

The Evolution of American Ecology

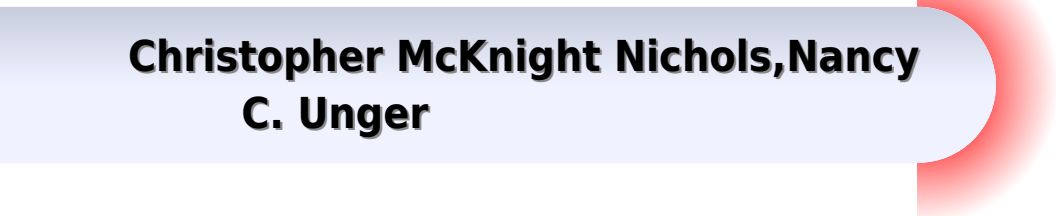
1890–2000



Sharon E. Kingsland

The Evolution Of American Ecology 1890 2000

**Christopher McKnight Nichols, Nancy
C. Unger**



The Evolution Of American Ecology 1890 2000:

The Evolution of American Ecology, 1890-2000 Sharon E. Kingsland, 2005 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

A Centennial History of the Ecological Society of America Frank N. Egerton, 2015-05-20 Celebrating its 100th anniversary in 2015 the Ecological Society of America ESA is the largest professional society devoted to the science of ecology A Centennial History of the Ecological Society of America tells the story of ESA s humble beginnings growing from approximately 100 founding members and a modest publication of a few pages to a m

A Companion to the History of American Science Georgina M. Montgomery, Mark A. Largent, 2019-09-23 A Companion to the History of American Science offers a collection of essays that give an authoritative overview of the most recent scholarship on the history of American science Covers topics including astronomy agriculture chemistry eugenics Big Science military technology and more Features contributions by the most accomplished scholars in the field of science history Covers pivotal events in U S history that shaped the development of science and science policy such as WWII the Cold War and the Women s Rights movement

Nature's End S. Sörlin, P. Warde, 2009-07-23 Environmental History as a distinct discipline is now over a generation old with a large and diverse group of practitioners around the globe This book provides a reflection on the achievements diversity and direction of environmental history in its varied national international and continental contexts

A Companion to the Gilded Age and Progressive Era Christopher McKnight Nichols, Nancy C. Unger, 2022-06-15 A Companion to the Gilded Age and Progressive Era presents a collection of new historiographic essays covering the years between 1877 and 1920 a period which saw the U

Seem to emerge from the ashes of Reconstruction to become a world power The single definitive resource for the latest state of knowledge relating to the history and historiography of the Gilded Age and Progressive Era Features contributions by leading scholars in a wide range of relevant specialties Coverage of the period includes geographic social cultural economic political diplomatic ethnic racial gendered religious global and ecological themes and approaches In today's era often referred to as a second Gilded Age this book offers relevant historical analysis of the factors that helped create contemporary society Fills an important chronological gap in period based American history collections

Intellectual Property and the Design of Nature Jose Bellido, Brad Sherman, 2023-08-24 Intellectual property law has been interacting with nature for over two centuries Despite this long history this relationship has largely been ignored Intellectual Property and the Design of Nature fills this gap by bringing together scholars from different disciplines to examine the important role that nature plays in intellectual property law Based on the idea that many contemporary issues require a better understanding of these historical interactions the book reflects on the ways intellectual property law has engaged with and understood nature in the past The varied contributions show how the relationship between nature and intellectual property law is often more complex permeable and porous than is commonly recognized Intellectual Property and the Design of Nature demonstrates the complex and changing role that nature has played in the history of intellectual property law Each of the chapters casts a new light on these connections A compelling read for everyone interested in exploring new perspectives in the field of intellectual property

Collaboration in the New Life Sciences John N. Parker, Niki Vermeulen, Bart Penders, 2016-05-23 In recent years the organisation and practice of collaboration in the life sciences has undergone radical transformations owing to the advent of big science enterprises newly developed data gathering and storage technologies increasing levels of interdisciplinarity and changing societal expectations for science Collaboration in the New Life Sciences examines the causes and consequences of changing patterns of scientific collaboration in the life sciences This book presents an understanding of how and why collaboration in the life sciences is changing and the effects of these changes on scientific knowledge the work lives and experiences of scientists social policy and society Through a series of thematically arranged chapters it considers the social technical and organizational facets of collaboration addressing not only the rise of new forms of collaboration in the life sciences but also examining recent developments in two broad research areas ecology and environment and the molecular life sciences With an international team of experts presenting case studies and analyses drawn from the US UK Asia and Europe Collaboration in the New Life Sciences will appeal not only to scholars and students of science and technology studies but also to those interested in science and social policy and the sociology of work and organisations

The Local Configuration of New Research Fields Martina Merz, Philippe Sormani, 2015-10-27 This new Yearbook addresses the question of how policy place and organization are made to matter for a new research field to emerge Bringing together leading historians sociologists and organizational researchers on science and technology the volume answers this question by

offering in depth case studies and comparative perspectives on multiple research fields in their nascent stage including molecular biology and materials science nanotechnology and synthetic biology The Yearbook brings to bear the lessons of constructivist ethnography and the practice turn in Science and Technology Studies STS more broadly on the qualitative comparative and critical inquiry of new research fields In doing so it offers unprecedented insights into the complex interplay of national research policies regional clusters particular research institutions and novel research practices in and for any emerging field of techno science It systematically investigates national and regional differences including the variable mobilization of such differences and probes them for organizational topicality and policy relevance Rethinking Invasion Ecologies from the Environmental Humanities Jodi Frawley,Iain McCalman,2014-02-24 Research from a humanist perspective has much to offer in interrogating the social and cultural ramifications of invasion ecologies The impossibility of securing national boundaries against accidental transfer and the unpredictable climatic changes of our time have introduced new dimensions and hazards to this old issue Written by a team of international scholars this book allows us to rethink the impact on national regional or local ecologies of the deliberate or accidental introduction of foreign species plant and animal Modern environmental approaches that treat nature with na ve realism or mobilize it as a moral absolute unaware or unwilling to accept that it is informed by specific cultural and temporal values are doomed to fail Instead this book shows that we need to understand the complex interactions of ecologies and societies in the past present and future over the Anthropocene in order to address problems of the global environmental crisis It demonstrates how humanistic methods and disciplines can be used to bring fresh clarity and perspective on this long vexed aspect of environmental thought and practice Students and researchers in environmental studies invasion ecology conservation biology environmental ethics environmental history and environmental policy will welcome this major contribution to environmental humanities

Conserving Southern Longleaf Albert G. Way,2011-10-01 The Red Hills region of south Georgia and north Florida contains one of the most biologically diverse ecosystems in North America a valuable center for research into and understanding of wildlife biology fire ecology and the environmental appreciation of a region once dubbed simply the pine barrens

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