

Sexism And Science

Women Changing Science -

Mary Morse 2008-01-07

An eye-opening and honest look at the enduring sexism within the scientific community and what women are doing to change it.

Warming the Climate for Women in Academic Science -

Angela B. Ginorio 1995

This paper contends that the climate or culture of academic science has been chilly to women, ethnic minorities, and people with disabilities. The paper reviews research findings in three areas: (1) numbers of women participating in science education and careers; (2) evidence of precollege patterns for girls and women in science and math; and (3) studies on how women are faring in college as undergraduate and graduate students and as faculty members. The paper outlines the following

concerns, among others: small but consistent messages and behaviors reinforce sexist expectations and decrease undergraduate women's overall sense of self-competence (although not their academic performance) in math; Latina faculty members in California reported that both racism and sexism affected them significantly; and many women scientists feel isolated or alienated from the ethos of competition that admits no other commitment beyond their scientific work. The paper reviews some of the major institutional responses to these concerns; provides recommendations for action that can be taken by undergraduate and graduate students, faculty members, administrators, and professional organizations; and provides a resource section with a 24-item bibliography

and a list of 8 organizations and 8 electronic resources. (Contains 149 reference notes.) (JDD)

Why Science Is Sexist - Nicola Gaston 2015-11-09
Science changes the world because the creation of knowledge opens up new pathways for us to explore new ways of doing things, and new questions to ask. My optimism lies in the fact that I think that the answer to why science is sexist does all of these things. In this eye-opening BWB Text, Nicola Gaston, President of the New Zealand Association of Scientists, reveals the ways in which the discipline of science is sexist. From the under-representation of women to the argument that mental capabilities are gendered, Gaston demonstrates the extent of our unconscious bias against female scientists, and warns of its damaging consequences for science and for society. In asking what can be done to combat this bias, she calls for us to rethink not just our attitudes towards gender, but also towards

scientific knowledge and inquiry.

Science and Gender - Ruth Bleier 1984

Bleier (neurophysiology, U. of Wisconsin-Madison) dissects the theme of women's biological inferiority contending that science has been engaged in elaborate mythologizing to explain the subordinate position of women in Western civilizations since Aristotle. Exploring the scientific and ideological bases of contemporary theories in gender differences, the author critically examines studies in sociobiology, sex differences in brain structure and cognitive function, human cultural evolution, anthropology, and sexuality. Annotation copyrighted by Book News, Inc., Portland, OR

Women in Scientific Careers - Organisation for Economic Co-operation and Development 2006-12

This publication presents the proceedings of a recent international workshop to assess the causes behind the low participation of women in

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scientific careers, and to identify good practice policies to attract, recruit and retain women in science.

Im/partial Science - Bonnie Spanier 1995

Best known today for her nature writing and southwestern cultural studies, Mary Hunter Austin (1868-1934) has been increasingly recognized for her outspoken essays on feminist themes. This volume collects her nonfiction journalism, with each essay prefaced by brief introductory remarks by the editor. Annotation copyright by Book News, Inc., Portland, OR

Connecting Girls and Science - Elaine V. Howes 2002

Shows the positive results that can occur in secondary science classes when student's curiosity about science is brought to the centre of the curriculum. In particular, it demonstrates how girls can become more interested when such topics as childbirth and sexism in science are included.

The Science Question in Feminism - Sandra G. Harding

1986

Can science, steeped in Western, masculine, bourgeois endeavors, nevertheless be used for emancipatory ends? In this major contribution to the debate over the role gender plays in the scientific enterprise, Sandra Harding pursues that question, challenging the intellectual and social foundations of scientific thought. Harding provides the first comprehensive and critical survey of the feminist science critiques, and examines inquiries into the androcentricism that has endured since the birth of modern science. Harding critiques three epistemological approaches: feminist empiricism, which identifies only bad science as the problem; the feminist standpoint, which holds that women's social experience provides a unique starting point for discovering masculine bias in science; and feminist postmodernism, which disputes the most basic scientific assumptions. She points out the tensions among these

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stances and the inadequate concepts that inform their analyses, yet maintains that the critical discourse they foster is vital to the quest for a science informed by emancipatory morals and politics.

Gender, Science and

Innovation - Helen Lawton Smith 2020-01-31

Gender, Science and Innovation explores the contemporary challenges facing women scientists in academia and develops effective strategies to improve gender equality. Addressing an important gap in current knowledge, chapters offer a range of international perspectives from diverse contexts, countries and institutional settings. This book is an essential contribution to the literature for academics, researchers and policy makers concerned with improving gender equality in academia and seeking to learn from the experiences of others.

Is Science Sexist? - M. Ruse 2012-12-06

Philosophy of biology has a long and honourable history.

Indeed, like most of the great intellectual achievements of the Western World, it goes back to the Greeks. However, until recently in this century, it was sadly neglected. With a few noteworthy exceptions, someone wishing to delve into the subject had to choose between extremes of insipid vitalism on the one hand, and sterile formalizations of the most elementary biological principles on the other. Whilst philosophy of physics pushed confidently ahead, the philosophy of biology languished. In the past decade, however, things have changed dramatically. A number of energetic and thoughtful young philosophers have made real efforts to master the outlines and details of contemporary biology. They have shown that many stimulating problems emerge when analytic skills are turned towards the life-sciences, particularly if one does not feel constrained to stay only with theoretical parts of biology, but can range over to more medical parts of the spectrum. At the same time,

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biology itself has had one of the most fruitful yet turbulent periods in its whole history, and more and more biologists have grown to see that many of the problems they face take them beyond the narrow confines of empirical science: a broader perspective is needed.

Feminism and Science -

Nancy Tuana 1989-11-22

"... thoughtful critiques of the myriad issues between women and science." -- Belles Lettres

"Outstanding collection of essays that raise the fundamental questions of gender in what we have been taught are objective sciences."

-- WATERwheel "... all of the articles are well written, informative, and convincing.

Admirable editorial work makes this anthology unusually helpful for scholars and students... Highly

recommended... " -- Choice
Questioning the objectivity of scientific inquiry, this volume addresses the scope of gender bias in science. The

contributors examine the ways in which science is affected by

and reinforces sexist biases.

The essays reveal science to be a cultural institution, structured by the political, social, and economic values of the culture within which it is practiced.

Sexual Visions - L. J. Jordanova
1993

Demonstrates that gender as a metaphor has had an exceptionally vigorous life in the history of biological and medical sciences.

Female-friendly Science -

Sue Vilhauer Rosser 1990

The purpose of this book is to explore the potential of feminist pedagogical methods and theories of women's studies to attract women and people of color to science

Inferior - Angela Saini

2018-03-08

Taking us on a journey through science, the book challenges our preconceptions about men and women, investigating the ferocious gender wars that burn in biology, psychology and anthropology. The author revisits the landmark experiments that have informed our understanding,

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lays bare the problem of bias in research, and speaks to the scientists finally exploring the truth about the female sex. The result is an account of women's minds, bodies and evolutionary history. Interrogating what these revelations mean for us as individuals and as a society, the book unveils a fresh view of science in which women are included, rather than excluded

A Lab of One's Own - Rita Colwell 2021-08-17

Colwell, the first female director of the National Science Foundation, discusses the entrenched sexism in science, the elaborate detours women have taken to bypass the problem, and how to fix the system. When she first applied for a graduate fellowship in bacteriology, she was told, "We don't waste fellowships on women." Over her six decades in science, as she encounters other women pushing back against the status quo, Colwell also witnessed the advances that could be made when men and women worked together. Here she offers an astute diagnosis of how to fix the

problem of sexism in science-- and a celebration of the women pushing back. --

Sexism & Science - Evelyn Reed 1978

Are human beings innately aggressive? Does biology condemn women to remain the "second sex?" Taking up such biases cloaked as the findings of science, Reed explains that the disciplines closest to human life--anthropology, biology, and sociology--are permeated with rationalizations for the oppression of women and the maintenance of the established capitalist order. "A stimulating corrective to establishment academic doctrine and popular scientific vagaries.

Recommended for scientific, women's, as well as nonspecialist collections." - Library Journal "An enjoyable book Reed shows, clearly and beautifully, how the mind of the scientist--usually male, white and middle-class--filters and processes the so-called facts [I]ntensely readable for non-specialists, but also stimulating for those who are

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not unfamiliar with the subject ... This is the sort of book that one should own, one should read, and one should pass along."-Status of Women News "Provides a useful antidote to obscurantist nonsense perpetrated by Ardrey, Morris and ... Lionel Tiger."-Emergency Librarian "Dissects [Claude Levi-Strauss's] theses with precision and elegance."-News from Neasden Glossary, bibliography, index.
Sexism & Science - Evelyn Reed 1978

The Age of Scientific Sexism

- Mari Ruti 2015-07-30

We trust our sciences to operate on a plane of objectivity and fact in a world of subjectivity and cultural ideologies, but should we? In *The Age of Scientific Sexism*, philosopher Mari Ruti offers a sharp critique of the gender profiling tendencies of evolutionary psychology, untangling the insidious threads of various gender mythologies that have infiltrated-or perhaps even define-this faux-science. Selling

stereotypes as scientific facts, evolutionary psychology continually brings retrograde models of sexuality into mainstream culture: it insists that men and women live in two completely different psychological, emotional, and sexual universes, and that they will consequently always be locked in a vicious battle of the sexes. Among these regressive arguments is the assumption that men's sexuality is urgent and indiscriminate, whereas women are "naturally" reluctant, reticent, and choosy-a concept constructed to justify masculine behavior, such as cheating, that women have historically found painful. On its most basic level, *The Age of Scientific Sexism* explores our impulse to "explain" romantic behavior through science: in the increasingly egalitarian gender landscape of our society, why are we so eager to embrace the rampant gender profiling that evolutionary psychology promotes? Perhaps these simplistic gender caricatures owe their popularity, at least in part, to

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our overly pragmatic society pragmatic society, which encourages us to search for easy answers to complex questions.

The Cost of Sexism -

Professor Linda Scott
2022-03-01

A GUARDIAN SCIENCE BOOK OF THE YEAR SHORTLISTED FOR THE 2020 ROYAL SOCIETY INSIGHT INVESTMENT SCIENCE BOOK PRIZE LONGLISTED FOR THE 2020 FINANCIAL TIMES AND MCKINSEY BUSINESS BOOK OF THE YEAR An urgent analysis of global gender inequality and a passionately argued case for change by a pioneer in the movement for women's economic empowerment. 'Passionate and timely . . . in a world where so many of us stick to criticising the status quo, it's heartening to read someone willing to offer viable solutions.' CAROLINE CRIADO-PEREZ, OBSERVER (author of Invisible Women) 'A compelling and actionable case for unleashing women's economic power.' MELINDA GATE The

Cost of Sexism is an urgent analysis of global gender inequality and a fervently argued case for change by a pioneer in the movement for women's economic empowerment. Drawing on decades of statistical evidence, original research and global on-the-ground experience, Linda Scott outlines a revolutionary, actionable plan to remove economic barriers against women, and in the process combat humankind's most pressing problems. 'One of the most objective, data-led, rigorously scientific and morally persuasive books of the year.' GUARDIAN (Books of the Year) 'Shocking.' ADAM RUTHERFORD, BBC INSIDE SCIENCE 'Scholarly and impassioned.' FINANCIAL TIMES 'Essential.' TIMES LITERARY SUPPLEMENT 'Powerful.' NEW YORK TIMES BOOK REVIEW *** The Cost of Sexism was previously published in 2020 in hardback under the title The Double X Economy. **Inferior** - Angela Saini
2017-05-30

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What science has gotten so shamefully wrong about women, and the fight, by both female and male scientists, to rewrite what we thought we knew For hundreds of years it was common sense: women were the inferior sex. Their bodies were weaker, their minds feebler, their role subservient. No less a scientist than Charles Darwin asserted that women were at a lower stage of evolution, and for decades, scientists—most of them male, of course—claimed to find evidence to support this. Whether looking at intelligence or emotion, cognition or behavior, science has continued to tell us that men and women are fundamentally different. Biologists claim that women are better suited to raising families or are, more gently, uniquely empathetic. Men, on the other hand, continue to be described as excelling at tasks that require logic, spatial reasoning, and motor skills. But a huge wave of research is now revealing an alternative version of what we thought we

knew. The new woman revealed by this scientific data is as strong, strategic, and smart as anyone else. In *Inferior*, acclaimed science writer Angela Saini weaves together a fascinating—and sorely necessary—new science of women. As Saini takes readers on a journey to uncover science’s failure to understand women, she finds that we’re still living with the legacy of an establishment that’s just beginning to recover from centuries of entrenched exclusion and prejudice. Sexist assumptions are stubbornly persistent: even in recent years, researchers have insisted that women are choosy and monogamous while men are naturally promiscuous, or that the way men’s and women’s brains are wired confirms long-discredited gender stereotypes. As Saini reveals, however, groundbreaking research is finally rediscovering women’s bodies and minds. *Inferior* investigates the gender wars in biology, psychology, and anthropology, and delves into

cutting-edge scientific studies
to uncover a fascinating new

portrait of women's brains,
bodies, and role in human
evolution.

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