

A Brief History Of Soil Science

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A Brief History Of Soil

From nourishing agricultural soil to serving as a transportation route, the Nile was vital to ancient Egypt's civilization.

Why the Nile River Was So Important to Ancient Egypt

James was the last British man to die in a duel on English soil in 1845. It was over the wife of Lieutenant Henry Hawkey with whom Seton was involved. Barack Obama's grandfather President Obama ...

A brief history of the New Forest

I accidentally brought a plague upon my house. So I turned to the experts, who taught me how to eradicate a fungus gnat infestation.

How to really, truly, finally get rid of fungus gnats for good: We asked the pros

The Pulitzer-winning, Kanye-collaborating composer began her career with a creative blank check, but she's spent much of the past decade moving sideways. Her latest trick: reinventing as a songwriter.

Caroline Shaw Is Not Here To Save Classical Music

with speakers reading a brief account of each lynching before another team member filled a pail with soil. "Getting soil from close to the original site is important," Costa said at the Pound ...

Community Remembrance Project gathers soil from Wise County lynching sites

A powerful mudslide that killed at least seven people and destroyed dozens of homes in a Japanese seaside resort started in an area with a history of land alterations, and a massive mound of soil ...

Massive soil mound on slope seen as worsening Japan mudslide

The management of agricultural soil carbon is an important tool in battling the climate crisis—but it's not a silver bullet. In this issue brief, we explore the potential benefits and challenges of ...

Agricultural Soil Carbon and Carbon Markets for Mitigating Climate Change

Little Black Book, The Banjoman director reveals why she's keen to bring humour back to advertising and why she's so fond of working on Irish soil ...

Director AJ Colomb: "Comedy Is a Safe Place For Me"

The Community Remembrance will begin at 2 p.m., Sunday, Oct. 15, at the site of the historic Hamilton County Jail at 605 Walnut St. After brief remarks and collecting soil, everyone will march to ...

Public Invited To Participate In Soil Collection: A Community Remembrance Project

Most conventional farmers try to use tillage to solve soil compaction, but that is a brief solution and actually makes soil compaction worse. Tillage destroys soil structure by aerating the soil ...

Cover crops impact soil health

Others said the soil represents hope and a commitment to ... Keiana West, a justice fellow at the Equal Justice Initiative, gave a brief history of lynchings in the South.

Reconciling lynchings in Alachua, Newnansville

This photograph and many others are on view in NOMA's "A Brief History of Photography and Transmission." The New Orleans Museum of Art recently unveiled its new Lapis Center for the Arts ...

How modified cameras captured images of man on the moon - and then were left behind

Some vegetables surprisingly improve after a brief frost. Root vegetables convert ... Growing From Seed Plant seeds directly in the soil, 3-6 inches apart in rows roughly 10-15 inches apart.

Growing Guide for Turnips: Plant Care Tips and Maintenance

Silverstone boss Stuart Pringle has raised the possibility of a second Formula One race taking place on British soil later this ... other driver in the sport's history, will head to his home ...

Silverstone chief open to prospect of hosting TWO Formula One races on British soil this season with doubts surrounding Japanese, Mexican and Brazilian Grand Prix after ...

James was the last British man to die in a duel on English soil in 1845. It was over the wife of Lieutenant Henry Hawkey with whom Seton was involved. Barrack Obama's grandfather President Obama ...

The history of science discipline is contributing valuable knowledge of the culture of soil understanding, of the conditions in society that fostered the ideas, and of why they developed in certain ways. This book is about the progressive "footprints made by scientists in the soil. It contains chapters chosen from important topics in the development of soil science, and tells the story of the people and the exciting ideas that contributed to our present understanding of soils. Initiated by discussions within the Soil Science Society of America and the International Union of Soil Sciences, this book uniquely illustrates the significance of soils to our society. It is planned for soils students, for various scientific disciplines, and for members of the public who show an increasing interest in soil. This book allows us to answer the questions: "How do we know what we know about soils? and "How did one step or idea lead to the next one? The chapters are written by an international group of authors, each with special interests, bound together by the central theme of soils and how we came to our present understanding of soils. Each concentrate on soil knowledge in the western world and draw primarily on written accounts available in English and European languages. Academics, graduate students, researchers and practitioners will gain new insights from these studies of how ideas in soil science and understanding of uses of soils developed. * Discusses tracing soils knowledge accumulated from Roman times, first by soil users and after 1800s by scientists * Offers ideas about how soils knowledge was influenced by the social context and by human needs * Combines the history of ideas with scientific knowledge of soils * Written by chapter authors who combine subject matter expertise with knowledge of practical soil uses, and provide numerous references for further study of the relevant literature

Dirt, soil, call it what you want—it's everywhere we go. It is the root of our existence, supporting our feet, our farms, our cities. This fascinating yet disquieting book finds, however, that we are running out of dirt, and it's no laughing matter. An engaging natural and cultural history of soil that sweeps from ancient civilizations to modern times, *Dirt: The Erosion of Civilizations* explores the compelling idea that we are—and have long been—using up Earth's soil. Once bare of protective vegetation and exposed to wind and rain, cultivated soils erode bit by bit, slowly enough to be ignored in a single lifetime but fast enough over centuries to limit the lifespan of civilizations. A rich mix of history, archaeology and geology, *Dirt* traces the role of soil use and abuse in the history of Mesopotamia, Ancient Greece, the Roman Empire, China, European colonialism, Central America, and the American push westward. We see how soil has shaped us and we have shaped soil—as society after society has risen, prospered, and plowed through a natural endowment of fertile dirt. David R. Montgomery sees in the recent rise of organic and no-till farming the hope for a new agricultural revolution that might help us avoid the fate of previous civilizations.

Profiles in the History of the U.S. Soil Survey offers a broad-ranging collection of essays chronicling the development of the U.S. Soil Survey and its influence on the history of soil survey as a scientific discipline that focuses on mapping, analysis, and description of soils. Appraises the influences of key individuals and institutions on the establishment of federal support for and coordination of U.S. soil surveys. Provides an account of life in the field, detailing experience shared by many soil scientists and survey professionals. Reviews the opening of careers in soil survey to women and African-Americans. Relates aspects of the utility of the soil survey to other federal services, to other fields of research, and to land-use planning. Discusses the future of the U.S. Soil Survey and the new directions both the survey and its uses will take. Soil scientists and other soil survey professionals will find this collection valuable both for the new research it provides and for the memories it preserves of life and work in the field and laboratory. Historians will increasingly turn their attention to this crucial earth science as the intriguing connections between soils, the environment, and human history become more apparent. Teachers, students, and agriculturalists will also appreciate this detailed account of the Soil Survey.

Environmental Soil-Landscape Modeling: Geographic Information Technologies and Pedometrics presents the latest methodological developments in soil-landscape modeling. It analyzes many recently developed measurement tools, and explains computer-related and pedometric techniques that are invaluable in the modeling process. This volume provi

"This thought-provoking book demonstrates how processes of landscape transformation, usually illustrated only in simplified or idealized form, play out over time in real, complex landscapes. Trimble illustrates how a simple landscape disturbance, generated in this case by agriculture, can spread an astonishing variety of altered hydrologic and sedimentation processes throughout a drainage basin. The changes have spatial and temporal patterns forced on them by the distinctive topographic structure of drainage basins. "Through painstaking field surveys, comparative photographic records, careful dating, a skillful eye for subtle landscape features, and a geographer's interdisciplinary understanding of landscape processes, the author leads the reader through the arc of an instructive and encouraging story. Farmers-whose unfamiliarity with new environmental conditions led initially to landscape destruction, impoverishment, and instability—eventually adapted their land use and settlement practices and, supported by government institutions, recovered and enriched the same working landscape. "For the natural scientist, *Historical Agriculture and Soil Erosion in the Upper Mississippi Valley Hill Country* illustrates how an initially simple alteration of land cover can set off a train of unanticipated changes to runoff, erosion, and sedimentation processes that spread through a landscape over decades—impoverishing downstream landscapes and communities. Distinct zones of the landscape respond differently and in sequence. The effects take a surprisingly long time to spread through a landscape because sediment moves short distances during storms and can persist for decades or centuries in relatively stable forms where it resists further movement because of consolidation, plant reinforcement, and low gradients. "For the social scientist, the book raises questions of whether and how people can be alerted early to their potential for environmental disturbance, but also for learning and adopting restorative practices. Trimble's commitment to all aspects of this problem should energize both groups." —Professor Thomas Dunne, Bren School of Environmental Science and Management, UC Santa Barbara

SOIL: beneath our feet / food and fiber / ashes to ashes, dust to dust / dirt!Soil has been called the final frontier of environmental research. The critical role of soil in biogeochemical processes is tied to its properties and place-porous, structured, and spatially variable, it serves as a conduit, buffer, and transformer of water, solutes and gases. Yet what is complex, life-giving, and sacred to some, is ordinary, even ugly, to others. This is the enigma that is soil. *Soil and Culture* explores the perception of soil in ancient, traditional, and modern societies. It looks at the visual arts (painting, textiles, sculpture, architecture, film, comics and stamps), prose & poetry, religion, philosophy, anthropology, archaeology, wine production, health & diet, and disease & warfare. *Soil and Culture* explores high culture and popular culture—from the paintings of Hieronymus Bosch to the films of Steve McQueen. It looks at ancient societies and contemporary artists. Contributors from a variety of disciplines delve into the mind of Carl Jung and the bellies of soil eaters, and explore Chinese paintings, African mud cloths, Mayan rituals, Japanese films, French comic strips, and Russian poetry.

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