

# SUFFERING

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for science

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REASON AND SACRIFICE IN MODERN AMERICA

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REBECCA M. HERZIG

# Suffering For Science Reason Sacrifice

**Chanda Prescod-Weinstein**



## **Suffering For Science Reason Sacrifice:**

**Suffering For Science** Rebecca Herzig, 2005-10-17 From gruesome self experimentation to exhausting theoretical calculations stories abound of scientists willfully surrendering health well being and personal interests for the sake of their work What accounts for the prevalence of this coupling of knowledge and pain and for the peculiar assumption that science requires such suffering In this lucid and absorbing history Rebecca M Herzig explores the rise of an ethic of self sacrifice in American science Delving into some of the more bewildering practices of the Gilded Age and the Progressive Era she describes when and how science the supposed standard of all things judicious and disinterested came to rely on an enthralled investigator willing to embrace toil danger and even lethal dismemberment With attention to shifting racial sexual and transnational politics Herzig examines the suffering scientist as a way to understand the rapid transformation of American life between the Civil War and World War I 3 **Suffering for Science** reveals more than the passion evident in many scientific vocations it also illuminates a nation's changing understandings of the purposes of suffering the limits of reason and the nature of freedom in the aftermath of slavery

**The Science of Deception** Michael Pettit, 2013-01-18 During the late nineteenth and early twentieth centuries Americans were fascinated with fraud P T Barnum artfully exploited the American yen for deception and even Mark Twain championed it arguing that lying was virtuous insofar as it provided the glue for all interpersonal intercourse But deception was not used solely to delight and many fell prey to the schemes of con men and the wiles of spirit mediums As a result a number of experimental psychologists set themselves the task of identifying and eliminating the illusions engendered by modern commercial life By the 1920s however many of these same psychologists had come to depend on deliberate misdirection and deceitful stimuli to support their own experiments **The Science of Deception** explores this paradox weaving together the story of deception in American commercial culture with its growing use in the discipline of psychology Michael Pettit reveals how deception came to be something that psychologists not only studied but also employed to establish their authority They developed a host of tools the lie detector psychotherapy an array of personality tests and more for making deception more transparent in the courts and elsewhere Pettit's study illuminates the intimate connections between the scientific discipline and the marketplace during a crucial period in the development of market culture With its broad research and engaging tales of treachery **The Science of Deception** will appeal to scholars and general readers alike

**Spatial Turns** Jaimey Fisher, Barbara Caroline Mennel, 2010 The phrase spatial turns signals the growing importance of space as an analytical as well as representational category for culture The volume addresses such emerging modes of inquiry by bringing together for the first time essays that engage with spatial turns spatiality and the theoretical implications of both in the context of German culture history and theory Migrating from fields like geography urban studies and architecture the new centrality of space has transformed social science fields as diverse as sociology philosophy and psychology In cultural studies productive analyses of space increasingly cut across the studies of literature

film popular culture and the visual arts *Spatial Turns* brings together essays that apply a spatial analysis to German literature and other media and engages with specifically German theorizations of space by such figures as Siegfried Kracauer and Walter Benjamin The volume is organized in four sections Mapping Spaces addresses cartography in all forms and in its intersection with culture Spaces of the Urban takes up one of the key sites of spatial studies the city Spaces of Encounter considers how Germany has become a contact zone for multiple ethnicities and Visualized Spaces concerns the theorization of space in film and new media studies *The Palgrave Handbook of Critical Menstruation Studies* Chris Bobel, Inga T.

Winkler, Breanne Fahs, Katie Ann Hasson, Elizabeth Arveda Kissling, Tomi-Ann Roberts, 2020-07-24 This open access handbook the first of its kind provides a comprehensive and carefully curated multidisciplinary and genre spanning view of the state of the field of Critical Menstruation Studies opening up new directions in research and advocacy It is animated by the central question what new lines of inquiry are possible when we center our attention on menstrual health and politics across the life course The chapters diverse in content form and perspective establish Critical Menstruation Studies as a potent lens that reveals complicates and unpacks inequalities across biological social cultural and historical dimensions This handbook is an unmatched resource for researchers policy makers practitioners and activists new to and already familiar with the field as it rapidly develops and expands *Feminism in the Wild* Ambika Kamath, Melina Packer, 2025-09-02 How dominant culture

from sexism and homophobia to racism capitalism ableism and more has limited the science of animal behavior and how we can free ourselves from these limited perspectives In *Feminism in the Wild* Ambika Kamath and Melina Packer reveal how scientists studying animal behavior have long projected human norms and values onto animals while seeking to understand them When scientific studies conclude that these norms and values are natural in animals it makes it easier to think of them as natural in humans too And because scientists historically and to this day largely belong to elite powerful segments of society the norms and values embedded in animal behavior science match those of the already powerful How can animal behavior science escape this trap of naturalizing dominant culture Drawing from decades of feminist antiracist queer disability justice and Marxist contributions including those of biologists Kamath and Packer break down persistent assumptions in the status quo of animal behavior science and offer a multitude of alternative approaches Core concepts in animal behavior science and evolutionary biology from sex categories and sexual selection to fitness adaptation biological determinism and more are carefully contextualized and critically reexamined This unique collaboration between an animal behavior scientist and a feminist science studies scholar is an illuminating and hopeful read for anyone who is curious about how animals behave and anyone who wants to break free from scientific approaches that perpetuate systems of oppression

*A Companion to the History of Science* Bernard Lightman, 2019-11-12 The Wiley Blackwell Companion to the History of Science is a single volume companion that discusses the history of science as it is done today providing a survey of the debates and issues that dominate current scholarly discussion with contributions from leading international scholars

Provides a single volume overview of current scholarship in the history of science edited by one of the leading figures in the field Features forty essays by leading international scholars providing an overview of the key debates and developments in the history of science Reflects the shift towards deeper historical contextualization within the field Helps communicate and integrate perspectives from the history of science with other areas of historical inquiry Includes discussion of non Western themes which are integrated throughout the chapters Divided into four sections based on key analytic categories that reflect new approaches in the field

**The Uses of Humans in Experiment**, 2016-03-11 Scientific experimentation with humans has a long history Combining elements of history of science with history of medicine The Uses of Humans in Experiment illustrates how humans have grappled with issues of consent and how scientists have balanced experience with empiricism to achieve insights for scientific as well as clinical progress The modern incarnation of ethics has often been considered a product of the second half of the twentieth century as enshrined in international laws and codes but these authors remind us that this territory has long been debated considered and revisited as a fundamental part of the scientific enterprise that privileges humans as ideal subjects for advancing research

**The Disordered Cosmos** Chanda Prescod-Weinstein, 2021-03-09 From a star theoretical physicist a journey into the world of particle physics and the cosmos and a call for a more liberatory practice of science Winner of the 2021 Los Angeles Times Book Prize in Science Technology Winner of the 2022 Phi Beta Kappa Book Award in Science Winner of the 2022 PEN Oakland Josephine Miles Award A Finalist for the 2022 PEN E O Wilson Literary Science Writing Award A Smithsonian Magazine Best Science Book of 2021 A Symmetry Magazine Top 10 Physics Book of 2021 An Entropy Magazine Best Nonfiction Book of 2020 2021 A Publishers Weekly Best Nonfiction Book of the Year A Kirkus Reviews Best Nonfiction Book of 2021 A Booklist Top 10 Sci Tech Book of the Year In The Disordered Cosmos Dr Chanda Prescod Weinstein shares her love for physics from the Standard Model of Particle Physics and what lies beyond it to the physics of melanin in skin to the latest theories of dark matter along with a perspective informed by history politics and the wisdom of Star Trek One of the leading physicists of her generation Dr Chanda Prescod Weinstein is also one of fewer than one hundred Black American women to earn a PhD from a department of physics Her vision of the cosmos is vibrant buoyantly nontraditional and grounded in Black and queer feminist lineages Dr Prescod Weinstein urges us to recognize how science like most fields is rife with racism misogyny and other forms of oppression She lays out a bold new approach to science and society beginning with the belief that we all have a fundamental right to know and love the night sky The Disordered Cosmos dreams into existence a world that allows everyone to experience and understand the wonders of the universe

**Good Science** Charis Thompson, 2013-12-20 An examination of a decade and a half of political controversy ethical debate and scientific progress in stem cell research After a decade and a half human pluripotent stem cell research has been normalized There may be no consensus on the status of the embryo only a tacit agreement to disagree but the debate now takes place in a context in which human stem cell research and related

technologies already exist In this book Charis Thompson investigates the evolution of the controversy over human pluripotent stem cell research in the United States and proposes a new ethical approach for good science Thompson traces political ethical and scientific developments that came together in what she characterizes as a procurial framing of innovation based on concern with procurement of pluripotent cells and cell lines a pro cures mandate and a proliferation of bio curatorial practices Thompson describes what she calls the ethical choreography that allowed research to go on as the controversy continued The intense ethical attention led to some important discoveries as scientists attempted to invent around ethical roadblocks Some ethical concerns were highly legible but others were hard to raise in the dominant procurial framing that allowed government funding for the practice of stem cell research to proceed despite controversy Thompson broadens the debate to include such related topics as animal and human research subjecthood and altruism Looking at fifteen years of stem cell debate and discoveries Thompson argues that good science and good ethics are mutually reinforcing rather than antithetical in contemporary biomedicine

**When Species Meet** Donna J. Haraway, 2013-11-30 In 2006 about 69 million U S households had pets giving homes to around 73.9 million dogs 90.5 million cats and 16.6 million birds and spending more than 38 billion dollars on companion animals As never before in history our pets are truly members of the family But the notion of companion species knotted from human beings animals and other organisms landscapes and technologies includes much more than companion animals In *When Species Meet* Donna J Haraway digs into this larger phenomenon to contemplate the interactions of humans with many kinds of critters especially with those called domestic At the heart of the book are her experiences in agility training with her dogs Cayenne and Roland but Haraway's vision here also encompasses wolves chickens cats baboons sheep microorganisms and whales wearing video cameras From designer pets to lab animals to trained therapy dogs she deftly explores philosophical cultural and biological aspects of animal human encounters In this deeply personal yet intellectually groundbreaking work Haraway develops the idea of companion species those who meet and break bread together but not without some indigestion A great deal is at stake in such meetings she writes and outcomes are not guaranteed There is no assured happy or unhappy ending socially ecologically or scientifically There is only the chance for getting on together with some grace Ultimately she finds that respect curiosity and knowledge spring from animal human associations and work powerfully against ideas about human exceptionalism

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