Ethical Issues in Physics
Bibliography assembled by
Marshall Thomsen
Eastern Michigan University
February 2012
Under-represented Groups

UND
Physics Today – November 2011
Volume 64, Issue 11, p. 49
Problems with *problem sets*
James Trefil and Sarah Swartz
The authors look at textbook problems in physics that seem to rely on prior knowledge, and argue that this may lead to a different experience with the problems for male and female students.

UND
Physics Today – March 2011
Volume 64, Issue 3, p. 30
For underrepresented minorities, bridge programs ease transition to PhD studies
Jermey N. A. Matthews
The article reports on a partnership between two universities that has resulted in a significant increase in the number of underrepresented minorities pursuing a Ph.D. in physics.

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Physics Today—September 2010
Volume 63, Issue 9, pp. 55-56
The Science on Women and Science
Christina Hoff Sommers; Amy L. R. Bug, Reviewer
Book Review

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Physics Today—June 2010
Volume 63, Issue 6, pp. 26
US minority faculty numbers still low
Toni Feder
Brief discussion of results from the 2008 AIP survey.

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Physics Today—June 2010
Volume 63, Issue 6, pp. 47-48
Undergraduate physics programs at HBCUs: Can we stop the losses?
Quinton L. Williams
An opinion piece discussing the role of historically black universities in providing minority graduate students for physics Ph.D. programs and the importance of promoting diversity in the field of physics.

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APS Forum on Physics and Society Newsletter
Volume 38, Number 3 July 2009
Women in the Sciences
Meg Urry
The author reviews studies that indicate there is a real gender bias in our culture related to issues of relevance to women in science. She suggests several approaches to deal with this bias as a way of increasing the number of women in physics.

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Science and Engineering Ethics
Volume 14, Number 3 / September, 2008, pp. 345-356
Gender Issues in US Science and Technology Policy: Equality of What?
Susan E. Cozzens
The author argues that while some progress has been made on gender equity issues, there are still significant areas where men and women are not being treated equally in science.

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Science and Engineering Ethics
Volume 14, Number 2 / June, 2008, pp. 279-290
On Enrolling More Female Students in Science and Engineering
Mathieu Bouville
The author argues that efforts to recruit more women into engineering and the physical sciences are based on incorrect assumptions. We should not recruit women but rather let them enter if that is where their interest lies.

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Science and Engineering Ethics
Volume 14, Number 1 / March, 2008, pp. 51-63
Is Diversity Good? Six Possible Conceptions of Diversity and Six Possible Answers
Mathieu Bouville
The author points out that a discussion of diversity should begin with a common understanding of what is meant by "diversity," and reaching that understanding is not as trivial as it might seem. The discussion is then put in the context of gender equity in engineering.

Science and Engineering Ethics
Volume 15, Number 1 / March, 2009, pp. 7-10
Underrepresentation in the Real World
Daryl E. Chubin

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Physics Today -- November 2007
Volume 60, Issue 11, pp. 54-55
A Real-World Plan to Increase Diversity in the Geosciences
Quinton L. Williams, Vernon Morris, and Tanya Furman
Lays out a 20 year plan to address this issue.

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Physics Today -- September 2007
Volume 60, Issue 9, pp. 35-37
Grants to Women Come Up Short in Pilot Study
Toni Feder
Brief report on an APS pilot study of funding in nuclear theory.

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Workshop Aims to Double Number of Women in Physics
Toni Feder
A brief report on the launching of this initiative.

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Volume 60, Issue 6, pp. 65-66
Out of the Shadows: Contributions of Twentieth-Century Women to Physics
Nina Byers, Gary Williams, and Andrea K. Dobson, Reviewer
Book Review

APS Forum on Physics and Society Newsletter
Volume 36, Number 4 October 2007
Out of the Shadows: Contributions of Twentieth-Century Women to Physics, Edited by Nina Byers and Gary Williams
Reviewed by Marty Epstein

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Physics Today -- April 2007
Volume 60, Issue 4, pp. 64-68
Every Other Thursday: Stories and Strategies from Successful Women Scientists
Ellen Daniell and Catherine Fenselau, Reviewer
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Physics Today -- January 2007
Volume 60, Issue 1, pp. 32-34
Keeping Women in Physics is Aim of Conference for Undergrads
Toni Feder
Brief report on the Second Annual Conference for Undergraduate Women in Physics.

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Physics Today -- June 2006
Volume 59, Issue 6, pp. 44-47
Diversity in Physics
Shirley M. Malcom
The author points out that diversity in physics is a greater problem than in related fields (such as chemistry) and that the solution must begin with our approach to science education in the K-12 system.

Physics Today -- February 2007
Volume 60, Issue 2, pp. 81-83
Diverse Thoughts on Diversity in Physics
Ken Rideout, Nicholas C. Nicholas, Kristofer Gryte, and Shirley Malcom

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Volume 59, Issue 4, pp. 64-65
A Scientific Point of View
Evalyn Gates
The author argues that women are underrepresented in physics because the playing field, particularly with respect to recognition of potential and accomplishments, is not yet level.

Physics Today -- December 2006
Volume 59, Issue 12, pp. 10-13
Women in Physics: Why and Why Not?
Vincente Aboites, Jerry Smith, Wei Smith, E. O. LaCasce, Robert K. Adair, Joseph Spicatum, Kamyar Hazaveh, and Evalyn Gates

Physics Today -- September 2007
Volume 60, Issue 9, pp. 12-14
Weighing the Need to Accommodate Women in Physics
Eaton E. Lattman, Kelly Chipps, and Tevian Dray
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Volume 58, Issue 9, pp. 54-55
Einstein and Racism in America
Fred Jerome
The author argues that the racism Einstein talked of when he came to America has not completely vanished, and there are steps the physics community should be taking to address the issue.

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Volume 59, Issue 5, pp. 12-13
Racial Tracking, Fixing Details, Speaking Out
G. Stanley Brown, M. David Egan, Richard Camilli, and Fred Jerome

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Obliterating Myths About Minority Institutions
Philip J. Sakimoto and Jeffrey D. Rosendhal
Success in bringing more minorities into the field was achieved in this NASA-funded program by incorporating minority students and their mentors into the mainstream of research projects.

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Women Unite to Improve Physics Culture
Toni Feder
Brief report on the Second International Conference on Women in Physics.

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Why Women Leave Academic Physics
Toni Feder
Brief report on a survey of female physicists, though the sampling was not random.

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Women Gain Ground in Academia; Science Mentors Needed
Peter Cheung and Gary Stiles

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No Leaky Pipeline for Women in Physics, but Discrimination Persists
Toni Feder
Very brief report on a survey by the AIP.

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Volume 56, Issue 9, pp. 46-51
What Works for Women in Undergraduate Physics?
Barbara L. Whitten, Suzanne R. Foster, and Margaret L. Duncombe
The drop off in female representation in physics as one moves up the ranks from high school physics students to university faculty has been described as a leaky pipeline. This article focuses on the largest leak located in the early college years.

Physics Today -- March 2004
Volume 57, Issue 3, pp. 11-14
Gender Disparity in Physics: A Multifaceted Challenge
Chris Paulse, John McNabb, Rebecca Barthelmie, and Barbara L. Whitten

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Rosalind Franklin and the Double Helix
Lynne Osman Elkin
This article includes a discussion of Franklin's role in the discovery of the structure of DNA and argues that her work was not appropriately acknowledged by Watson and Crick.

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Volume 55, Issue 5, pp. 24-26
Women, and Some Men, Ask Why Women Don't Flock to Physics
Toni Feder
A report on the International Conference on Women in Physics including some statistical information.

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Sexism Still an Obstacle for Women Scientists
Dian Seidel, Kay Weston, and Haleh Kootval

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Priscilla Auchinclos
The author argues that change will require an honest discussion of the root causes of inequities in America.

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Ruth H. Howes, Caroline L. Herzenberg, and Benjamin C. Zulueta, Reviewer
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Volume 53, Issue 12, p. 12
Women Authors, Scientists Critiqued
Frieda A. Stahl and Benjamin C. Zulueta

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