices that allow the reader to determine all bat species reported to feed on the fruits of a particular plant and all fruiting plants in the diet of a particular bat species
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"A landmark contribution to our knowledge of fruits, frugivores, and seed dispersal in the New World tropics. [It] sets a rigorous standard."

—Theodore H. Fleming,
Bat Research News

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—Tiana Franklin,
Journal of the Botanical Research Institute of Texas

The Atlantic Coastal Forest of Northeastern Brazil

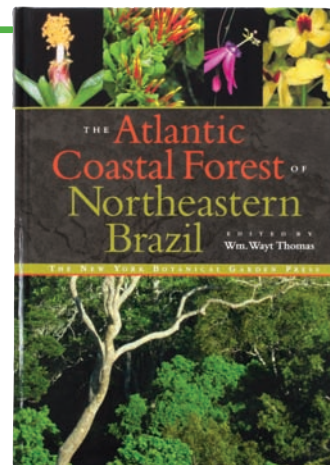
Wm. Wayt Thomas (editor)

Spanning more than 23° of latitude and stretching more than 4,000 km along the coast of Brazil, the Atlantic coastal forest actually comprises many different types of forest, each with its own floristic composition and conservation challenges.

This book lays a strong scientific foundation for conservation in this **biodiversity hotspot**. While most of the papers address the forests of a specific area, the authors place their conclusions in the context of the entire region, with the hope that a clearer understanding of the region's forests and ecology will lead to wise conservation decisions. Some topics include:

- Survey of forest vegetation types found in northeastern Brazil
- Descriptions of specific forest sites, from tabuleiro forests to the diverse forests of southern Bahia and the gallery forests of high-elevation meadows
- Surveys of the Linhares Reserve in Espírito Santo and the mountain-top forests of Pernambuco and Paraíba
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- A compilation of the common names of forest plants in southern Bahia

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A biodiversity hotspot has two essential features:

1. It has lost at least 70% of its original habitat due to human activity.
2. It contains at least 1,500 endemic plant species.

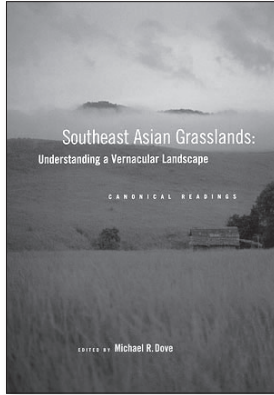
There are about 25 biodiversity hotspots worldwide. Together they comprise 1.4% of Earth's land surface but contain at least 44% of all plant species.

Source: Conservation International

Southeast Asian Grasslands

Understanding a Vernacular Landscape

Michael R. Dove (editor)



Local communities and non-local development agencies often hold opposing views of grasslands: Villagers may see grasslands as fragile, whereas officials see them as tenacious. This volume examines some of these constraints based on 50 years of canonical studies of Southeast Asia, a region with some of the world's most extensive and most intensely debated grasslands.

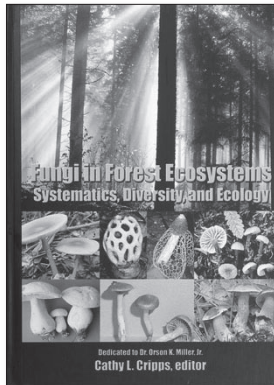
These studies reveal that the evidence to understand the dynamics of these grasslands has long been available, but it has generally had little or no impact on grassland policy. The perspective afforded by the studies in this volume encourages us to think not just about environmental problems, but also about the sociology of the science and policy that addresses such problems.

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Systematics, Diversity, and Ecology

Cathy L. Cripps (editor)



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Volume editor Cathy Cripps gathered contributions from researchers across the globe to document a diversity of fungi and the critical roles fungi play in forest health and function.

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Eduardo S. Brondízio

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— Nigel Smith, *Human Ecology*

This remarkable book tells the story of the boom in the economy surrounding the açaí fruit produced by the palm tree *Euterpe oleracea* Mart. The author examines the development of the production systems and commodity chains required to supply the burgeoning demand for this fruit during its rise from a rural staple to a chic health food delicacy in international markets.

The book also carefully reconsiders the contested and stigmatized history of the social identity of caboclos. The Amazonian caboclos who inhabit the Amazonian estuarine floodplains are, in a very real sense, forest farmers. They have been transforming their forest environment, sometimes imperceptibly, for generations. The boom in açaí provides an invaluable window through which we can view the society, ecological knowledge, and economic life of those who produce the fruit.

Dr. Charles Peters, editor of the Advances in Economic Botany series, comments, "Eduardo Brondízio's treatment of caboclos and açaí sets a new standard in the study of people and plants. His monograph goes beyond description to provide key insights into why things unfolded the way they did in the Amazon estuary and what this means for the future forests and farmers of the region. For that reason, this is an important work."

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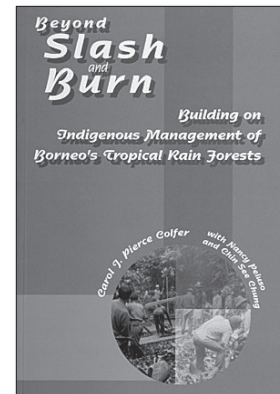
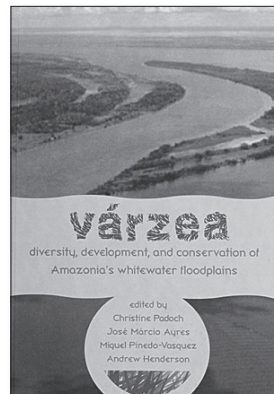
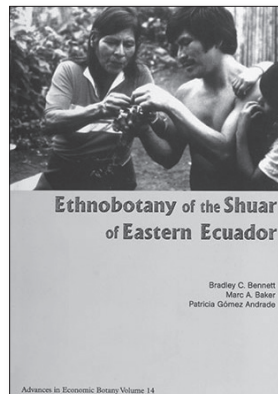
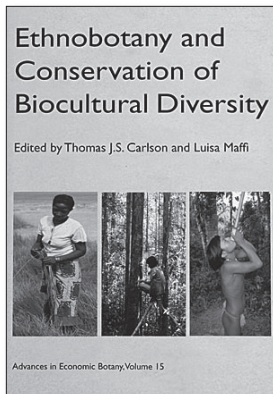
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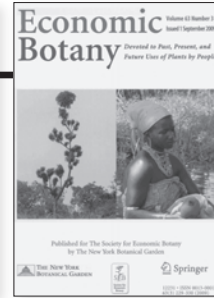
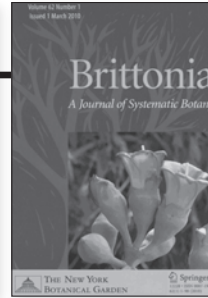
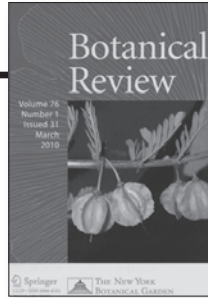
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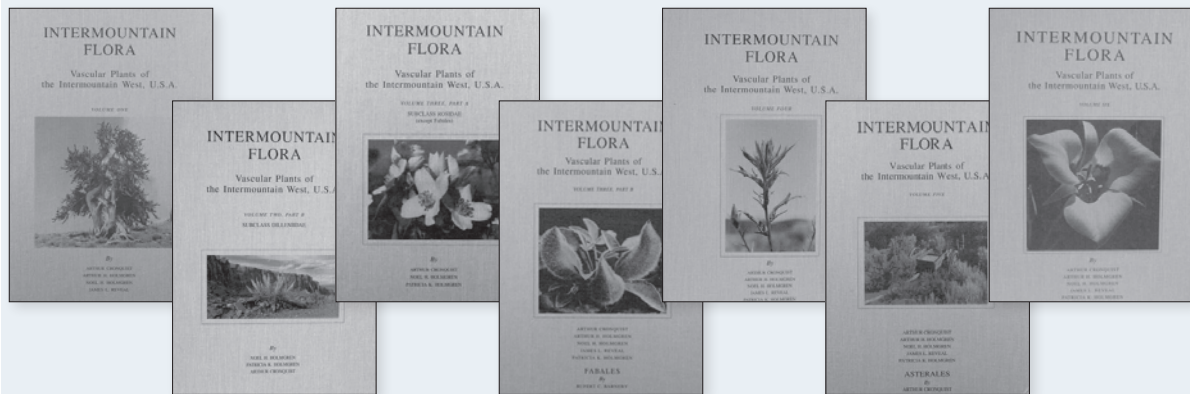
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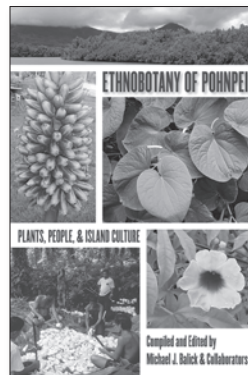
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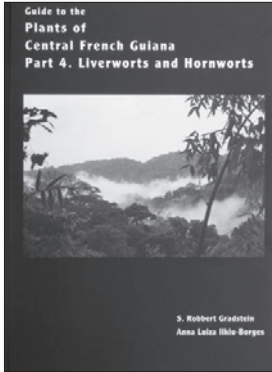
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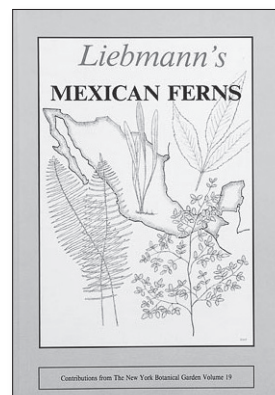
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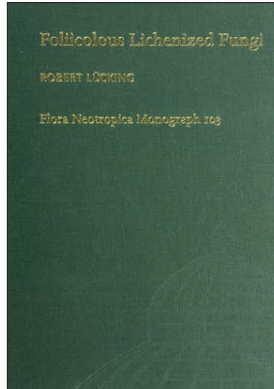
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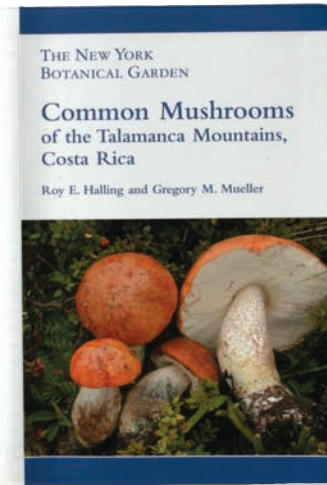
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"...exceptional in its layout and beautifully illustrated. ... [This] manual is one of the best examples of how to construct a field guide."

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Roy E. Halling, Curator of Mycology at The New York Botanical Garden, and Gregory M. Mueller, of the Chicago Botanic Garden, present a vibrant and engrossing introduction to the diversity of macrofungi found in the tropical oak forests of Costa Rica's Talamanca mountain range. Among the 101 species in 10 families that the guide describes and illustrates are some that have never been illustrated before.

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2005 • 195 pp • full color throughout
460-3 • \$20 • flexbind • M90000

citation of the original publication of the species

Tylophilus bulbosus
HALLING & G. M. MUELL., HARVARD PAP. BOT. 6: 109, 2001

thorough description of both micro- and macroscopic features; technical terms are explained in the glossary

Pileus 4.5–11 cm broad, convex to plano-convex, dry, not hygrophanous, even to beveled at margin, tomentose to sub-tomentose to matted subtomentose; disc brown to dark brown to violet brown; margin brown to violet brown, or violet; *flesh* white, discoloring pinkish brown; *odor* mild, or pungent but not idiosyncratic; *taste* mild. *Hymenophore* tubulose, adnexed or depressed. *Tubes* white to pinkish flesh color, avellaneous when injured; *pores* brownish purple to flesh pink to lilac rose, staining or bruising pale brown. *Stipe* (6–)9–13(–17) cm long, 10–20 mm broad (50 mm at base), extremely clavate or subbulbous, strict or curved, dry, not radicating; upper half white or buff or pinkish brown to brown, glabrous or reticulate; lower half brown to dull purple brown, pruinose or rarely subscabrous; base white or pale cream colored, discoloring pale brown; interior solid; flesh above white, discoloring pale brown to pinkish brown; flesh below white or yellow, discoloring pinkish brown; *basal mycelium* white. *Basidiospores in fresh deposit* pinkish flesh colored, 10–14 μm long, 4.2–4.9(–5.6) μm broad, mean $Q = 2.53$, smooth, subfusoid, inamyloid or dextrinoid. *Hymenophoral trama* bilateral. *Hymenial cystidia* present as pseudocystidia. *Pileipellis hyphae* a trichodermium. *Clamp connections* absent.



arranged by family

habit photograph

images of microscopic details (when relevant)



commentary on ecology, distribution, and comparisons with similar species

SUBSTRATE Soil.
MYCORRHIZAL HOST *Quercus*.
DISTRIBUTION Costa Rica.
COMMENTARY This is a massive dark purple brown *Tylophilus* somewhat reminiscent of *T. rubrobrunneus* Mazzet & A.H. Sm. from the northeastern United States. However, that species has a very bitter taste. The purple colors in the basidiomata are characteristic of young



The Macrolichens of New England

James Hinds
and Patricia Hinds

"A great resource for readers interested in species across the entire continent... [The] most comprehensive work of its kind ... an instant classic."

— Chris Lewis,
Canadian Field-Naturalist

"A beautiful and technically accurate addition to lichen literature."

— *Northeastern Naturalist*

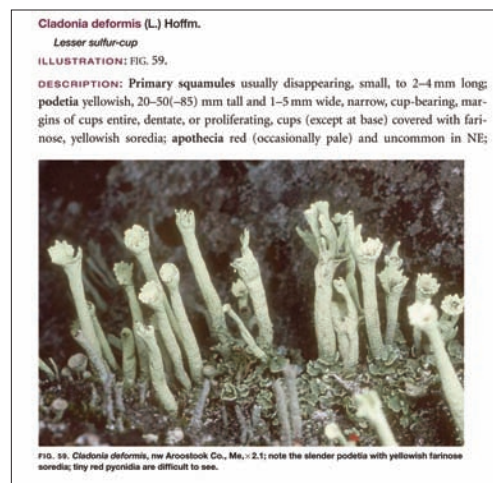
"Masterfully done, a triumph for the authors, a grace to the literature."

— Robert Dirig, *Solidago*

The Macrolichens of New England is the result of 35 years of fieldwork, research, and photography by the authors. The guide features:

- more than 400 beautifully detailed color photographs
- accurate, user-friendly identification keys
- descriptions of 461 species in 98 genera
- an introduction to general lichen morphology
- a glossary of terms for less experienced users
- advice on collecting lichens and performing chemical tests
- a review of the ecological role and conservation status of New England lichens
- synonyms, misapplied names, common names, worldwide range, usual substrate, distribution, and comparisons with similar species.

2007 • 600 pp • full color throughout • 477-1 • \$65 hc • M96000



Liverworts of New England

A Guide for the Amateur Naturalist

Mary S.G. Lincoln

As featured on the National Geographic News Blog

"Richly illustrated with attractive photographs of liverworts [and] high quality line drawings.... Etymologies given for each scientific name will interest even the experienced bryologist.... The book helps to fill a void in regional natural history books."

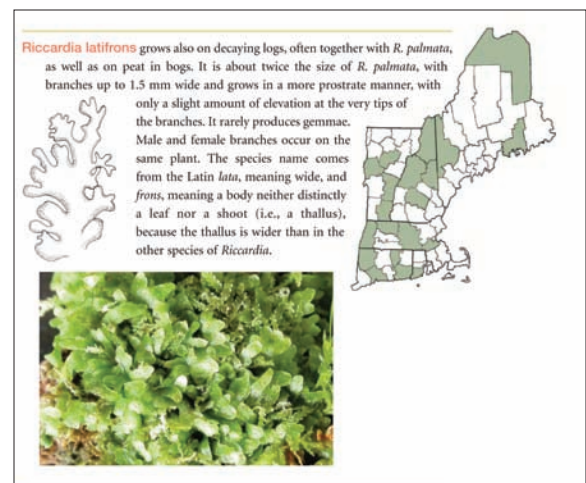
— Paul G. Davison, *The Bryologist*

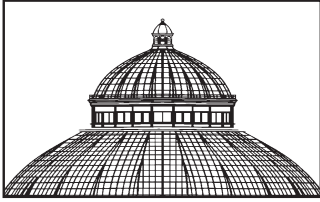
Liverworts of New England is a book for those who are just beginning to look at these fascinating plants as well as for those who didn't even know these plants existed. As the author demonstrates, the complexity, diversity, and beauty of liverworts make them absorbing objects of study and research.

In explanations that neither intimidate nor oversimplify, the author describes the nearly 200 species in 62 genera found in diverse habitats throughout the six New England states. Features that can be seen with a hand lens are emphasized, so that curious naturalists will not need a compound microscope.

Color photographs, line drawings, distribution maps, and simple keys assist in the identification of common species; a helpful glossary of terms is also included.

2008 • 161 pp • full color throughout • 478-8 • \$45 hc • M99000





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