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## DOWNLOAD SPRITSAIL A JOURNAL OF THE HISTORY OF FALMOUTH AND VICINITY BOOK

Journals and Orderly Book of Lewis and Clark, from River Dubois to Two-Thousand-Mile Creek: Jan. 30, 1804 - May 5, 1805 Prabhat Prakashan

Proceedings of the Geological Society of London

Annual Report of the American Scenic and Historic Preservation Society to the Legislature of the State of New York University Press of New England

At the dawn of the 19th century, Meriwether Lewis and William Clark embarked on an unprecedented journey from St. Louis, Missouri to the Pacific Ocean and back again. Their assignment was to explore the newly acquired Louisiana Territory and record the geography, flora, fauna, and people they encountered along the way. The tale of their incredible journey, meticulously recorded in their journals, has become an American classic. This single-volume, landmark edition of the famous journals is the first abridgement to be published in at least a decade. Series editor Anthony Brandt and Lewis and Clark scholar Herman J. Viola have reviewed all 13 volumes of the text to include a more balanced account of encounters with Native Americans and have, for the first time in print, corrected Lewis and Clark's famously bad spelling. This new edition presents the journey's impressive highlights--from first encounters with grizzly bears and meetings with the Sioux and Crow Indians, to the near starvation in the Bitterroot Mountains and confrontation with the Blackfeet Indians. Brief connecting accounts from the editors seamlessly link connected passages and illuminate details of the expedition that are missing or obscure in the text. Featuring an expedition map, an introduction by Anthony Brandt that describes America at the start of Lewis and Clark's amazing journey, and an afterword by Herman Viola that illuminates the historical significance of the mission, this single-volume edition brings to life the epic grandeur of the greatest adventure in American history.

**Gazette of the Fashionable World, Literature, Music, and the Fine Arts** Graphic Arts Books

Vols. 1-108 include Proceedings of the society (separately paged, beginning with v. 30)

**Further additions, to 1994** Digital Scanning Inc

When the Atlas of the Lewis and Clark Expedition appeared in 1983 critics hailed it as a publishing landmark in western history. Fully living up to the promise of the first volume were the second volume, which began the actual journals and brought the expedition through its first year to August 1804, and the third volume, which brought the explorers through a winter at Fort Mandan, present North Dakota, and to April 1805. This eagerly awaited fourth volume begins on April 7, 1805, when Meriwether Lewis and William Clark and their permanent party set out from Fort Mandan, traveling up-river along the banks of the Missouri. For the first time they entered country never explored by whites. With the help of the Shoshone Indian woman Sacagawea, they hoped to make friendly contact with her people, then cross the Rocky Mountains and eventually reach the Pacific. They were to spend the rest of the spring and the early summer toiling up the Missouri, or around its perilous falls. Along the way, they encountered grizzly bears, cataloged new species of plants and animals, and mapped rivers and streams. Sacagawea recognized landmarks; meeting her people became the next great concern of the expedition when they reached the three forks of the Missouri in late July. Superseding the last edition, published early in this century, the current edition contains new materials discovered since then. It expands and updates the annotation to take account of the most recent scholarship on the many subject touched on by the journals.

*Journals of the House of Commons* U of Nebraska Press

Depicted by the man himself, The Journals of James Cook is an intimate first-hand account, providing an uncensored and reliable narrative of adventures spanning across the globe. The Journals of James Cook depict three of Captain James Cook's most glorious expeditions, starting in 1768 and leading to Cook's tragic death in 1779. Having ventured all over the Pacific, Cook encountered lands not yet charted by the British. Though his discoveries and maps inadvertently led to British colonization, Cook held a deep respect for the native people he encountered. He recorded their practices and wrote of them fondly. Cook even befriended some of the native people he encountered, including a Tahitian man who, after hearing of Cook's homeland, wanted to visit it as well. Per the man's request, Cook sailed him to Britain, where the man stayed until he and Cook sailed back to Tahiti three years later. After charting Australia, and the whole coast of New Zealand, Cook was involved in a plot to kidnap a Hawaiian monarch and ransom them in order to recover stolen property. He was killed during this expedition, leaving behind a legacy of a detailed description of the Pacific Ocean and its coasts. James Cook's expeditions around the world and his detailed and innovative work as a cartographer inspired advancements in scientific, medical, historical and geological fields. His influence has also reached the literary world, inspiring novel series and characters, including the infamous Captain Hook. Exuding ambition, courage, and confidence, The Journals of James Cook provide a privileged peak into the travels and accomplishments of an adventurous, and invaluable man. Packed with wonder but free of imperialistic arrogance, The Journals of James Cook serve as a valuable and intriguing primary source of a time when places in the world were yet to be mapped. Now presented in an easy-to-read font and redesigned with a stunning new cover, James Cook's The Journals of James Cook is accommodating to contemporary readers, providing a fresh version of the esteemed literary work while preserving its wonders and adventures.

*Original journals of the Lewis and Clark Expedition, 1804-1806* Routledge

Explorers, evolutionists, eugenicists, sexologists, and high school biology teachers--all have contributed to the prominence of the biological sciences in American life. In this book, Philip Pauly weaves their stories together into a fascinating history of biology in America over the last two hundred years. Beginning with the return of the Lewis and Clark expedition in 1806, botanists and zoologists identified science with national culture, linking their work to continental imperialism and the creation of an industrial republic. Pauly examines this nineteenth-century movement in local scientific communities with national reach: the partnership of Asa Gray and Louis Agassiz at Harvard University, the excitement of work at the Smithsonian Institution and the Geological Survey, and disputes at the Agriculture Department over the continent's future. He then describes the establishment of biology as an academic discipline in the late nineteenth century, and the retreat of life scientists from the problems of American nature. The early twentieth century, however, witnessed a new burst of public-oriented activity among biologists. Here Pauly chronicles such topics as the introduction of biology into high school curricula, the efforts of eugenicists to alter the "breeding" of Americans, and the influence of sexual biology on Americans' most private lives.

Throughout much of American history, Pauly argues, life scientists linked their study of nature with a desire to culture--to use intelligence and craft to improve American plants, animals, and humans. They often disagreed and frequently overreached, but they sought to build a nation whose people would be prosperous, humane, secular, and liberal. Life scientists were significant participants in efforts to realize what Progressive Era oracle Herbert Croly called "the promise of American life." Pauly tells their story in its entirety and explains why now, in a society that is rapidly returning to a complex ethnic mix similar to the one that existed for a hundred years prior to the Cold War, it is important to reconnect with the progressive creators of American secular culture.

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**Framingham Legends & Lore** Springer Nature

An ancient fishing ground, vital shipping passage and final resting place for those unable to navigate its rocky shoals, Nantucket Sound--bordered by Martha's Vineyard, Cape Cod and, of course, Nantucket--remains one of New England's most historic waterways. Here, the first rays of morning sunlight touch the United States before sweeping westward. In fact, the area's early inhabitants were called Wampanoag: "People of the Dawn." From whaling culture and infamous shipwrecks to legends of Vikings, sea gods and John Smith, local author Theresa Mitchell Barbo unearths the stories hidden beneath these rough waves. At once unforgiving and generous, Nantucket Sound has seduced countless seafarers with its siren song but still overflows with diverse marine life.

**From Meriwether Lewis to Alfred Kinsey** Ohio University Press

Just hours after the "shot heard 'round the world" marked the start of the American Revolution, the news from Lexington set alarm bells ringing in Framingham. Minutemen from the town rushed along the road to Concord to help cut off the retreat of British troops. In Salem, where dozens of women were accused of witchcraft, Framingham's founder, Thomas Danforth, helped to end the hysteria and afterward provided sanctuary in Framingham for the families of the wrongfully accused. Staring down the barrels of British guns in Boston, Framingham native Crispus Attucks was one of the first to die for American independence. Though rarely in the foreground of history, Framingham pops up again and again as a backdrop to our nation's great historic episodes. With tales of pirate gold, hypnotized evangelists, blundering spies and bravery in battle, this captivating collection of historical episodes sets Framingham squarely in the spotlight.

*Summer by the Seaside* Recent Advances in the Study of Oceanic WhitecapsTwixt Wind and Waves

A timely update of a comprehensive & acclaimed series that was granted an Award of Merit from the American Association for State & Local History.

Documents of the Assembly of the State of New York Arcadia Publishing

This book provides the reader with the a comprehensive summary of the recent advances in the study of whitecaps. It is the first major publication focusing specifically on whitecaps and their role in



a variety of climate-relevant air-sea interaction processes since the publication, in 1986, of *Oceanic Whitecaps, and Their Role in Air-Sea Exchange Processes*, edited by Edward Charles Monahan and Gearoid Mac Niocaill (published by Springer). This book also provides the interested reader with a review of the initial work done on this topic in the second half of the 20th Century.

*The Court Journal* Princeton University Press

A sweeping, richly illustrated architectural study of the large, historic New England coastal resort hotels

**Nantucket Sound** History Press (SC)

Recent Advances in the Study of Oceanic Whitecaps *Twixt Wind and Waves* Springer Nature

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[The Nautical Magazine and Naval Chronicle... a Journal of Papers on Subjects Connected with Maritime Affairs](#) Arcadia Publishing

In recent decades, the vast and culturally diverse Indian Ocean region has increasingly attracted the attention of anthropologists, historians, political scientists, sociologists, and other researchers. Largely missing from this growing body of scholarship, however, are significant contributions by archaeologists and consciously interdisciplinary approaches to studying the region's past and present. *Connecting Continents* addresses two important issues: how best to promote collaborative research on the Indian Ocean world, and how to shape the research agenda for a region that has only recently begun to attract serious interest from historical archaeologists. The archaeologists, historians, and other scholars who have contributed to this volume tackle important topics such as the nature and dynamics of migration, colonization, and cultural syncretism that are central to understanding the human experience in the Indian Ocean basin. This groundbreaking work also deepens our understanding of topics of increasing scholarly and popular interest, such as the ways in which people construct and understand their heritage and can make use of exciting new technologies like DNA and environmental analysis. Because it adopts such an explicitly comparative approach to the Indian Ocean, *Connecting Continents* provides a compelling model for multidisciplinary approaches to studying other parts of the globe. Contributors: Richard B. Allen, Edward A. Alpers, Atholl Anderson, Nicole Boivin, Diego Calaon, Aaron Camens, Saša Čaval, Geoffrey Clark, Alison Crowther, Corinne Forest, Simon Haberle, Diana Heise, Mark Horton, Paul Lane, Martin Mhando, and Alistair Patterson.

*Racing Sailormen* Ardent Media

The cranberry, *Vaccinium macrocarpon*, is one of only three cultivated fruits native to North America. The story of this perennial vine began as the glaciers retreated about fifteen thousand years ago. Centuries later, it kept Native Americans and Pilgrims alive through the winter months, played a role in a diplomatic gesture to King Charles in 1677, protected sailors on board whaling ships from scurvy, fed General Grant's men in 1864, and provided over a million pounds of sustenance per year to our World War II doughboys. Today, it is a powerful tool in the fight against various forms of cancer. This is America's superfruit. This book poses the question of how the cranberry, and by inference other fruits, will fare in a warming climate. In her attempt to evaluate the effects of climate change, Susan Playfair interviewed growers from Massachusetts west to Oregon and from New Jersey north to Wisconsin, the cranberry's temperature tolerance range. She also spoke with scientists studying the health benefits of cranberries, plant geneticists mapping the cranberry genome, a plant biologist who provided her with the first regression analysis of cranberry flowering times, and a migrant beekeeper trying to figure out why the bees are dying. Taking a broader view than the other books on cranberries, America's Founding Fruit presents a brief history of cranberry cultivation and its role in our national history, leads the reader through the entire cultivation process from planting through distribution, and assesses the possible effects of climate change on the cranberry and other plants and animals. Could the American cranberry cease growing in the United States? If so, what would be lost?

**The Journals of the Lewis and Clark Expedition: April 7-July 27, 1805** Library of Alexandria

This is the first historical study of indigenous Australian masculinity. Using the reactions of eighteenth-century western explorers to Aboriginal men, Konishi argues that these encounters were not as negative as has been thought.

**And British Army Orders: Gen. Sir William Howe, 1775-1778; Gen. Sir Henry Clinton, 1778; and Gen. Daniel Jones, 1778** UPNE

Just hours after the "shot heard 'round the world" marked the start of the American Revolution, the news from Lexington set alarm bells ringing in Framingham. Minutemen from the town rushed along the road to Concord to help cut off the retreat of British troops. In Salem, where dozens of women were accused of witchcraft, Framingham's founder, Thomas Danforth, helped to end the hysteria and afterward provided sanctuary in Framingham for the families of the wrongfully accused. Staring down the barrels of British guns in Boston, Framingham native Crispus Attucks was one of the first to die for American independence. Though rarely in the foreground of history, Framingham pops up again and again as a backdrop to our nation's great historic episodes. With tales of pirate gold, hypnotized evangelists, blundering spies and bravery in battle, this captivating collection of historical episodes sets Framingham squarely in the spotlight.

[The Journals of Captain Cook](#)

*Quarterly Journal of the Geological Society of London*

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## REVIEW OF SPRITSAIL A JOURNAL OF THE HISTORY OF FALMOUTH AND VICINITY

- I expected this to be an ok effort at best but Ms Hughes surprised me, pleasantly. This novel is a funny, realistic look at what soap acting is like. The main character is very relateable and you find yourself, cheering for her, sympathizing with her, and laughing with her. It is filled with unforgettable characters and situations we've all been in at one time or another. I have enjoyed Ms. Hughes' work on screen and am loving it in print. Bravo!

- If a general reader were to take an interest in physics, and had time to devote to only a few books, this one by Professor Weinberg would be very near the top of the list. (this review pertains to the softcover edition published in 1990. about the only major change since then I am aware of is that the neutrino has been found to possess a small nonzero rest mass.)Ironically, Weinberg is a theoretical physicist (winner of Nobel Prize for his seminal contributions to the modern theory of the weak force and the Standard Model). Yet his book details the series of experimental discoveries in atomic and sub-atomic physics made (mostly) at the Cavendish Laboratory in Britain in the early 20th century.Weinberg begins chapter one with the historical notion of the atom, and also gives its modern understanding, which is the main concept to be developed throughout the course of the book. Then he introduces the setting of most of the book's action, the Cavendish Laboratory at Cambridge UK. For nonscientists, he presents a summary of units of scientific notation, which will be indispensable.Chapter two introduces the electron and its discoverer, J.J. Thomson. In a five-and-a-half "flashback" section (one of several in the book), he explains how the concept of electricity first arose back in ancient Greece and medieval Europe and proceeds with its historical development through the time of Ben Franklin up to Thomson's time. He notes that even today, triboelectricity is not well understood. Then electrical discharges produced in cathode ray tubes are presented as the first devices that could allow systematic study of electric currents. Even these were not well suited until effective vacuum pumps could evacuate the tubes sufficiently to eliminate the spurious effects of electron collisions with stray air molecules in the tube. It was noted that the glow and its shadows could be deflected by magnets and electrically charged plates, indicating that the rays were charged particles.Turning to Thomson's mathematical analysis of these projectiles, Weinberg goes into another four-page flashback to present the basics of Newton's laws of motion, then he takes up the thread again with Thomson's mathematical treatment of the deflection of cathode rays. He relates "Unlike the electric force, the magnetic force acting on a particle is proportional to the particle's velocity as well as to its electric charge. Therefore, the displacement of the ray by magnetic forces depends on a different combination of ray-particle parameters than the displacement due to electric force. By measuring the deflections due to electric and to magnetic forces, Thomson was able to learn the values of two different combinations of ray-particle parameters, and in this way he could determine both the ray-particle velocities and the ratio of their charge and mass."In another flashback, the facts of life pertaining to the electric force is presented (four and a half pages), then on to electric deflection of cathode rays, and a six page flashback on the magnetic force, and then the magnetic deflection of cathode rays. Finally, the results of Thomson's analysis is presented.Here Weinberg has to start over once again, as Thomson was not completely satisfied with his analysis of cathode ray deflection (although the data presented is reasonably consistent and convincing). "He also employed another method based on measurements of heat energy deposited at the end of the tube." Now Weinberg goes into a four and a half flashback to present the basics of the concept of energy, and then Thomson's results of this energy relations-based analysis. "The cathode ray was directed into a small metal collector that would capture the electric charge of the ray particles and would also capture their kinetic energy, converting it to heat. The ratio of the heat energy and electric charge deposited in the collector then gives the ratio of the kinetic energy and the charge of each ray particle...Thomson had no idea of the detailed physical processes that occur when a cathode ray hits a metal collector, but he could be confident that the increase in heat energy of the collector had to be equal to the kinetic energy lost by the cathode-ray particles when they were stopped by the collector."Finally, the idea of the cathode ray particles, now known as "electrons", as elementary particles, concludes chapter one. "There was no way the existence of smaller particles within the atom could be verified on the basis of Thomson's 1897 experiments. Thomson did not claim that he had proved it, but there were a number of hints that led him to his far-reaching conclusions. The first was the universality of the measured ratios of mass to charge, [which] did not seem to depend on any of the circumstances under which it was measured...Thomson also quoted a result of Zeeman that indicated similar values of mass/charge ratio that characterized the electric currents in atoms that are responsible for the emission and absorption of light." In a two page flashback the Zeeman effect is explained. Further, evidence indicated that the cathode ray particles bear similarities to the particles produced by the photoelectric effect, and their charges are of similar magnitudes to the ions produced by electrolysis. Although Kaufmann produced more accurate results than Thomson in similar experiments, only Thomson took the bold step of proposing the cathode ray particles as fundamental constituents of the atom because, not being an adherent of the "Vienna Circle" or applied logical positivism, "he [Thomson] thought it was part of the business of physics to discover fundamental particles."Chapter three, "The Atomic Scale", greatly broadens the range of topics covered. Weinberg makes the point that Thomson was unable to

measure the charge or mass of the electron, only their ratio. Weinberg upps the stakes of the investigational effort by stating that "The physicists and chemists of the 19th century had measured a great many other ratios of atomic properties...All that was needed was one good measurement of either the charge of the electron, the mass of the electron, or the mass or volume of any single atom, and all these ratios could be converted into values for the mass of the electron and the charge of the electron and the mass and volume of every sort of atom. In short, the scale of all atomic phenomena would then be known." In my words, the very linchpin of atomic and molecular physics!In this chapter we get flashbacks on the foundational concepts of chemistry: atomic weights, Avagadro's molecular concept, and electrolysis. Then Weinberg proceeds with the work of Townsend and Wilson, with water droplets, which led directly to Millikan's measurement of the fundamental electronic charge with droplets of mineral oil.Chapter four, "The Nucleus", starts with the question of the source of the positive charge within the atom that is necessary to cancel out the negative charge of the electrons in order to make the atom electrically neutral. Thomson's own "plum pudding" model and Nagaoka's "Saturnian" model are suggested as candidates. But Weinberg must, of course, start at the beginning, and for the atomic nucleus, that was the discovery of radioactivity by Becquerel. Here Rutherford himself enters the picture, with his and Soddy's investigations of the alpha, beta, and gamma nuclear radiations. Weinberg goes into their discoveries of elemental transmutations, decay series, the displacement laws, elemental half-lives, and the particle characteristics of the three main nuclear radiations: alpha particles being essentially helium nuclei (and radioactive substances being strongly associated with helium gas), beta particles being the same as electrons, and gamma rays being high-energy light rays (the term "photon" was not then invented). Most astonishing about radioactivity were the calculations of the enormous energies that were being liberated. Even our friend Albert Einstein enters the picture here with the cameo appearance of his  $E=mc^2$  energy-mass equation, as it relates to the changes in atomic mass and the resulting liberation of energy in radioactive nuclei.At last we come to Rutherford's famous scattering experiment conducted by his students Geiger and Marsden, which revealed the atomic nucleus. Weinberg describes the surprising large-angle scattering of alpha particles by gold nuclei, and how Rutherford's interpretation of it led to his conclusion that a massive, positively charged particle called the nucleus dwells at the center of the atom. The correlation of atomic number with atomic weight comes next, followed by the explanation for variations in atomic weights among the elements; in other words, the isotopes. This, of course, brings us to the question of the internal constitution of the nucleus itself. The first step in this investigation was the discovery of the nuclear disintegration of nitrogen nuclei due to Rutherford, and his speculation of a neutrally-charged nuclear constituent. This, of course, brings us to the discovery of the neutron by Chadwick, accomplished due to his experiments with the beryllium rays. At last, Weinberg takes up the issue of the neutron as a fundamental particle. "For Chadwick, as for Rutherford, the neutron was merely a composite of a proton and an electron...It is difficult to pinpoint the moment at which the neutron became accepted as a fully accredited elementary particle." Weinberg explains the facts confounding this concept: the molecular spectra of the nitrogen molecule, the source of the beta particles in nuclear transformations (Fermi's theory of the weak force), and ever-finer measurements of the nuclear masses and the strong force (through nuclear scattering experiments). This chapter closes with a discussion of the map of the isotopes of all the elements, and how their lifetimes and stabilities vary with their binding energies and proton-neutron ratios.The concluding chapter, "More Particles", goes on to describe, in summary fashion only, subsequent discoveries in subatomic physics. These include: photons, neutrinos, the positron and other antiparticles, the "heavy electrons" (muon and tauon), the pion and the other mesons, the "V-particles" or strange particles (now known generally as hyperons), and the quarks. In the case of the neutrino, Weinberg briefly explains the problem of the missing energy in beta decay, and how it caused Pauli to hypothesize the neutrino, and how Fermi incorporated it and the new weak force into his theory of beta decay. In the case of the positron, Weinberg briefly explains how Dirac's relativistic quantum equation for the electron caused him to hypothesize the existence of positive energy states for the electron, which was confirmed by Anderson's discovery of the positron.Now, the reason I'm outlining the book in such detail is because I wish to emphasize the depth and breadth of Weinberg's coverage of these foundational principles. He introduces the history of each supporting concept from its very beginning and develops their evolutions from one idea to the next. The mathematical treatment is detailed and extensive, but totally arithmetic and algebraic -- no calculus! More exhaustive treatments are referred to in the book's 36 pages appendices, and again here no calculus! The most advanced math are the logarithmic and tangent functions. Weinberg takes care to make clear the units of measure involved with each equation presented.Each idea and the work of the entire community of physicists are explained in terms of the preceding ones, making clear how they interrelate and support one another. The narrative touches on so many foundational principles of physics so as to recommend itself as an outstanding way to introduce oneself to them.More than that, Weinberg makes plain the trains of thought that led the physicists to their hypotheses and interpretations of their experimental results. When you're a theorist, all you really need to know is theory (though of course being informed by experimental methods can only be helpful), but if you're an experimental physicist, you have to be good BOTH with your hands, and at the blackboard as well! Weinberg's presentation makes this fact stand out in stark relief.One thing I like about Weinberg's narrative is his awareness of the counterfactuals. When reading any history, it is all too easy to overlook the unknowns the principals had to confront in their thinking, and the choices they had to make. We now know that atoms are made of nuclei and electrons, and nuclei are made of protons and neutrons, and nucleons are made of quarks, etc. etc. But when these men were first looking deep into the atom with their primitive instruments, they had no idea of what they were looking for. Says Weinberg, "This totting up of evidence gives an altogether misleading impression of the easiness of Rutherford's task in explaining the large-angle scatterings. A great many wrong explanations must have passed through his mind." Weinberg also mentions difficulties in separating facts from confusing complications. "Rutherford concluded that the particles responsible for the scintillations were the nuclei of hydrogen, which we now call protons. However, he did not know whether these protons were just recoiling nuclei from hydrogen atoms that happened to be present on the metal source and were struck by alpha particles, or whether they were actually knocked out of elements heavier than hydrogen."The book is replete with drawings, diagrams, and photographs.As a detailed technical and conceptual history of atomic and sub-atomic physics, Weinberg's book stands, in my opinion, unrivalled. He explains its development with a thorough yet not-too-thorough mathematical treatment. This book has something for everyone whether they want to understand the experiments or the historical development of modern particle physics. As an introduction to the foundational concepts of physics, its breadth and depth recommends itself especially to the student physicist.