

The Eternal Frontier An Ecological History Of North America And Its Peoples Tim Flannery

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What Doesn't Kill Us University of Chicago Press

In 1835 John Batman sailed up the Yarra and was astonished by the beauty of the land. It was a temperate Kakadu, teeming with wildlife and with soils rich enough to spawn pastoral empires. With the discovery of gold, the city was transformed almost overnight into 'marvellous Melbourne'.

The Ecological Hoofprint Oxford University Press

The author profiles the work of eight visionaries who have dedicated their lives to various environmental issues. Each story provides a portrait of an individual's valiant and inspiring campaign to improve the conditions for life on our planet. Taken together, the work of these people points the way toward creating an ecologically centered civilization in which a brighter future for all life, including human, is possible. *Terri Swearingen takes on one of the world's largest hazardous waste incinerators burning toxic waste next door to an elementary school. *Stephen Schneider establishes the scientific basis for climate change *Herman Daly advocates a dynamic steady-state economy that respects the laws of nature and human behavior. *David Orr champions educational reform to make universities a place where students learn how to be environmentally aware citizens *Werner Fornos works toward empowering every person with the knowledge and means to decide when and how many children to have *Helena Norberg-Hodge champions local living with appropriate technologies to enhance our spiritual and ecological well-being. *Wes Jackson promotes sustainable agriculture based on local ecology and community values *Dave Foreman leads the effort to rewild almost half of North America with wolves, mountain lions, jaguars, falcons, and others to restore functional ecosystems and preserve biodiversity

Europe John Wiley & Sons

Sustainability has become a compelling topic of domestic and international debate as the world searches for effective solutions to accumulating ecological problems. In *Return to Nature? An Ecological Counterhistory*, Fred Dallmayr demonstrates how nature has been marginalized, colonized, and abused in the modern era. Although nature was regarded as a matrix that encompassed all beings in premodern and classical thought, modern Western thinkers tend to disregard this original unity, essentially exiling nature from human life. By means of a philosophical counterhistory leading from Spinoza to Dewey and beyond, the book traces successive efforts to correct this tendency. Grounding his writing in a holistic relationism that reconnects humanity with ecology, Dallmayr pleads for the reintroduction of nature into contemporary philosophical discussion and sociopolitical practice. *Return to Nature?* unites learning, intelligence, sensibility, and moral passion to offer a multifaceted history of philosophy with regard to our place in the natural world. Dallmayr's visionary writings provide an informed foundation for environmental policy and represent an impassioned call to reclaim nature in our everyday lives.

Tropical Ecology Bloomsbury Publishing

Throughout history most people have associated northern North America with wilderness, abundant fish and game, snow-capped mountains, and endless forest and prairie. Canada's contemporary picture gallery, however, contains more disturbing images—deforested mountains, empty fisheries, and melting ice caps. Adopting both a chronological and a thematic approach, Laurel MacDowell examines human interactions with the land, and the origins of our current environmental crisis, from First Peoples to the Kyoto Protocol. This richly illustrated exploration of the past from an environmental perspective will change the way Canadians and others around the world think about and look at Canada.

Seeking Sustainability in an Age of Complexity Text Publishing

Christian Knoeller presents a radical reinterpretation of environmental history set in the heartland of America. In an excellent model of narrative-based scholarship, this book dynamically reimagines American environmentalism across generations of writers, artists, and scientists. Knoeller starts out with Audubon, and cites Thoreau's journals in the 1850s as he assesses an early 17th century account of New England's natural resources by William Wood, showing the epic decline in game and bird populations in Concord. This reading of environmental history is replicated throughout with a gallery of novelists, poets, essayists, and other commentators as they explore ecological memory and environmental destruction. In apt discussions of Matthiessen, Lopez, Wendell Berry, William Stafford and many others, Knoeller offers vibrant insights into literary history. He also cites his own memoir of perpetual development on his family's farm in Indiana, enriching the scholarship and making an urgent plea for the healing aesthetics of the imagination. Reading across centuries and genres, Knoeller gives us a vibrant new appraisal of Midwestern/North American interior literary traditions and makes clear how vital environmental writing is to this region. To date, no one has written such an eloquent and comprehensive cross-genre analysis of Midwestern environmental literature.

Global Resources and the Environment St. Martin's Press

What Doesn't Kill Us, a New York Times bestseller, traces our evolutionary journey back to a time when survival depended on how well we adapted to the environment around us. Our ancestors crossed deserts, mountains, and

oceans without even a whisper of what anyone today might consider modern technology. Those feats of endurance now seem impossible in an age where we take comfort for granted. But what if we could regain some of our lost evolutionary strength by simulating the environmental conditions of our ancestors? Investigative journalist and anthropologist Scott Carney takes up the challenge to find out: Can we hack our bodies and use the environment to stimulate our inner biology? Helping him in his search for the answers is Dutch fitness guru Wim Hof, whose ability to control his body temperature in extreme cold has sparked a whirlwind of scientific study. Carney also enlists input from an Army scientist, a world-famous surfer, the founders of an obstacle course race movement, and ordinary people who have documented how they have cured autoimmune diseases, lost weight, and reversed diabetes. In the process, he chronicles his own transformational journey as he pushes his body and mind to the edge of endurance, a quest that culminates in a record-bending, 28-hour climb to the snowy peak of Mt. Kilimanjaro wearing nothing but a pair of running shorts and sneakers. An ambitious blend of investigative reporting and participatory journalism, *What Doesn't Kill Us* explores the true connection between the mind and the body and reveals the science that allows us to push past our perceived limitations.

The Evolution of American Ecology, 1890-2000 Cambridge University Press

The compelling and adventurous stories of seven pioneering scientists who were at the forefront of what we now call climate science. From the glaciers of the Alps to the towering cumulonimbus clouds of the Caribbean and the unexpectedly chaotic flows of the North Atlantic, *Waters of the World* is a tour through 150 years of the history of a significant but underappreciated idea: that the Earth has a global climate system made up of interconnected parts, constantly changing on all scales of both time and space. A prerequisite for the discovery of global warming and climate change, this idea was forged by scientists studying water in its myriad forms. This is their story. Linking the history of the planet with the lives of those who studied it, Sarah Dry follows the remarkable scientists who summited volcanic peaks to peer through an atmosphere's worth of water vapor, cored mile-thick ice sheets to uncover the Earth's ancient climate history, and flew inside storm clouds to understand how small changes in energy can produce both massive storms and the general circulation of the Earth's atmosphere. Each toiled on his or her own corner of the planetary puzzle. Gradually, their cumulative discoveries coalesced into a unified working theory of our planet's climate. We now call this field climate science, and in recent years it has provoked great passions, anxieties, and warnings. But no less than the object of its study, the science of water and climate is—and always has been—evolving. By revealing the complexity of this history, *Waters of the World* delivers a better understanding of our planet's climate at a time when we need it the most.

Complexity in Landscape Ecology U of Nebraska Press

What is environmental history? It is a kind of history that seeks understanding of human beings as they have lived, worked, and thought in relationship to the rest of nature through the changes brought by time. In this new edition of his seminal student textbook, J. Donald Hughes provides a masterful overview of the thinkers, topics, and perspectives that have come to constitute the exciting discipline that is environmental history. He does so on a global scale, drawing together disparate trends from a rich variety of countries into a unified whole, illuminating trends and key themes in the process. Those already familiar with the discipline will find themselves invited to think about the subject in a new way. This new edition has been updated to reflect recent developments, trends, and new work in environmental history, as well as a brand new note on its possible future. Students and scholars new to environmental history will find the book both an indispensable guide and a rich source of inspiration for future work.

Edible Forest Gardens, Volume 1 University of Nevada Press

Linking the ongoing ecological crisis with contemporary conditions of alienation and disenchantment in modern society, this book investigates the capacity of oral storytelling to reconnect people to the natural world and enchant and renew their experience of nature, place and their own existence in the world. Anthony Nanson offers an in-depth examination of how a diverse ecosystem of oral stories and the dynamics of storytelling as an activity can catalyze different kinds of conversation and motivation, helping us resist the discourse of powerful vested interests. Detailed analysis of traditional, true-life and fictional stories shows how spoken narrative language can imbue landscapes, creatures and experiences with enchantment and mediate between the inner world of consciousness and outer world of ecology and community. A pioneering ecocritical study of oral storytelling in the modern world, *Storytelling and Ecology* offers insight into the ways that sharing stories in each other's embodied presence can open up spaces for transformation in our relationships with the ecological world around us.

An Environmental History of Canada JHU Press

A comprehensive introduction to tropical ecology This full-color illustrated textbook offers the first comprehensive introduction to all major aspects of tropical ecology. It explains why the world's tropical rain forests are so universally rich in species, what factors may contribute to high species richness, how nutrient cycles affect rain forest ecology, and how ecologists investigate the complex interrelationships among flora and fauna. It covers tropical montane ecology, riverine ecosystems, savanna, dry forest—and more. *Tropical Ecology* begins with a

historical overview followed by a sweeping discussion of biogeography and evolution, and then introduces students to the unique and complex structure of tropical rain forests. Other topics include the processes that influence everything from species richness to rates of photosynthesis: how global climate change may affect rain forest characteristics and function; how fragmentation of ecosystems affects species richness and ecological processes; human ecology in the tropics; biodiversity; and conservation of tropical ecosystems and species. Drawing on real-world examples taken from actual research, *Tropical Ecology* is the best textbook on the subject for advanced undergraduates and graduate students. Offers the first comprehensive introduction to tropical ecology Describes all the major kinds of tropical terrestrial ecosystems Explains species diversity, evolutionary processes, and coevolutionary interactions Features numerous color illustrations and examples from actual research Covers global warming, deforestation, reforestation, fragmentation, and conservation The essential textbook for advanced undergraduates and graduate students Suitable for courses with a field component Leading universities that have adopted this book include: Biola University Bucknell University California State University, Fullerton Colorado State University - Fort Collins Francis Marion University Michigan State University Middlebury College Northern Kentucky University Ohio Wesleyan University St. Mary's College of Maryland Syracuse University Tulane University University of California, Santa Cruz University of Central Florida University of Cincinnati University of Florida University of Missouri University of New Mexico University of North Carolina at Chapel Hill University of the West Indies

Return to Nature? Shambhala Publications

Interactions matter. To understand the distributions of plants and animals in a landscape you need to understand how they interact with each other, and with their environment. The resulting networks of interactions make ecosystems highly complex. Recent research on complexity and artificial life provides many new insights about patterns and processes in landscapes and ecosystems. This book provides the first overview of that work for general readers. It covers such topics as connectivity, criticality, feedback, and networks, as well as their impact on the stability and predictability of ecosystem dynamics. With over 60 years of research experience of both ecology and complexity, the authors are uniquely qualified to provide a new perspective on traditional ecology. They argue that understanding ecological complexity is crucial in today's globalized and interconnected world. Successful management of the world's ecosystems needs to combine models of ecosystem complexity with biodiversity, environmental, geographic and socioeconomic information.

Environmental Law and Governance for the Anthropocene University Press of Kentucky

Today there is a bewildering diversity of views on ecology and the natural environment. With more than two hundred distinct and valuable perspectives on the natural world—and with scientists, economists, ethicists, activists, philosophers, and others often taking completely different stances on the issues—how can we come to agreement to solve our toughest environmental problems? In response to this pressing need, *Integral Ecology* unites valuable insights from multiple perspectives into a comprehensive theoretical framework—one that can be put to use right now. The framework is based on Integral Theory, as well as Ken Wilber's AQAL model, and is the result of over a decade of research exploring the myriad perspectives on ecology available to us today and their respective methodologies. Dozens of real-life applications and examples of this framework currently in use are examined, including three in-depth case studies: work with marine fisheries in Hawaii's, strategies of eco-activists to protect Canada's Great Bear Rainforest, and a study of community development in El Salvador. In addition, eighteen personal practices of transformation are provided for you to increase your own integral ecological awareness. *Integral Ecology* provides the most sophisticated application and extension of Integral Theory available today, and as such it serves as a template for any truly integral effort.

Edible Forest Gardens, Volume II Chelsea Green Publishing

Annotation A general interest exploration of mammal evolution and the scientific history of major fossil discoveries, their discoverers, and changing ideas about these extinct "beasts." It's both a grand mystery and a Cinderella story: mammal origins were one of 19th-century science's major enigmas, and mammals outlasted the more abundant dinosaurs to give birth to us.

[The Birth of Melbourne](#) Bloomsbury Publishing

The author of the #1 bestseller, *The Weather Makers*, pens "a brilliant examination of where we are with climate change and where we might be able to go" (The National Observer, Vancouver). Almost two decades ago, Tim Flannery's #1 international bestseller, *The Weather Makers*, was one of the first books to break the topic of climate change out into the general conversation. Today, Earth's climate system is fast approaching a crisis. Political leadership has not kept up, and public engagement with the issue of climate change has declined. Opinion is divided between technological optimists and pessimists who feel that catastrophe is inevitable. Around the world people are now living with the consequences of an altered climate—with intensified and more frequent storms, wildfires, droughts, and floods. For some it's already a question of survival. Drawing on the latest science, Flannery gives a snapshot of the trouble we are in and more crucially, proposes a new way forward, including rapidly progressing clean technologies and a "third way" of soft geo-engineering. Tim Flannery, with his inimitable style, makes this urgent issue compelling and accessible. This is a must-read for anyone interested in our global future. "What Flannery provides—a convincing defense for the position that a path to averting catastrophic climate change still exists—is invaluable." —Los Angeles Review of Books

Overshoot Edward Elgar Publishing

In the 1890s, several initiatives in American botany converged. The creation of new institutions, such as the New York Botanical Garden, coincided with radical reforms in taxonomic practice and the emergence of an experimental program of research on evolutionary problems. Sharon Kingsland explores how these changes gave impetus to the new field of ecology that was defined at exactly this time. She argues that the creation of institutions and research laboratories, coupled with new intellectual directions in science, were crucial to the development of ecology as a

discipline in the United States. The main concern of ecology - the relationship between organisms and environment - was central to scientific studies aimed at understanding and controlling the evolutionary process. Kingsland considers the evolutionary context in which ecology arose, especially neo-Lamarckian ideas and the new mutation theory, and explores the relationship between scientific research and broader theories about social progress and the evolution of human civilization. By midcentury, American ecologists were leading the rapid development of ecosystem ecology. and society in the postwar context, foreshadowing the environmental critiques of the 1960s. As the ecosystem concept evolved, so too did debates about how human ecology should be incorporated into the biological sciences. Kingsland concludes with an examination of ecology in the modern urban environment, reflecting on how scientists are now being challenged to produce innovative responses to pressing problems. The *Evolution of American Ecology, 1890-2000* offers an innovative study not only of the scientific landscape in turn-of-the-century America, but of current questions in ecological science.

[The Future Eaters](#) Rodale Books

This book presents a global and interdisciplinary approach to plant ecology, guiding students through essential concepts with real-world examples.

Nature et progrès University of Illinois Press

An urgent and essential call to arms from one of Australia's most respected climate scientists, Tim Flannery. A compelling and solution-focused declaration of the action required to win the climate battle, and how change must start in our board rooms and parliaments.

Down to Earth Presses Paris Sorbonne

A short description of the extinct animal along with a color drawing.

The Elgar Companion to Geography, Transdisciplinarity and Sustainability Oxford University Press

The era of eco-crises signified by the Anthropocene trope is marked by rapidly intensifying levels of complexity and unevenness, which collectively present unique regulatory challenges to environmental law and governance.

This volume sets out to address the currently under-theorised legal and consequent governance challenges presented by the emergence of the Anthropocene as a possible new geological epoch. While the epoch has yet to be formally confirmed, the trope and discourse of the Anthropocene undoubtedly already confront law and governance scholars with a unique challenge concerning the need to question, and ultimately re-imagine, environmental law and governance interventions in the light of a new socio-ecological situation, the signs of which are increasingly apparent and urgent. This volume does not aspire to offer a univocal response to Anthropocene exigencies and phenomena. Any such attempt is, in any case, unlikely to do justice to the multiple implications and characteristics of Anthropocene forebodings. What it does is to invite an unrivalled group of leading law and governance scholars to reflect upon the Anthropocene and the implications of its discursive formation in an attempt to trace some initial, often radical, future-facing and imaginative implications for environmental law and governance.

[Integral Ecology](#) Trinity University Press

In *Ecology and Ethnogenesis* Adam R. Hodge argues that the Eastern Shoshone tribe, now located on the Wind River Reservation in Wyoming, underwent a process of ethnogenesis through cultural attachment to its physical environment that proved integral to its survival and existence. He explores the intersection of environmental, indigenous, and gender history to illuminate the historic roots of the Eastern Shoshone bands that inhabited the intermountain West during the nineteenth century. Hodge presents an impressive longue durée narrative of Eastern Shoshone history from roughly 1000 CE to 1868, analyzing the major developments that influenced Shoshone culture and identity. Geographically spanning the Great Basin, Rocky Mountain, Columbia Plateau, and Great Plains regions, *Ecology and Ethnogenesis* engages environmental history to explore the synergistic relationship between the subsistence methods of indigenous people and the lands that they inhabited prior to the reservation era. In examining that history, Hodge treats Shoshones, other Native peoples, and Euroamericans as agents who, through their use of the environment, were major components of much broader ecosystems. The story of the Eastern Shoshones over eight hundred years is an epic story of ecological transformation, human agency, and cultural adaptation. *Ecology and Ethnogenesis* is a major contribution to environmental history, ethnohistory, and Native American history. It explores Eastern Shoshone ethnogenesis based on interdisciplinary research in history, archaeology, anthropology, and the natural sciences in devoting more attention to the dynamic and often traumatic history of "precontact" Native America and to how the deeper past profoundly influenced the "postcontact" era.