

SUFFERING

for science

REASON AND SACRIFICE IN MODERN AMERICA

REBECCA M. HERZIG

Suffering For Science Reason Sacrifice

Rebecca Herzig



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

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 *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 *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 *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 **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 *Osiris, Volume 39* Jaipreet Virdi,Mara Mills,Sarah F.

Rose,2024-09-02 Presents a powerful new vision of the history of science through the lens of disability studies Disability has been a central if unacknowledged force in the history of science as in the scientific disciplines Across historical epistemology and laboratory research disability has been good to think with an object of investigation made to yield generalizable truths Yet disability is rarely imagined to be the source of expertise especially the kind of expertise that produces rational neutral universal scientific knowledge This volume of *Osiris* places disability history and the history of science in conversation to foreground disability epistemologies disabled scientists and disability sciencing engagement with scientific tools and processes Looking beyond paradigms of medicalization and industrialization the volume authors also examine knowledge production about disability from the ancient world to the present in fields ranging from mathematics to the social sciences resulting in groundbreaking histories of taken for granted terms such as impairment infirmity epidemics and sh gai Some contributors trace the disabling impacts of scientific theories and practices in the contexts of war factory labor insurance and colonialism others excavate racial and settler ableism in the history of scientific facts protocols and collections still others

query the boundaries between scientific lay and disability expertise Contending that disability alters method authors bring new sources and interpretation techniques to the history of science overturn familiar narratives apply disability analyses to established terms and archives and discuss accessibility issues for disabled historians The resulting volume announces a disability history of science **The Origins of Bioethics** John A. Lynch, 2019-09-01 The Origins of Bioethics argues that what we remember from the history of medicine and how we remember it are consequential for the identities of doctors researchers and patients in the present day Remembering when medicine went wrong calls people to account for the injustices inflicted on vulnerable communities across the twentieth century in the name of medicine but the very groups empowered to create memorials to these events often have a vested interest in minimizing their culpability for them Sometimes these groups bury this past and forget events when medical research harmed those it was supposed to help The call to bioethical memory then conflicts with a desire for minimal remembrance on the part of institutions and governments The Origins of Bioethics charts this tension between bioethical memory and minimal remembrance across three cases the Tuskegee Syphilis Study the Willowbrook Hepatitis Study and the Cincinnati Whole Body Radiation Study that highlight the shift from robust bioethical memory to minimal remembrance to forgetting **Life on Display** Karen A. Rader, Victoria E.M. Cain, 2014-10-03 Rich with archival detail and compelling characters Life on Display uses the history of biological exhibitions to analyze museums shifting roles in twentieth century American science and society Karen A Rader and Victoria E M Cain chronicle profound changes in these exhibitions and the institutions that housed them between 1910 and 1990 ultimately offering new perspectives on the history of museums science and science education Rader and Cain explain why science and natural history museums began to welcome new audiences between the 1900s and the 1920s and chronicle the turmoil that resulted from the introduction of new kinds of biological displays They describe how these displays of life changed dramatically once again in the 1930s and 1940s as museums negotiated changing often conflicting interests of scientists educators and visitors The authors then reveal how museum staffs facing intense public and scientific scrutiny experimented with wildly different definitions of life science and life science education from the 1950s through the 1980s The book concludes with a discussion of the influence that corporate sponsorship and blockbuster economics wielded over science and natural history museums in the century's last decades A vivid entertaining study of the ways science and natural history museums shaped and were shaped by understandings of science and public education in the twentieth century United States Life on Display will appeal to historians sociologists and ethnographers of American science and culture as well as museum practitioners and general readers **Corpses in Belgian Anatomy, 1860-1914** Tinne Claes, 2019-11-20 This book tells the story of the thousands of corpses that ended up in the hands of anatomists in the late nineteenth and early twentieth centuries Composed as a travel story from the point of view of the cadaver this study offers a full blown cultural history of death and dissection with insights that easily go beyond the history of anatomy and the specific case of Belgium From

acquisition to disposal the trajectories of the corpse changed under the influence of social policies ideological tensions religious sensitivities cultures of death and broader changes in the field of medical ethics Anatomists increasingly had to reconcile their ways with the diverse meanings that the dead body held To a certain extent as this book argues they started to treat the corpse as subject rather than object Interweaving broad historical evolutions with detailed case studies this book offers unique insights into a field dominated by Anglo American perspectives evaluating the similarities and differences within other European contexts

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

Mediating the Real Pascal Sigg, 2024-05-06 As a literary genre the nonfictional reportage has particular implications for the role of the writer Pascal Sigg shows how six U S American writers including David Foster Wallace George Saunders and Rachel Kaadzi Ghansah reflect on themselves as human media in their reportage The writers assert themselves in a postmodern way by scrutinizing their own mediation As it also traces and develops the theorization of reportage as genre along the reporters early concerns with technical media this pioneering contribution to literary journalism studies paves a way for a new materialist approach in the under researched field

Science, Democracy, and the American University Andrew Jewett, 2014-05-01 This book reinterprets the rise of the natural and social sciences as sources of political authority in modern America Andrew Jewett demonstrates the remarkable persistence of a belief that the scientific enterprise carried with it a set of ethical values capable of grounding a democratic culture a political function widely assigned to religion The book traces the shifting formulations of this belief from the creation of the research universities in the Civil War era to the early Cold War years It examines hundreds of leading scholars who viewed science not merely as a source of technical knowledge but also as a resource for fostering cultural change This vision generated surprisingly nuanced portraits of science in the years before the military industrial complex and has much to teach us today about the relationship between science and democracy

Science, Technology, and Virtues Emanuele Ratti, Thomas A. Stapleford, 2021-07-23 Science Technology and Virtues gathers a diversity of perspectives to show how concepts of virtue can help us better understand construct and use the products of modern science and technology

Blood Gil Anidjar, 2014-04-29 Blood according to Gil Anidjar maps the singular history of Christianity As a category for historical

analysis blood can be seen through its literal and metaphorical uses as determining sometimes even defining Western culture politics and social practices and their wide ranging incarnations in nationalism capitalism and law Engaging with a variety of sources Anidjar explores the presence and the absence the making and unmaking of blood in philosophy and medicine law and literature and economic and political thought from ancient Greece to medieval Spain from the Bible to Shakespeare and Melville The prevalence of blood in the social juridical and political organization of the modern West signals that we do not live in a secular age into which religion could return Flowing across multiple boundaries infusing them with violent precepts that we must address blood undoes the presumed oppositions between religion and politics economy and theology and kinship and race It demonstrates that what we think of as modern is in fact imbued with Christianity Christianity Blood fiercely argues must be reconsidered beyond the boundaries of religion alone

Inevitably Toxic Brinda Sarathy, Janet Brodie, Vivien Hamilton, 2018-10-30 Not a day goes by that humans aren't exposed to toxins in our environment be it at home in the car or workplace But what about those toxic places and items that aren't marked Why are we warned about some toxic spaces substances and not others The essays in *Inevitably Toxic* consider the exposure of bodies in the United States Canada and Japan to radiation industrial waste and pesticides Research shows that appeals to uncertainty have led to social inaction even when evidence e.g. the link between carbon emissions and global warming stares us in the face In some cases influential scientists engineers and doctors have deliberately manufactured doubt and uncertainty but as the essays in this collection show there is often no deliberate deception We tend to think that if we can't see contamination and experts deem it safe then we are okay Yet having knowledge about the uncertainty behind expert claims can awaken us from a false sense of security and alert us to decisions and practices that may in fact cause harm In the epilogue Hamilton and Sarathy interview Peter Galison a prominent historian of science whose recent work explores the complex challenge of long term nuclear waste storage

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 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 **Gender, Embodiment, and the History of the Scholarly Persona** Kirsti Niskanen, Michael J. Barany, 2021-02-19 This book investigates the historical construction of scholarly personae by integrating a spectrum of recent perspectives from the history and cultural studies of knowledge and institutions Focusing on gender and embodiment the contributors analyse the situated performance of scholarly identity and its social and intellectual contexts and consequences Disciplinary cultures scholarly practices personal habits and a range of social economic and political circumstances shape the people and formations of modern scholarship Featuring a foreword by Ludmilla Jordanova *Gender Embodiment and the History of the Scholarly Persona* Incarnations and Contestations is of interest to historians sociologists media and culture scholars and all those with a stake in the personal dimensions of scholarship An international group of scholars present original examinations of travel globalisation exchange training evaluation self representation institution building norm setting virtue defining myth making and other gendered and embodied modes and mechanisms of scholarly persona work These accounts nuance and challenge existing understandings of the relationship between knowledge and identity

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