

Neptune S Laboratory Fantasy Fear And Science At S

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The Atrocity Archives - Charles Stross 2006-01-03

The first novel in Hugo Award-winning author Charles Stross's witty Laundry Files series. Bob Howard is a low-level techie working for a super-secret government agency. While his colleagues are out saving the world, Bob's under a desk restoring lost data. His world was dull and safe - but then he went and got Noticed. Now, Bob is up to his neck in spycraft, parallel universes, dimension-hopping terrorists, monstrous elder gods and the end of the world. Only one thing is certain: it will take more than a full system reboot to sort this mess out . . .

Dark Matter and the Dinosaurs - Lisa Randall 2015-10-27

In this brilliant exploration of our cosmic environment, the renowned particle physicist and New York Times bestselling author of *Warped Passages* and *Knocking on Heaven's Door* uses her research into dark matter to illuminate the startling connections between the furthest reaches of space and life here on Earth. Sixty-six million years ago, an object the size of a city descended from space to crash into Earth, creating a devastating cataclysm that killed off the dinosaurs, along with three-quarters of the other species on the planet. What was its origin? In *Dark Matter and the Dinosaurs*, Lisa Randall proposes it was a comet that was dislodged from its orbit as the Solar System passed through a disk of dark matter embedded in the Milky Way. In a sense, it might have

been dark matter that killed the dinosaurs. Working through the background and consequences of this proposal, Randall shares with us the latest findings—established and speculative—regarding the nature and role of dark matter and the origin of the Universe, our galaxy, our Solar System, and life, along with the process by which scientists explore new concepts. In *Dark Matter and the Dinosaurs*, Randall tells a breathtaking story that weaves together the cosmos' history and our own, illuminating the deep relationships that are critical to our world and the astonishing beauty inherent in the most familiar things.

A Discovery of Witches - Deborah Harkness 2011-02-08

Now a major Sky original production - Season 2 streaming now THE NUMBER ONE INTERNATIONAL AND SUNDAY TIMES BESTSELLER. A *Discovery of Witches* is the first in the must-read ALL SOULS trilogy. It begins with absence and desire. It begins with blood and fear. It begins with a discovery of witches. Fall under the spell of Diana and Matthew in the stunning first volume of the No.1 internationally bestselling ALL SOULS trilogy. A world of witches, daemons and vampires. A manuscript which holds the secrets of their past and the key to their future. Diana and Matthew - the forbidden love at the heart of it. When historian Diana Bishop opens an alchemical manuscript in the Bodleian Library, it's an unwelcome intrusion of magic into her carefully ordered life. Though

Diana is a witch of impeccable lineage, the violent death of her parents while she was still a child convinced her that human fear is more potent than any witchcraft. Now Diana has unwittingly exposed herself to a world she's kept at bay for years; one of powerful witches, creative, destructive daemons and long-lived vampires. Sensing the significance of Diana's discovery, the creatures gather in Oxford, among them the enigmatic Matthew Clairmont, a vampire geneticist. Diana is inexplicably drawn to Matthew and, in a shadowy world of half-truths and old enmities, ties herself to him without fully understanding the ancient line they are crossing. As they begin to unlock the secrets of the manuscript and their feelings for each other deepen, so the fragile balance of peace unravels... Five reasons to read A Discovery of Witches and the All Souls Trilogy 'Rich, thrilling ... A captivating and romantic ripping yarn' E L James 'Intelligent and off-the-wall ... irresistible to Twilight fans' Sunday Times 'I could lose myself in here and never want to come out ... Utterly enchanting on every level' Manda Scott 'Exciting amounts of spells, kisses and battles, and is recounted with enchanting, page-turning panache' Marie Claire 'A bubbling cauldron of illicit desire ... an assured saga that blends romance with fantasy' Daily Mail

Afrofuturism - Ytasha L. Womack 2013-10-01

2014 Locus Awards Finalist, Nonfiction Category In this hip, accessible primer to the music, literature, and art of Afrofuturism, author Ytasha Womack introduces readers to the burgeoning community of artists creating Afrofuturist works, the innovators from the past, and the wide range of subjects they explore. From the sci-fi literature of Samuel Delany, Octavia Butler, and N. K. Jemisin to the musical cosmos of Sun Ra, George Clinton, and the Black Eyed Peas' will.i.am, to the visual and multimedia artists inspired by African Dogon myths and Egyptian deities, the book's topics range from the "alien" experience of blacks in America to the "wake up" cry that peppers sci-fi literature, sermons, and activism. With a twofold aim to entertain and enlighten, Afrofuturists strive to break down racial, ethnic, and social limitations to empower and free individuals to be themselves.

The Lost Elements - Marco Fontani 2015

In the mid-nineteenth century, chemists came to the conclusion that elements should be organized by their atomic weights. However, the atomic weights of various elements were calculated erroneously, and chemists also observed some anomalies in the properties of other elements. Over time, it became clear that the periodic table as currently comprised contained gaps, missing elements that had yet to be discovered. A rush to discover these missing pieces followed, and a seemingly endless amount of elemental discoveries were proclaimed and brought into laboratories. It wasn't until the discovery of the atomic number in 1913 that chemists were able to begin making sense of what did and what did not belong on the periodic table, but even then, the discovery of radioactivity convoluted the definition of an element further. Throughout its formation, the periodic table has seen false entries, good-faith errors, retractions, and dead ends; in fact, there have been more elemental "discoveries" that have proven false than there are current elements on the table. *The Lost Elements: The Shadow Side of Discovery* collects the most notable of these instances, stretching from the nineteenth century to the present. The book tells the story of how scientists have come to understand elements, by discussing the failed theories and false discoveries that shaped the path of scientific progress. Chapters range from early chemists' stubborn refusal to disregard alchemy as legitimate practice, to the effects of the atomic number on discovery, to the switch in influence from chemists to physicists, as elements began to be artificially created in the twentieth century. Along the way, Fontani, Costa, and Orna introduce us to the key figures in the development of the periodic table as we know it. And we learn, in the end, that this development was shaped by errors and gaffs as much as by correct assumptions and scientific conclusions.

20,000 Leagues Under the Sea - Jules Verne 2010

20,000 Leagues under the Sea tells the story of a scientist, Arronax, who joins an expedition to find and destroy a mysterious sea monster who is attacking ships. Instead, he finds himself the prisoner of the proud and ruthless Captain Nemo, captain of the amazing submarine, *The Nautilus*.

Absolute Zero and the Conquest of Cold - Tom Shachtman

2000-12-12

“A lovely, fascinating book, which brings science to life.” —Alan Lightman Combining science, history, and adventure, Tom Shachtman “holds the reader’s attention with the skill of a novelist” as he chronicles the story of humans’ four-centuries-long quest to master the secrets of cold (Scientific American). “A disarming portrait of an exquisite, ferocious, world-ending extreme,” Absolute Zero and the Conquest of Cold demonstrates how temperature science produced astonishing scientific insights and applications that have revolutionized civilization (Kirkus Reviews). It also illustrates how scientific advancement, fueled by fortuitous discoveries and the efforts of determined individuals, has allowed people to adapt to—and change—the environments in which they live and work, shaping man’s very understanding of, and relationship, with the world. This “truly wonderful book” was adapted into an acclaimed documentary underwritten by the National Science Foundation and the Alfred P. Sloan Foundation, directed by British Emmy Award winner David Dugan, and aired on the BBC and PBS’s Nova in 2008 (Library Journal). “An absorbing account to chill out with.” —Booklist

Japan's Empire of Birds - Annika A. Culver 2022-03-24

As a transnational history of science, Japan's Empire of Birds: Aristocrats, Anglo-Americans, and Transwar Ornithology focuses on the political aspects of highly mobile Japanese explorer-scientists, or cosmopolitan gentlemen of science, circulating between Japanese and British/American spaces in the transwar period from the 1920s to 1950s. Annika A. Culver examines a network of zoologists united by their practice of ornithology and aristocratic status. She goes on to explore issues of masculinity and race related to this amidst the backdrop of imperial Japan's interwar period of peaceful internationalism, the rise of fascism, the Japanese takeover of Manchuria, and war in China and the Pacific. Culver concludes by investigating how these scientists repurposed their aims during Japan's Allied Occupation and the Cold War. Inspired by geographer Doreen Massey, themes covered in the volume include social space and place in these specific locations and how

identities transform to garner social capital and scientific credibility in transnational associations and travel for non-white scientists.

Probability Theory - E. T. Jaynes 2003-04-10

The standard rules of probability can be interpreted as uniquely valid principles in logic. In this book, E. T. Jaynes dispels the imaginary distinction between 'probability theory' and 'statistical inference', leaving a logical unity and simplicity, which provides greater technical power and flexibility in applications. This book goes beyond the conventional mathematics of probability theory, viewing the subject in a wider context. New results are discussed, along with applications of probability theory to a wide variety of problems in physics, mathematics, economics, chemistry and biology. It contains many exercises and problems, and is suitable for use as a textbook on graduate level courses involving data analysis. The material is aimed at readers who are already familiar with applied mathematics at an advanced undergraduate level or higher. The book will be of interest to scientists working in any area where inference from incomplete information is necessary.

Perdido Street Station - China Miéville 2003-07-29

WINNER OF THE AUGUST DERLETH AND ARTHUR C. CLARKE AWARDS • A masterpiece brimming with scientific splendor, magical intrigue, and fierce characters, from the author who “has reshaped modern fantasy” (The Washington Post) “[China Miéville’s] fantasy novels, including a trilogy set in and around the magical city-state of New Crobuzon, have the refreshing effect of making Middle-earth seem plodding and flat.”—The New York Times The metropolis of New Crobuzon sprawls at the center of the world. Humans and mutants and arcane races brood in the gloom beneath its chimneys, where the river is sluggish with unnatural effluent and foundries pound into the night. For a thousand years, the Parliament and its brutal militias have ruled over a vast economy of workers and artists, spies and soldiers, magicians, crooks, and junkies. Now a stranger has arrived, with a pocketful of gold and an impossible demand. And something unthinkable is released. The city is gripped by an alien terror. The fate of millions lies with a clutch of renegades. A reckoning is due at the city’s heart, in the vast edifice of

brick and wood and steel under the vaults of Perdido Street Station. It is too late to escape.

Dead Zones - David L. Kirchman 2021-01-22

Dead zones are on the rise... Human activity has caused an increase in uninhabitable, oxygen-poor zones--also known as "dead zones"--in our waters. Oxygen is the third most abundant element in the universe, and it is a necessity for nearly all life on Earth. Yet many rivers, estuaries, coastal waters, and parts of the open ocean lack enough of it. In this book, David L. Kirchman explains the impacts of dead zones and provides an in-depth history of oxygen loss in water. He details the role the agricultural industry plays in water pollution, showcasing how fertilizers contaminate water supplies and kickstart harmful algal blooms in local lakes, reservoirs, and coastal oceans. Algae decomposition requires so much oxygen that levels drop low enough to kill fish, destroy bottom-dwelling biota, reduce biological diversity, and rearrange food webs. We can't undo the damage completely, but we can work together to reduce the size and intensity of dead zones in places like the Gulf of Mexico, Chesapeake Bay, and the Baltic Sea. Not only does Kirchman clearly outline what dead zones mean for humanity, he also supplies ways we can reduce their deadly impact on human and aquatic life. Nutrient pollution in some regions has already begun to decline because of wastewater treatment, buffer zones, cover crops, and precision agriculture. More needs to be done, though, to reduce the harmful impact of existing dead zones and to stop the thousands of new ones from cropping up in our waters. Kirchman provides insight into the ways changing our diet can reduce nutrient pollution while also lowering greenhouse gasses emitted by the agricultural industry. Individuals can do something positive for their health and the world around them. The resulting book allows readers interested in the environment--whether students, policymakers, ecosystem managers, or science buffs--to dive into these deadly zones and discover how they can help mitigate the harmful effects of oxygen-poor waters today.

Pale Blue Dot - Carl Sagan 2011-07-06

"Fascinating . . . memorable . . . revealing . . . perhaps the best of Carl

Sagan's books."—The Washington Post Book World (front page review)
In *Cosmos*, the late astronomer Carl Sagan cast his gaze over the magnificent mystery of the Universe and made it accessible to millions of people around the world. Now in this stunning sequel, Carl Sagan completes his revolutionary journey through space and time. Future generations will look back on our epoch as the time when the human race finally broke into a radically new frontier—space. In *Pale Blue Dot*, Sagan traces the spellbinding history of our launch into the cosmos and assesses the future that looms before us as we move out into our own solar system and on to distant galaxies beyond. The exploration and eventual settlement of other worlds is neither a fantasy nor luxury, insists Sagan, but rather a necessary condition for the survival of the human race. "Takes readers far beyond *Cosmos* . . . Sagan sees humanity's future in the stars."—Chicago Tribune

Chasing New Horizons - Alan Stern 2018-05-01

Called "spellbinding" (*Scientific American*) and "thrilling...a future classic of popular science" (PW), the up close, inside story of the greatest space exploration project of our time, *New Horizons'* mission to Pluto, as shared with David Grinspoon by mission leader Alan Stern and other key players. On July 14, 2015, something amazing happened. More than 3 billion miles from Earth, a small NASA spacecraft called *New Horizons* screamed past Pluto at more than 32,000 miles per hour, focusing its instruments on the long mysterious icy worlds of the Pluto system, and then, just as quickly, continued on its journey out into the beyond. Nothing like this has occurred in a generation—a raw exploration of new worlds unparalleled since NASA's *Voyager* missions to Uranus and Neptune—and nothing quite like it is planned to happen ever again. The photos that *New Horizons* sent back to Earth graced the front pages of newspapers on all 7 continents, and NASA's website for the mission received more than 2 billion hits in the days surrounding the flyby. At a time when so many think that our most historic achievements are in the past, the most distant planetary exploration ever attempted not only succeeded in 2015 but made history and captured the world's imagination. How did this happen? *Chasing New Horizons* is the story of

the men and women behind this amazing mission: of their decades-long commitment and persistence; of the political fights within and outside of NASA; of the sheer human ingenuity it took to design, build, and fly the mission; and of the plans for New Horizons' next encounter, 1 billion miles past Pluto in 2019. Told from the insider's perspective of mission leader Dr. Alan Stern and others on New Horizons, and including two stunning 16-page full-color inserts of images, *Chasing New Horizons* is a riveting account of scientific discovery, and of how much we humans can achieve when people focused on a dream work together toward their incredible goal.

Club Drugs and Novel Psychoactive Substances - Owen Bowden-Jones
2020-10-08

Emerging illicit drugs pose a significant clinical challenge. This handbook offers an engaging, concise guide to managing these challenges.

Comfortable Quarters for Laboratory Animals - Animal Welfare Institute
1956*

How I Killed Pluto and Why It Had It Coming - Mike Brown 2012-01-24
The solar system most of us grew up with included nine planets, with Mercury closest to the sun and Pluto at the outer edge. Then, in 2005, astronomer Mike Brown made the discovery of a lifetime: a tenth planet, Eris, slightly bigger than Pluto. But instead of adding one more planet to our solar system, Brown's find ignited a firestorm of controversy that culminated in the demotion of Pluto from real planet to the newly coined category of "dwarf" planet. Suddenly Brown was receiving hate mail from schoolchildren and being bombarded by TV reporters—all because of the discovery he had spent years searching for and a lifetime dreaming about. A heartfelt and personal journey filled with both humor and drama, *How I Killed Pluto and Why It Had It Coming* is the book for anyone, young or old, who has ever imagined exploring the universe—and who among us hasn't?

Fads and Fallacies in the Name of Science - Martin Gardner
2012-05-04

Fair, witty appraisal of cranks, quacks, and quackeries of science and pseudoscience: hollow earth, Velikovsky, orgone energy, Dianetics, flying saucers, Bridey Murphy, food and medical fads, and much more.

Neptune's Laboratory - Antony Adler 2019-11-19

We have long been fascinated with the oceans and sought "to pierce the profundity" of their depths. But the history of marine science also tells us a lot about ourselves. Antony Adler explores the ways in which scientists, politicians, and the public have invoked ocean environments in imagining the fate of humanity and of the planet.

Land of the Lost Mammoths - Mike Davis 2003

While working with a famous scientist in Greenland, four teenage scientists stumble upon a mysterious find that transports them to the Valley of the Runes where they encounter marooned Vikings, Arctic hurricanes, and other dangerous adventures.

Deep Cut - Christine Keiner 2020-12-15

This book is openly available in digital formats thanks to a generous grant from the Andrew W. Mellon Foundation. The Atlantic-Pacific Central American sea-level canal is generally regarded as a spectacular failure. However, *Deep Cut* examines the canal in an alternative context, as an anticipated infrastructure project that captured attention from the nineteenth through the late twentieth centuries. Its advocates included naturalist Alexander von Humboldt, physicist Edward Teller, and U.S. presidents John F. Kennedy, Lyndon Johnson, and Jimmy Carter. The waterway did not come to fruition, but as a proposal it served important political and scientific purposes during different eras, especially the years spanning the Cold War and the "environmental decade" of the 1970s. Historian Christine Keiner shows how the evolving plans for the sea-level ship canal performed distinct kinds of work for diverse historical actors in light of shifting scientific, environmental, and diplomatic values. Dismissing it as a failed scheme prevents us from considering the political, cultural, and epistemological processes that went into constructing the seaway as an innovative diplomatic solution to rising U.S.-Panama tensions, an exciting research opportunity for evolutionary biologists, a superior hydrocarbon highway for the oil

industry, or a serious ecological threat to marine biodiversity. Invoking past dreams and nightmares of peaceful nuclear explosives, invasive sea snakes, and the 1970s energy crisis, *Deep Cut* uses the Central American seaway proposal to examine the changing roles of environmental diplomacy and state-sponsored environmental impact assessment. More broadly, Keiner amplifies an emerging conversation around the environmental, scientific, and political histories and legacies of unrealized megaprojects.

Evolutions - Oren Harman 2018-06-12

A brilliant lyrical exploration of how modern science illuminates what it means to be human, from the award-winning author of *The Price of Altruism*. We no longer think, like the ancient Chinese did, that the world was hatched from an egg, or, like the Maori, that it came from the tearing-apart of a love embrace. The Greeks told of a tempestuous Hera and a cunning Zeus, but we now use genes and natural selection to explain fear and desire, and physics to demystify the workings of the universe. Science is an astounding achievement, but are we really any wiser than the ancients? Has science revealed the secrets of fate and immortality? Has it provided protection from jealousy or love? There are those who believe that science has replaced faith, but must it also be a death knell for mythology? *Evolutions* brings to life the latest scientific thinking on the birth of the universe and the solar system, the journey from a single cell all the way to our human minds. Reawakening our sense of wonder and terror at the world around us and within us, Oren Harman uses modern science to create new and original mythologies. Here are the earth and the moon presenting a cosmological view of motherhood, a panicking mitochondrion introducing sex and death to the world, the loneliness of consciousness emerging from the memory of an octopus, and the birth of language in evolution summoning humankind's struggle with truth. Science may not solve our existential puzzles, but like the age-old legends, its magical discoveries can help us continue the never-ending search.

Social Science for What? - Mark Solovey 2020-07-07

How the NSF became an important yet controversial patron for the social

sciences, influencing debates over their scientific status and social relevance. In the early Cold War years, the U.S. government established the National Science Foundation (NSF), a civilian agency that soon became widely known for its dedication to supporting first-rate science. The agency's 1950 enabling legislation made no mention of the social sciences, although it included a vague reference to "other sciences." Nevertheless, as Mark Solovey shows in this book, the NSF also soon became a major—albeit controversial—source of public funding for them. Solovey's analysis underscores the long-term impact of early developments, when the NSF embraced a "scientistic" strategy wherein the natural sciences represented the gold standard, and created a social science program limited to "hard-core" studies. Along the way, Solovey shows how the NSF's efforts to support scholarship, advanced training, and educational programs were shaped by landmark scientific and political developments, including McCarthyism, Sputnik, reform liberalism during the 1960s, and a newly energized conservative movement during the 1970s and 1980s. Finally, he assesses the NSF's relevance in a "post-truth" era, questions the legacy of its scientistic strategy, and calls for a separate social science agency—a National Social Science Foundation. Solovey's study of the battles over public funding is crucial for understanding the recent history of the social sciences as well as ongoing debates over their scientific status and social value.

One World Or None - Dexter Editor Masters 2021-09-10

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typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

The Information - James Gleick 2011-03-01

From the bestselling author of the acclaimed *Chaos and Genius* comes a thoughtful and provocative exploration of the big ideas of the modern era: Information, communication, and information theory. Acclaimed science writer James Gleick presents an eye-opening vision of how our relationship to information has transformed the very nature of human consciousness. A fascinating intellectual journey through the history of communication and information, from the language of Africa's talking drums to the invention of written alphabets; from the electronic transmission of code to the origins of information theory, into the new information age and the current deluge of news, tweets, images, and blogs. Along the way, Gleick profiles key innovators, including Charles Babbage, Ada Lovelace, Samuel Morse, and Claude Shannon, and reveals how our understanding of information is transforming not only how we look at the world, but how we live. A New York Times Notable Book A Los Angeles Times and Cleveland Plain Dealer Best Book of the Year Winner of the PEN/E. O. Wilson Literary Science Writing Award

Elemental Haiku - Mary Soon Lee 2019-10-01

A fascinating little illustrated series of 118 haiku about the Periodic Table of Elements, one for each element, plus a closing haiku for element 119 (not yet synthesized). Originally appearing in *Science* magazine, this gifty collection of haiku inspired by the periodic table of elements features all-new poems paired with original and imaginative line illustrations drawn from the natural world. Packed with wit, whimsy, and real science cred, each haiku celebrates the cosmic poetry behind each element, while accompanying notes reveal the fascinating facts that inform it. Award-winning poet Mary Soon Lee's haiku encompass astronomy, biology, chemistry, history, and physics, such as "Nickel, Ni: Forged in fusion's fire,/flung out from supernovae./Demoted to coins." Line by line, *Elemental Haiku* makes the mysteries of the universe's elements accessible to all.

The Neptune Challenge - Polly Holyoke 2015-05-19

Danger lurks beneath. . . . Genetically engineered to survive in the ocean, Nere and her friends are recovering from their treacherous journey to Safety Harbor, an undersea refuge founded by the scientists of the Neptune Project. But plenty of enemies prowl just outside the colony's boundaries, and when two of the children are kidnapped, Nere, her loyal dolphins, and the other Neptune kids must set out on an expedition even more perilous than their first. Tasked with infiltrating the kidnapper's high-tech undersea base, Nere soon discovers that rescuing the missing Neptune kids isn't all there is to her mission: the secret to saving the world's oceans is hidden somewhere deep inside this vast fortress, and she and her friends will have to risk everything to find it. With bloodthirsty shark mutants and savage kids roaming the corridors, will Nere and her companions find a way to save their friends, themselves, and their underwater world? The stakes couldn't be higher in this thrilling sequel to the award-winning *The Neptune Project*. Praise for *The Neptune Project* 2016-2017 Sunshine State Young Readers Award winner 2014-2015 Texas Bluebonnet Master List Maryland Black-Eyed Susan Book Award nominee Bank Street Best Children's Books of the Year, 2014 "Holyoke keeps her prose well-pitched to her audience . . . this suspenseful, undersea dystopia should keep middle schoolers hooked." --Kirkus Reviews "The book revels in the beauty of the underwater world and the creatures that inhabit it. The relationship between the teenagers and the dolphins -- who actually become characters themselves--is especially well crafted. *The Neptune Project* will attract male and female readers." -- VOYA

The Neptune Project - Polly Holyoke 2013-05-28

Nere has never understood why she feels so much more comfortable and confident in water than on land, but everything falls into place when Nere learns that she is one of a group of kids who -- unbeknownst to them -- have been genetically altered to survive in the ocean. These products of "The Neptune Project" will be able to build a better future under the sea, safe from the barren country's famine, wars, and harsh laws. But there are some very big problems: no one asked Nere if she wanted to be

a science experiment, the other Neptune kids aren't exactly the friendliest bunch, and in order to reach the safe haven of the Neptune colony, Nere and her fellow mutates must swim through hundreds of miles of dangerous waters, relying only on their wits, dolphins, and each other to evade terrifying undersea creatures and a government that will stop at nothing to capture the Neptune kids . . . dead or alive. Fierce battles and daring escapes abound as Nere and her friends race to safety in this action-packed aquatic adventure.

Arming Mother Nature - Jacob Darwin Hamblin 2013-05-23

Hamblin argues that military planning for World War III essentially created "catastrophic environmentalism": the idea that human activity might cause global natural disasters. This awareness, Hamblin shows, emerged out of dark ambitions, as governments poured funds into environmental science after World War II.

Vast Expanses - Helen M. Rozwadowski 2018-10-15

Much of human experience can be distilled to saltwater: tears, sweat, and an enduring connection to the sea. In *Vast Expanses*, Helen M. Rozwadowski weaves a cultural, environmental, and geopolitical history of that relationship, a journey of tides and titanic forces reaching around the globe and across geological and evolutionary time. Our ancient connections with the sea have developed and multiplied through industrialization and globalization, a trajectory that runs counter to Western depictions of the ocean as a place remote from and immune to human influence. Rozwadowski argues that knowledge about the oceans—created through work and play, scientific investigation, and also through human ambitions for profiting from the sea—has played a central role in defining our relationship with this vast, trackless, and opaque place. It has helped us to exploit marine resources, control ocean space, extend imperial or national power, and attempt to refashion the sea into a more tractable arena for human activity. But while deepening knowledge of the ocean has animated and strengthened connections between people and the world's seas, to understand this history we must address questions of how, by whom, and why knowledge of the ocean was created and used—and how we create and use this knowledge today.

Only then can we can forge a healthier relationship with our future sea. [The Routledge Handbook of Ocean Space](#) - Kimberley Peters 2022-07-29 Invisible as the seas and oceans may be for so many of us, life as we know it is almost always connected to, and constituted by, activities and occurrences that take place in, on and under our oceans. The Routledge Handbook of Ocean Space provides a first port of call for scholars engaging in the 'oceanic turn' in the social sciences, offering a comprehensive summary of existing trends in making sense of our water worlds, alongside new, agenda-setting insights into the relationships between society and the 'seas around us'. Accordingly, this ambitious text not only attends to a growing interest in our oceans, past and present; it is also situated in a broader spatial turn across the social sciences that seeks to account for how space and place are imbricated in socio-cultural and political life. Through six clearly structured and wide-ranging sections, *The Routledge Handbook of Ocean Space* examines and interrogates how the oceans are environmental, historical, social, cultural, political, legal and economic spaces, and also zones where national and international security comes into question. With a foreword and introduction authored by some of the leading scholars researching and writing about ocean spaces, alongside 31 further, carefully crafted chapters from established as well as early career academics, this book provides both an accessible guide to the subject and a cutting-edge collection of critical ideas and questions shaping the social sciences today. This handbook brings together the key debates defining the 'field' in one volume, appealing to a wide, cross-disciplinary social science and humanities audience. Moreover, drawing on a range of international examples, from a global collective of authors, this book promises to be the benchmark publication for those interested in ocean spaces, past and present. Indeed, as the seas and oceans continue to capture world-wide attention, and the social sciences continue their seaward 'turn', *The Routledge Handbook of Ocean Space* will provide an invaluable resource that reveals how our world is a water world.

[The Disappearing Spoon](#) - Sam Kean 2010-07-12

From New York Times bestselling author Sam Kean comes incredible

stories of science, history, finance, mythology, the arts, medicine, and more, as told by the Periodic Table. Why did Gandhi hate iodine (I, 53)? How did radium (Ra, 88) nearly ruin Marie Curie's reputation? And why is gallium (Ga, 31) the go-to element for laboratory pranksters?* The Periodic Table is a crowning scientific achievement, but it's also a treasure trove of adventure, betrayal, and obsession. These fascinating tales follow every element on the table as they play out their parts in human history, and in the lives of the (frequently) mad scientists who discovered them. THE DISAPPEARING SPOON masterfully fuses science with the classic lore of invention, investigation, and discovery--from the Big Bang through the end of time. *Though solid at room temperature, gallium is a moldable metal that melts at 84 degrees Fahrenheit. A classic science prank is to mold gallium spoons, serve them with tea, and watch guests recoil as their utensils disappear.

American Trip - Ido Hartogsohn 2020-07-14

How historical, social, and cultural forces shaped the psychedelic experience in midcentury America, from CIA experiments with LSD to Timothy Leary's Harvard Psilocybin Project. Are psychedelics invaluable therapeutic medicines, or dangerously unpredictable drugs that precipitate psychosis? Tools for spiritual communion or cognitive enhancers that spark innovation? Activators for one's private muse or part of a political movement? In the 1950s and 1960s, researchers studied psychedelics in all these incarnations, often arriving at contradictory results. In American Trip, Ido Hartogsohn examines how the psychedelic experience in midcentury America was shaped by historical, social, and cultural forces--by set (the mindset of the user) and setting (the environments in which the experience takes place).

Neptune's Laboratory - Antony Adler 2019

We have long been fascinated with the oceans and sought "to pierce the profundity" of their depths. But the history of marine science also tells us a lot about ourselves. Antony Adler explores the ways in which scientists, politicians, and the public have invoked ocean environments in imagining the fate of humanity and of the planet.

Science in Action - Bruno Latour 1987

From weaker to stronger rhetoric : literature - Laboratories - From weak points to strongholds : machines - Insiders out - From short to longer networks : tribunals of reason - Centres of calculation.

The Interstellar Age - Jim Bell 2016-01-19

Voyager 1 left the solar system in 2012; its sister craft, Voyager 2, will do so in 2015. The fantastic journey began in 1977, before the first episode of Cosmos aired. The mission was planned as a grand tour beyond the moon; beyond Mars, Jupiter, and Saturn; and maybe even into interstellar space. The fact that it actually happened makes this humanity's greatest space mission. In The Interstellar Age, award-winning planetary scientist Jim Bell reveals what drove and continues to drive the members of this extraordinary team.

Science and Democracy - Stephen Hilgartner 2015-03-05

In the life sciences and beyond, new developments in science and technology and the creation of new social orders go hand in hand. In short, science and society are simultaneously and reciprocally coproduced and changed. Scientific research not only produces new knowledge and technological systems but also constitutes new forms of expertise and contributes to the emergence of new modes of living and new forms of exchange. These dynamic processes are tightly connected to significant redistributions of wealth and power, and they sometimes threaten and sometimes enhance democracy. Understanding these phenomena poses important intellectual and normative challenges: neither traditional social sciences nor prevailing modes of democratic governance have fully grappled with the deep and growing significance of knowledge-making in twenty-first century politics and markets. Building on new work in science and technology studies (STS), this book advances the systematic analysis of the coproduction of knowledge and power in contemporary societies. Using case studies in the new life sciences, supplemented with cases on informatics and other topics such as climate science, this book presents a theoretical framing of coproduction processes while also providing detailed empirical analyses and nuanced comparative work. Science and Democracy: Knowledge as Wealth and Power in the Biosciences and Beyond will be interesting for

students of sociology, science & technology studies, history of science, genetics, political science, and public administration.

Fashionable Nonsense - Alan Sokal 2014-01-14

In 1996 physicist Alan Sokal published an essay in *Social Text*--an influential academic journal of cultural studies--touting the deep similarities between quantum gravitational theory and postmodern philosophy. Soon thereafter, the essay was revealed as a brilliant parody, a catalog of nonsense written in the cutting-edge but impenetrable lingo of postmodern theorists. The event sparked a furious debate in academic circles and made the headlines of newspapers in the U.S. and abroad. Now in *Fashionable Nonsense: Postmodern Intellectuals' Abuse of Science*, Sokal and his fellow physicist Jean Bricmont expand from where the hoax left off. In a delightfully witty and clear voice, the two thoughtfully and thoroughly dismantle the pseudo-scientific writings of some of the most fashionable French and American intellectuals. More generally, they challenge the widespread notion that scientific theories are mere "narrations" or social constructions.

Waters of the World - Sarah Dry 2019-11-15

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.

Environing Media - Adam Wickberg 2022-08-22

This edited volume interrogates the role of media technologies in the formation of environments, understood both as physical spaces and as epistemological constructs about them. Using the concept of 'environing media', the book advances a deeper understanding of how media processes - defined here as the storage, process, and transmission of data - influence human-Earth relations. Virtually all aspects of the interconnected global ecological crisis can be related to the intensification and acceleration of scaling up the human imprint on the planet by technological means. Combining ideas from the humanities, arts, and humanistic social sciences, *Environing Media* offers a perspective on how we entered the current geological epoch - the Anthropocene. The ten chapters explore colonial, planetary, and elemental environing media, with cases including indigenous history, ocean monitoring, computational history, climate modeling, environmental history, the air as medium, the biosphere, and the Earth system. Drawing upon a breadth of examples and expertise in history, anthropology, geography, cultural history, science and technology studies, and media studies, the book discovers a novel approach to human-Earth histories that demonstrates how technologies have mediated between humans and environments and in the process contributed to a societal feedback loop between knowing and doing environment, each impacting the other. *Environing Media* is a timely addition for scholars and upper-level students in environmental humanities and media studies.

The Golden Age - John C. Wright 2003-04-14

The Golden Age is Grand Space Opera, a large-scale SF adventure novel in the tradition of A. E. Van vogt and Roger Zelazny, with perhaps a bit of Cordwainer Smith enriching the style. It is an astounding story of super science, a thrilling wonder story that recaptures the excitements of SF's golden age writers. The Golden Age takes place 10,000 years in the future in our solar system, an interplanetary utopian society filled with immortal humans. Within the frame of a traditional tale-the one rebel who is unhappy in utopia-Wright spins an elaborate plot web filled with suspense and passion. Phaethon, of Radamanthus House, is attending a glorious party at his family mansion to celebrate the thousand-year anniversary of the High Transcendence. There he meets first an old man who accuses him of being an impostor and then a being from Neptune who claims to be an old friend. The Neptunian tells him that essential

parts of his memory were removed and stored by the very government that Phaethon believes to be wholly honorable. It shakes his faith. He is an exile from himself. And so Phaethon embarks upon a quest across the transformed solar system--Jupiter is now a second sun, Mars and Venus terraformed, humanity immortal--among humans, intelligent machines, and bizarre life forms that are partly both, to recover his memory, and to learn what crime he planned that warranted such preemptive punishment. His quest is to regain his true identity. The Golden Age is one of the major, ambitious SF novels of the year and the international launch of an important new writer in the genre. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.