

SUSAN ELIZABETH SWANBERG

Assistant Professor
School of Journalism
University of Arizona
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CURRENT POSITION

Assistant Professor, School of Journalism, University of Arizona

RESEARCH INTEREST

The role of science journalism in a post-truth society; spinning science: science journalism, propaganda, and the nuclear age; science misinformation and disinformation in the 19th, 20th and 21st centuries.

TEACHING AREAS

Reporting the news, media law, science journalism, environmental journalism.

EDUCATION

University of Arizona School of Journalism	M.A., Journalism - 2014 Professional Project: <i>Stung! Arizona's Bark Scorpion: Victims, Venom, and the Orphaning of an Antivenin</i> Advisor: Professor Carol Schwalbe
University of California, Davis	Ph.D., Genetics - 2005 Dissertation: <i>Telomere length regulation in an avian model</i> Kinsella Memorial Dissertation Prize Advisor: Dr. Mary Delany
California State University, Sacramento	M.S., Biological Sciences - 2000 Thesis: <i>The PKR-Binding Properties of Mouse Sine</i> Advisor: Dr. Ruth Ballard

EDUCATION (cont.)

University of Oregon School of Law	J.D., Law
University of Oregon	B.A., Psychology

ACADEMIC EXPERIENCE

Assistant Professor	School of Journalism - University of Arizona <ul style="list-style-type: none"> • Reporting the News (Jour 205) • International and U.S. Media Law (Jour 509) • Science Journalism (Jour 472/572) • Environmental Journalism (Jour 455/555) • Independent study (Jour 599) 	2015-present
Teaching Assistant	School of Journalism - University of Arizona <ul style="list-style-type: none"> • Science Journalism (Jour 472/572) 	Fall 2013
Graduate Assistant	Department of Molecular and Cellular Biology University of Arizona <ul style="list-style-type: none"> • Recombinant DNA Applications and Methods (MCB 473/573) 	Fall 2012
Postdoctoral Scholar	University of California, Davis Department of Animal Science Delany Laboratory <ul style="list-style-type: none"> • Research areas <ul style="list-style-type: none"> ○ Telomere biology ○ Avian genetics 	2009-2011
Postdoctoral Fellow	University of California, Davis M.I.N.D. Institute – School of Medicine <ul style="list-style-type: none"> • Autism Research Training Program • Research areas <ul style="list-style-type: none"> ○ Autism genetics and epigenetics ○ Human genetics and epigenetics ○ Mouse genetics and epigenetics • Grants: <ul style="list-style-type: none"> ○ 5T32MH073124-02 (trainee) ○ 1F32HD055143-01 • Teaching experience <ul style="list-style-type: none"> ○ Guest lectures in genetics and epigenetics (2005-2008) ○ Flow cytometry intensive short course: “Laser Scanning Cytometry: Methods and Applications,” (2007). 	2005-2008

Laboratory Management Institute	University of California, Davis	2006-2007
Doctoral Researcher	University of California, Davis Department of Animal Science Delany Laboratory	2000-2005
	<ul style="list-style-type: none"> • Research areas: <ul style="list-style-type: none"> ○ Telomere biology ○ Avian genetics • Grants, fellowships, honors, awards <ul style="list-style-type: none"> ○ Kinsella Memorial Dissertation Prize, UC Davis (2006) ○ American Foundation for Aging Research Fellowship (2005) ○ Reduced Fee Award: EMBO/58th Harden Conference-Telomeres and Genome Stability (2004) ○ Jastro Shields Research Award (2003) ○ Travel Award: 13th North American Colloquium on Animal Cytogenetics & Gene Mapping (2003) ○ Glenn/AFAR Scholarship for Research in the Biology of Aging (2003) ○ Austin Lyons Fellowship (2002-2003, 2003-2004, 2004-2005) ○ UC Davis and Humanities Graduate Research Award (2002) ○ Herbert Kraft Fellowship (2001-2002) ○ Hart/Cole/Goss Summer Research Fellowship (2001, 2005) ○ Phi Sigma Honor Society (2001) ○ UC Davis Departmental Fellowship Awards and Research Assistantship (2000-2001) ○ Sigma Xi Honor Society • Teaching experience <ul style="list-style-type: none"> ○ Avian Science 190/290 - (co-taught) ○ Animal Science 291 - (seminar) ○ Avian Science 190/290 - (co-taught) 	
Graduate Researcher	California State University, Sacramento	1998-2000
	<ul style="list-style-type: none"> • Research areas <ul style="list-style-type: none"> ○ Short Interspersed Elements (SINES) ○ Mouse genetics ○ Protein Kinase R (PKR) and mouse B2 RNA 	
TA - Systemic Physiology	California State University, Sacramento	1997

JOURNALISM EXPERIENCE

Executive Editor <i>SciView</i> A print magazine featuring the work Of UA science journalism students	2016
Freelance Journalist and Photojournalist <i>Green Valley News/Sahuarita Sun</i> Green Valley, Arizona	2014-2015
Wick Science Journalism Intern <i>Green Valley News/Sahuarita Sun</i> Green Valley, Arizona	2014
SciLogs Blogger <i>The Tenacious Telomere</i> In association with Nature.com: science stories with video and photography by the author. Archived at: https://web.archive.org/web/*/http://www.scilog.com/tenacious-telomere/ *	2014-2016
Advisor, Author, Photographer <i>SkyView</i> A print magazine featuring the work of UA journalism students	2014
Science Writing Mentor <i>Journal of Young Investigators</i> http://www.jyi.org	2014-2015
Creator and Editor <i>The Fourth Helix, the Science Site for Baby Boomers</i> http://www.thefourthhelix.com	2013-2015
Content Editor, Author, Photographer, Videographer <i>Scientific Tucsonan</i> An online magazine featuring the work of UA journalism students	2013
Journalism Mentor/Instructor Dow Jones Newspaper Fund Diversity in Journalism Workshop for High School Students at the University of Arizona	2012 – 2017

JOURNALISM EXPERIENCE (cont.)

Photojournalist Various print and online publications	2012-2015
Occasional Contributor <i>Arizona Daily Star</i> <i>Tucson Weekly</i> <i>The Range</i> <i>Scientific American Blog Network</i> <i>BizTucson</i> <i>Western National Parks Association website</i>	2012-2015
Author and Photographer <i>BioView</i> A print magazine featuring the work of UA journalism students	2012

RESEARCH

ResearchGate Statistics (As of 2.4.19)	RG Score: 20.35 <i>h</i> -Index: 10	citations: 818 reads: 1079
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SCIENTIFIC RESEARCH

Postdoctoral Scholar Delany Laboratory Animal Science Department University of California, Davis	2009-2011
Postdoctoral Fellow M.I.N.D. Institute Autism Research Training Program Interdisciplinary Training Program for Autism Researchers U. C. Davis-School of Medicine 5T32MH073124-02 & 1F32HD055143-01	2005-2008
Human Embryonic Stem Cell Course Buck Institute for Age Research Basic methodology required for the culture of human embryonic stem cells	2008

Doctoral Research 2000-2005
 Delany Laboratory
 University of California, Davis
 Department of Animal Science

Master's Research 1998-2000
 California State University, Sacramento
 Department of Biological Sciences

SCIENTIFIC RESEARCH AWARDS, FELLOWSHIPS, SCHOLARSHIPS, GRANTS AND HONORS

Extramural

- NIH Individual NRSA Fellowship - (1F32HD055143-01) (2007-2008)
- NIH Training Grant (trainee) - UC Davis MIND Institute - Interdisciplinary Training Program for Autism Researchers (2005-2007)
- American Foundation for Aging Research Fellowship (2005)
- Reduced Fee Award: EMBO/58th Harden Conference-Telomeres and Genome Stability (2004)
- Travel Award: 13th North American Colloquium on Animal Cytogenetics & Gene Mapping (2003)
- Glenn/AFAR Scholarship for Research in the Biology of Aging (2003)

Intramural

- Kinsella Memorial Dissertation Prize, UC Davis (2006)
- Hart/Cole/Goss Summer Research Fellowship (2005, 2001)
- Austin Lyons Fellowship (2002-2003, 2003-2004, 2004-2005)
- Herbert Kraft Fellowship (2001-2002)
- Jastro Shields Research Award (2003)
- UC Davis and Humanities Graduate Research Award (2002)
- Phi Sigma Honor Society (2001)
- UC Davis Departmental Fellowship Awards and Research Assistantship (2000-2001)
- Sigma Xi Honor Society

SCIENTIFIC PUBLICATIONS

Book Chapters

Swanberg, S.E., "Telomeres and telomerase in birds: Measuring health, environmental stress and longevity," In *Handbook of Models for Human Aging (2nd edition)* (editors: J.L. Ram & M. Conn). Academic Press/Elsevier (2018).
<https://www.elsevier.com/books/conns-handbook-of-models-for-human-aging/ram/978-0-12-811353-0>

Book Chapters (cont.)

Swanberg, S.E. and M.E. Delany, Telomeres in aging: Birds. In *Handbook of Models for Human Aging* (editor: M. Conn). Academic Press/Elsevier (2006).

Peer-reviewed scientific articles - published

Swanberg, S.E., T.H. O'Hare, E.A. Robb, C.M. Robinson, H. Chang, M.E. Delany, Telomere biology of the chicken: A model for aging research. *Experimental Gerontology*, (2010).

Maezawa, I., **S.E. Swanberg**, J.M. LaSalle, L-W Jin, Rett Syndrome astrocytes are abnormal and spread the MeCP2 deficiency state through gap junctions. *Journal of Neuroscience* 29(16): 5051-5061 (2009).

Swanberg, S.E. R.P. Najaragan, J.M. LaSalle, Reciprocal co-regulation of EGR2 and MECP2 is disrupted in Rett Syndrome and autism. *Human Molecular Genetics* 18(3): 525-534 (2009).

Nagarajan, R., K. Patzel, M. Martin, D. Yasui, **S. Swanberg**, I. Hertz-Picciotto, R. Hansen, J. Van de Water, I. Pessah, P. Jiang, W. Robinson, J. LaSalle, *MECP2* promoter methylation and X chromosome inactivation in autism. *Autism Research* 1(3): 169-178 (2008).

van de Lavoie, M-C., C. Mather-Love, P. Leighton, J.H. Diamond, B.S. Heyer, R. Roberts, L. Zhu, P. Winters-Digiaccio, A. Kerchner, T. Gessaro, **S. Swanberg**, M.E. Delany, R. J. Etches, Germline Transmission of genetically modified primordial germ cells. *Nature* 441(7094): 766-769 (2006).

van de Lavoie, M-C., C. Mather-Love, P. Leighton, J.H. Diamond, B.S. Heyer, R. Roberts, L. Zhu, P. Winters-Digiaccio, A. Kerchner, T. Gessaro, **S. Swanberg**, M.E. Delany, R. J. Etches, High Grade Transgenic somatic chimeras from chicken embryonic stem cells. *Mechanisms of Development* 123: 31-41 (2006).

Swanberg, S.E. and M.E. Delany, Differential expression of genes associated with telomere length homeostasis and oncogenesis in an avian model. *Mechanisms of Ageing and Development* 126: 1060-1070 (2005).

Swanberg, S.E. and M.E. Delany, Telomerase activity and differential expression of telomerase genes and c-myc in chicken cells *in vitro*. *Developmental Dynamics* 231: 14-21 (2004).

Swanberg, S.E., and M.E. Delany. Dynamics of telomere erosion in transformed and non-transformed avian cells *in vitro*. *Cytogenetic and Genome Research* 102(1-4): 318-325 (2003). Reprinted in *Animal Genomics*, B. Chowdhary (Ed), Basel, Switzerland: Karger Publishers, 2004.

Peer reviewed scientific articles - published (cont.)

Delany, M.E., L.M. Daniels, **S.E. Swanberg**, and H.A. Taylor. Telomeres in the chicken: genome stability and chromosome ends. *Poultry Science* 6:917-926 (2003).

Scientific Abstracts and Presentations

Swanberg, S.E. Transcription of TERRA from avian telomeres. *Animal Science Department Seminar*, University of California, Davis (2011).

Swanberg, S.E. T.H. O'Hare, M.E. Delany, Transcription of TERRA from avian telomeres. *Abstract/ Poster presented at the Cold Spring Harbor Laboratory meeting on Telomeres and Telomerase* (2011).

Swanberg, S.E., R.P. Nagarajan, D. Yasui, S. Peddada, J.M. LaSalle, Reciprocal co-regulation of *EGR2* and *MECP2* is disrupted in Rett Syndrome and autism. *Platform talk at the ASHG Annual Meeting* (2008).

Maezawa, I., **S.E. Swanberg**, J.M. LaSalle, L-W Jin, Rett Syndrome astrocytes are abnormal and spread the MeCP2 deficiency state through gap junctions. *Abstract submitted to the Annual Meeting of the American Society for Neurochemistry (late-breaking abstracts)* (2008).

Swanberg, S.E., Raman P. Nagarajan, J.M. LaSalle, Early Growth Response Gene 2 (*EGR2*) is dysregulated in autism and Rett Syndrome brain. *Abstract submitted to the Society for Neuroscience (SFN)* (2007).

Swanberg, S.E., J.M. LaSalle, Co-regulated expression of Early Growth Response Gene 2 (*EGR2*) and *MECP2*. *Abstract/Poster--International Meeting for Autism Research (IMFAR)* (2007).

Swanberg, S.E., J.M. LaSalle, Regulation of Early Growth Genes *EGR1* and *EGR2* by *MeCP2*. *Abstract/Poster presented at the 8th Annual Rett Syndrome Symposium* (2006).

Swanberg, S.E., *MeCP2* and brain development. *Oral presentation at the U.C. Davis M.I.N.D. Institute Weekly Research Meeting* (2006).

Swanberg, S.E., J.M. LaSalle, Regulation of Early Growth Response Gene 2 (*EGR2*) by *MeCP2*. *Abstract/Poster presented at the International Meeting for Autism Research (IMFAR)* (2006).

Swanberg, S.E., Telomere length regulation in the domestic chicken. *Oral presentation at the University of California Davis Animal Science Department Spring Seminar Series* (2005).

Scientific Abstracts and Presentations (cont.)

Swanberg, S.E., Telomerase as a marker for chicken embryonic stem cells. Oral presentation at the *Stem Cell Journal Club-University of California, Davis* (2005).

Swanberg, S.E., M.E. Delany. Relative expression of genes implicated in telomere length regulation by quantitative Taqman® real-time PCR in avian cells. Abstract and poster presented at the *57th Annual Scientific Meeting of the Gerontological Society of America* (2004).

Swanberg, S.E., M.E. Delany. Expression of telomere binding protein mRNA in transformed and non-transformed avian cells *in vitro*. Telomeres and Genome Stability. Abstract and poster presented at the *EMBO Workshop/58th Harden Conference* (2004).

Swanberg, S.E., M.E. Delany. Avian Telomere Biology: A Dynamic Endgame. Poster/Oral presentation at the *13th North American Colloquium on Animal Cytogenetics & Gene Mapping* (2003).

Swanberg S.E. Telomerase profiles in transformed and non-transformed avian cell lines. Oral presentation at the *Poultry Workshop: Plant, Animal and Microbe Genomes X Conference*. San Diego (2002).

Swanberg, S.E., H.D. Hunt, W.S. Payne, J.B. Dodgson and M.E. Delany. The characterization and comparison of telomerase activity in transformed and non-transformed chicken cell lines. Poster presented at the *Plant, Animal and Microbe Genomes X Conference*. San Diego (2002).

Other peer-reviewed articles

Swanberg, S.E., T.H. O'Hare, M.E. Delany, Telomere Maintenance [*Gallus gallus*] in the Reactome - a curated knowledgebase of biological pathways.
http://gallus.reactome.org/cgi-bin/eventbrowser?DB=test_gallus_reactome_release_2_myisam&ID=418124&ZOOM=2 (2010).

JOURNALISM RESEARCH

Journalism Research Awards, Fellowships, Scholarships, Grants, and Honors

- Rising Scholar Award - American Journalism Historians Association (\$2,000 - 2018).
- Junior Faculty Research Leave (2018)
- Udall Fellow: Udall Center for Studies in Public Policy, University of Arizona (2018)
- "With Conviction: Reporting on Science in the Courtroom," (\$13,000 NASW grant - 2015).
- Best Data Visualization Project, "No lawyer, No Voice" (with Astrid Galvan, Kate Gunby, Jeannine Rely, Celeste Bustamante-Gonzalez, Lucio Villa, and Brian White). Institute for Justice & Journalism Migrahack (2015)
- Outstanding Graduate Student, University of Arizona School of Journalism (2013)
- Fourth Place, Equine Ideal Photography Contest, Amateur Division, wild horses (2013)
- Honorable Mention - AEJMC Student Magazine Contest - First Person Category (2012)
- Steve Emerine Scholarship (2012)
- Bernice Cosulich Scholarship (2012)

JOURNALISM PUBLICATIONS

Books in preparation

Swanberg, S.E. *Spinning Science: Science Journalism's Role at the Interface of Science and Public Policy During the Birth of the Atomic Age. Manuscript in preparation.*

Journal Articles – published, in press, in revision or in preparation

Swanberg, S.E. "Wounded in Mind: Science Service Writer, Marjorie Van de Water's, campaign for Humane Treatment of World War II Soldiers – Science Journalism or Military PR?" *Media History* (in review).

Swanberg, S.E. "The Way of the Rain: A Comparative History of 'Rain Follows the Plough' Messaging During Settlement of the Great Plains and South Australia," *International Review of Environmental History* (in revision).

Swanberg, S.E. "Psychological Armor: *The Science News-Letter* Warns Against Propaganda (1926-1965)," *Journalism Studies* (2018).

Swanberg, S.E. "Dire predictions: How public health advocacy influenced news coverage of the 2014-2015 Ebola epidemic," in revision - *Journal of Risk Research*.

Swanberg, S.E. "'Rain Follows the Plow': Climate Myths and Memes About the Great Plains of the United States and the Arid Lands of South Australia," in preparation.

Contributions to edited, peer-reviewed collections

Swanberg, S.E. "Borrowed Chronicles: New York Times Science Journalist, William L. 'Atomic Bill' Laurence and the Reports of a Hiroshima Survivor," in final review prior to publication in the Hanford History Project essay collection *Legacies of the Manhattan Project at 75 Years*. Expected date of publication – 2019.

Published Datasets

Swanberg, S.E., Psychological Armor: Science Service Warns Against Propaganda in The Science News-Letter (1926-1965), DOI 10.17632/z4jc73tsrd.1 <https://data.mendeley.com/datasets/z4jc73tsrd/1> (2018).

Conference Papers

Swanberg, S.E. "Wounded in Mind: Marjorie Van de Water of the Science Service and her Campaign for Humane Treatment of Battle-Wearied World War II Soldiers," presented at the *History of Science Society* Annual Meeting in Seattle, Washington on November 2, 2018. <https://tinyurl.com/yajeg6us>

Swanberg, S.E. "Farming Outside the Lines: Rain Follows the Plow in 21st Century Art and Popular Culture," Presented at the *Society for Social Studies of Science* Annual Conference at the Sydney International Convention Center in Sydney, Australia, August 31, 2018. (Note: not the same paper presented at the SWPACA conference in Albuquerque, New Mexico on February 10, 2018).

Swanberg, S.E. "Psychological Armor: The Science Service Warns Against the Dangers of Propaganda in its Science News-Letter (1929-1965)," Presented at the *Joint Journalism and Communication History Conference (JJCHC)* at New York University on March 11, 2018.

Swanberg, S.E. "Rain Follows the Plow: A Debunked Nineteenth Century Theory of Climatology Still Reverberates in Popular Culture," Presented at the *Southwest Popular/American Culture Association 39th Annual Conference* in Albuquerque, New Mexico on February 10, 2018.

Swanberg, S.E. "Borrowed Chronicles: *New York Times* Science Journalist William L. 'Atomic Bill' Laurence and the Reports of a Hiroshima Survivor," presented at the *Legacies of the Manhattan Project at 75 Years* conference in Richland, Washington on March 16, 2017.

Swanberg, S.E. "Nuclear shadow: The legacy of *New York Times* science journalist and War Department propagandist, William L. 'Atomic Bill' Laurence," presented at the *Joint Journalism and Communication History Conference (JJCHC)* at New York University on March 11, 2017.

Swanberg, S.E. "Walt Disney's 'The Living Desert': Documentary or Docufiction?" presented at the *Southwest Popular/American Culture Association 38th Annual Conference* in Albuquerque, New Mexico on February 18, 2017.

Conference Panel Participation – completed

Panelist and Presenter, "Wounded in Mind: Marjorie Van de Water of the Science Service and her Campaign for Humane Treatment of Battle-Weary World War II Soldiers," presented at the *History of Science Society Annual Meeting*, Seattle, Washington, November 2, 2018.

Provided perspective for "Pseudoscience in Popular Culture – A Musical Conversation," presented at the *Society for Social Studies of Science Annual Conference* at the Sydney International Convention Center in Sydney, Australia, August 31, 2018.

Moderator, "Paper Session: Looking Back, Looking Forward: Lessons for the Future," *American Journalism Historians Association annual meeting*, Salt Lake City, October 5, 2018.

Panelist and Presenter, "Preserving the Desert Bighorn Sheep: A Literary Journey," presented at the Thirteenth Conference for *Literary Journalism Studies (IALJS-13)*, Austrian Academy of Sciences, Vienna, Austria May 17-19, 2018.

Presenter, "Social, Political, and Economic Theory as Policy 'Relevance-Makers' for Environmental History," Annual Conference - *American Society for Environmental History*, Riverside, California, March 17, 2018.

Moderator, "War Part II: From Nuclear War to ISIS," *Joint Journalism & Communication History Conference (JJCHC)* at New York University, March 10, 2018.

Presenter, Ecocriticism, "Rain Follows the Plow: A Debunked Nineteenth Century Theory of Climatology Reverberates in Popular Culture of the 21st Century," *Southwest Popular/American Culture Association 39th Annual Conference*, Albuquerque, New Mexico, February 10, 2018.

Panelist, Worldwide War Coverage in the 20th Century, *International Conference for Literary Journalism Studies (IALJS-12)*, Halifax, Nova Scotia, Canada, May 13, 2017.

Panelist, Telling Stories About the Manhattan Project & Its Legacies, *Legacies of the Manhattan Project at 75 Years* conference in Hanford, Washington, March 16, 2017.

Panelist and Presenter, The Trouble with Propaganda, *Joint Journalism and Communication History Conference (JJCHC)* at New York University, March 11, 2017.

Conference Panel Participation – completed (cont.)

Panelist and Presenter, Ecocriticism, *Southwest Popular/American Culture Association*
38th Annual Conference in Albuquerque, New Mexico, February 18, 2017.

Research in Progress Presentations

Swanberg, S.E. “What Did They Know and When Did They Know It? A Retrospective on *The Science News-Letter’s* Coverage Concerning Health Effects of Atomic Radiation on Hiroshima and Nagasaki Residents,” **Research in Progress (RIP)** presented at the *American Journalism Historians Association* meeting in Salt Lake City on October

Swanberg, S.E. “Half-life: *New York Times* science journalist William L. ‘Atomic Bill’ Laurence, Propagandist for the Atomic Age,” **Research in Progress (RIP)** presented at the *American Journalism Historians Association* meeting in St. Petersburg, Florida on October 8, 2016.

Swanberg, S.E. “Writing Under the Influence: John Hersey and the Writings of John A. Siemes, S.J.,” **Research in Progress (RIP)** presented at the International Association of Literary Journalism Studies in Halifax, Nova Scotia, Canada on May 13, 2017.

Collaborations and Miscellaneous Research Activities

“Framing Biosphere 2: A Case Study of Media Coverage,”
Collaborators: Kevin Bonine, Director, Education and Outreach, Biosphere 2, University
Catherine F. Brooks, Ph.D., Associate Professor of Communication and Information, and
Associate Director, School of Information, and founding Director of the Center for
Digital Society and Data Studies (CDSDS) at the University of Arizona, Susan E.
Swanberg, Assistant Professor, School of Journalism. Research in progress.

Member of UA writing accountability groups sponsored by Campus Connections (fall 2015 and fall 2016).

TEACHING

EXTENT OF TEACHING

2019 Spring Semester

Jour 455/555	Environmental Journalism	19 students
Jour 509	Media Law	18 students

2018 Fall semester

Jour 498H	Honors Thesis	1 student
Jour 599	Independent Study	1 student

2017 Fall semester

Jour 205	Reporting the News	19 students
Jour 205	Reporting the News	14 students

2017 Spring semester

Jour 455/555	Environmental Journalism	19 students
Jour 509	Media law	10 students

2016 Fall semester

Jour 205	Reporting the News	19 students
Jour 205	Reporting the News	19 students

2016 Spring semester

Jour 205	Reporting the News	19 students
Jour 205	Reporting the News	19 students

2015 Fall semester

Jour 472/572	Science journalism	17 students
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SERVICE

NATIONAL AND INTERNATIONAL SERVICE

Professional Associations (past* and present affiliations)

- History of Science Society
- American Journalism Historians Association
- International Association for Literary Journalism Studies
- Society for Social Studies of Science
- National Association of Science Writers
- Society of Environmental Journalists*
- Investigative Reporters and Editors*
- Society of Professional Journalists
- National Press Photographers Association
- Online News Association*
- American Association for the Advancement of Science
- Society for Neuroscience
- The American Society of Human Genetics
- Society for Science and the Public
- The Gerontological Society*

Reviewer/judge

Essay Contest Judge

- American Society for Human Genetics DNA Day Essay Contest judge (2016-2018)

Note: “The American Society of Human Genetics (ASHG), founded in 1948, is the primary professional membership organization for human genetics specialists worldwide. The Society’s nearly 8,000 members include researchers, academicians, clinicians, laboratory practice professionals, genetic counselors, nurses and others who have a special interest in the field of human genetics.”

<http://www.ashg.org/about/index.shtml>

Reviewer

- Routledge, Taylor and Francis Group (October 2017)
- Environmental Communications Division of the International Communications Division (December 2016)
- Journalism & Mass Communication Quarterly (April & June 2017)

Invited presentations and moderated panels

- Panelist, “Dialogues between Neuroscience and Society,” Undergraduate Neuroscience and Cognitive Science Retreat, UA (January 9, 2018).
- Panelist, AMD Day Storytelling Panel, Centers for Disease Control and Prevention (CDC), Atlanta, Georgia (September 26, 2017).
- Moderator, symposium: Agua Dulce - The Santa Cruz River Heritage Project, Santa Cruz River Research Days: 9th Annual, Pima Community College – Desert Vista Campus (March 30, 2017).
- Guest lecture, UA School of Journalism, Issues in Science and Environmental Journalism class – presentation about Andrew Wakefield and the autism/vaccine scandal (October 2016).
- “How to make your public health stories come alive,” presented at the annual meeting of the Association of Public Health Laboratories (June, 2016.)
- “‘The Martian’ Panel Discussion,” moderated panel of three of UA’s preeminent experts on Mars: Wolfgang Fink, Alfred McEwen and Gene Giacomelli. Event held at the Flandreau Science Center (2015)
- “With Conviction: Reporting on Science in the Courtroom,” moderated panel discussions on junk science in the courtroom (September 2015).
- “Looking Ahead: Wildfires in 2015,” moderated a panel discussion about the 2015 fire season at the role of the media in reporting Arizona fires, Arizona Republic (2015).
- “The Lab Bench and Beyond: My Path From Scientist to Science Writer,” presentation to pharmacology graduate students, UA Department of Pharmacology, College of Medicine (2014).

Workshops

- “With Conviction: Reporting on Science in the Courtroom,” a workshop (2015)
 - Developed concept
 - Wrote and submitted grant proposal to National Association of Science Writers (NASW)
 - Collaborated with faculty in the James E. Rogers College of Law
 - Identified location for workshop
 - Identified and invited speakers
 - Made travel and lodging arrangements for speakers
 - Arranged meals for participants
 - Organized schedule of events
 - Developed written materials for participants
 - Developed website for event
 - Supervised student journalists who attended event and wrote stories about the event
 - Supervised student photography, videography and social media for event
 - Moderated event & submitted final report to NASW

UNIVERSITY SERVICE

Committees and boards

- Member, SBSRI Advisory Board (2016 - 2018)
- Member, School of Journalism Graduate Committee (August 2015 to present)
- Arizona Student Media Advisory Board (2011-2013)
- Postdoc orientation presentations for UAW Local 5810, the Postdoc Union, (2010-2011)
- Animal Science Postdoctoral and Visiting Scholar Committee (2010-2011)
- Department of Animal Science Seminar Committee (2003-2004, 2004-2005)
- UCD Genetics Graduate Group Executive Committee (2003-2004, 2004-2005)

Master's and dissertation committees

- Member, dissertation committee of Matt Roby – Natural Resources UA (2018-present)
- Member, dissertation committee of Patty Piburn – Journalism ASU (2018-present)
- Member, master's thesis committee of Emily Ellis – UA (2018)
- Member, master's thesis committee of Mikayla Mace – UA (2017)
- Chair, master's thesis committee of Alexandra Cecelia Adamson – UA (2016)

Mentoring

- Advisor, First-Generation Club for Student Journalists, UA School of Journalism (Fall 2017).
- Dow Jones Newspaper Fund, Diversity in Journalism Workshop for Arizona High School Students at the University of Arizona (2012, 2013, 2014, 2015, 2016, 2017)
- Science writing mentor, "Journal of Young Investigators, The Premier Undergraduate Science Journal," (2014 – 2015).

Miscellaneous Publications

2017

Swanberg, S.E. "The Limits of Memory and Vicissitudes of Truth," review of *Kept Secret: The half-truth in nonfiction*," *Literary Journalism Studies*, Vol 9, No.2, Fall 2017, pp. 139-141, <http://ialjs.org/wp-content/uploads/2017/11/Book-Reviews-130-149.pdf>

Swanberg, S.E. "Swanberg on Her Research on John Hersey and Hiroshima Eyewitness, John A. Siemes, S.J.," (August 2, 2017) *Intelligencer*, Retrieved from <https://ajha.wildapricot.org/Intelligencer/5009523>

Swanberg, S.E. (2017). "Notes from an Undercover Literary Journalism Fan," *Literary Journalism: The Newsletter of the IALJS*, 11(3): 24

2016

Executive Editor of UA School of Journalism Student Magazine

- *SciView*
 - Supervised writing and editing of stories
 - Supervised magazine design
 - Supervised production and printing of magazine
 - Collaborated with AZPM on a broadcast featuring student stories

2015

Swanberg, S.E. (2015). "Tree rings do tell tales: Dendrochronology at Chaco Canyon," written for the Western National Parks Association.

Swanberg, S.E. (2015). "Proof of life: Tent circles at Bighorn Canyon," written for the Western National Parks Association.

Swanberg, S.E. (2015). "The 2011 BioBlitz: Saguaro National Park," written for the Western National Parks Association.

Swanberg, S.E. (2015). "Keeping the lead Out: The endangered California Condor," for the Western National Parks Association.

Swanberg, S.E. (2015). "Bats battle fungus: Bat cave microclimates at El Malpais," written for the Western National Parks Association.

Swanberg, S.E. "Support for living well: New palliative care practitioners upgrade care," *BizTucson*, Fall 2015.

Swanberg, S.E. "Scientist, educator, clinician: Dr. Thomas D. Boyer targets liver disease," *BizTucson*, Summer 2015.

2014

Swanberg, S.E. "Nabhan speaks on cuisine, food insecurity in Tucson," *Arizona Daily Star*, October 23, 2014.

Swanberg, S.E. "Truth about cats and dogs: Canines more eco-friendly," *Arizona Daily Star*, October 17, 2014.

Swanberg, S.E. "Bombs away! But the memories remain at Sahuarita bombing range," *Green Valley News* (Wick Communications) September 24, 2014. Including photography by Susan E. Swanberg.

Swanberg, S.E. "Annual bloomfest lights up the garden," *Green Valley News* (Wick Communications) July 15, 2014. Including photography by Susan E. Swanberg.

Swanberg, S.E. "Little store, big dreams: Mom's passion serves Wrangler Ranch Community," *Green Valley News* (Wick Communications) July 2, 2014. Including photography by Susan E. Swanberg.

2014 (cont.)

Swanberg, S.E. "Fear? Sometimes it's natural, sometimes learned," *Green Valley News* (Wick Communications) June 17, 2014. Including photography by Susan E. Swanberg.

Swanberg, S.E. "Taking the fear out of poison: center fields the tough calls," *Green Valley News* (Wick Communications) April 20, 2014. Including photography by Susan E. Swanberg.

Swanberg, S.E. "Culture keepers: Conservators use science, ethics to preserve treasures," *Green Valley News* (Wick Communications) April 5, 2014. Including photography by Susan E. Swanberg.

Swanberg, S.E. "Quite a ride: A history of Sahuarita's wild horses," *Green Valley News* (Wick Communications) March 12, 2014. Including photography by Susan E. Swanberg.

Swanberg, S.E. "Remembering William F. 'Bill' Greer," *The Range*, (Wick Communications) Feb. 26, 2014.

Swanberg, S.E. "Meteorite hunters look to skies, ground," *Green Valley News* (Wick Communications) Feb. 19, 2014. Including photography by Susan E. Swanberg.

Swanberg, S.E. "Some help looking at the stars," *Green Valley News* (Wick Communications) Feb. 5, 2014. Including photography by Susan E. Swanberg.

Swanberg, S.E. "On the horns of a dilemma: Wildlife veterinarian Walter M. Boyce reflects on the challenges of bighorn sheep conservation," *Tucson Weekly* (Wick Communications) Jan. 9, 2014.

2013

Swanberg, S.E. "Burros: Born to be wild," *Scientific Tucsonan*, Spring 2011. Including photography and video by Susan E. Swanberg.

Swanberg, S.E. "Cochise Stronghold," *Blue Guitar Magazine*, Spring 2013 at page 11.
http://www.theblueguitarmagazine.org/resources/Blue+Guitar+Spring+2013_FINAL21.pdf

Conferences and Training

Conferences

History of Science Society (HSS) Annual Meeting, November 1-4, 2018, Seattle, Washington.

37th Annual Convention of the American Journalism Historians Association (AJHA), October 4-6, 2018, Salt Lake City, Utah.

The Thirteenth International Conference for Literary Journalism Studies May 17-19, 2018, Vienna, Austria.

Joint Journalism and Communication History Conference (JJCHC) at New York University, March 10, 2018.

Southwest Popular/American Culture Association 39th Annual Conference, February 7-10, 2018, Albuquerque, New Mexico.

36th Annual Convention of the American Journalism Historians Association, October 12-14, 2017. Little Rock, Arkansas.

The Twelfth International Conference for Literary Journalism Studies, May 11-13, 2017. University of Kings College, Halifax, Nova Scotia, Canada.

33rd Annual Conference on the Advancement of Women, April 21, 2017. Texas Tech University, Lubbock, Texas.

Legacies of the Manhattan Project at 75 Years, March 15-18, 2017, Richland, Washington.

Joint Journalism and Communication History Conference (JJCHC), March 11, 2017. New York University, New York.

Southwest Popular/American Culture Association 38th Annual Conference, February 15-18, 2017, Albuquerque, New Mexico.

The 35th Annual Conference of the American Journalism Historians Association, October 6-8, 2016, St. Petersburg, Florida.

Association for Education in Journalism and Mass Communications, August 4-7, 2016, Minneapolis, Minnesota.

National Association of Science Writers, October 9-13, 2015, Cambridge, Massachusetts.

Science Online, October 2013, Durham, North Carolina.

Conferences (cont.)

American Association for the Advancement of Science (the world's largest general scientific society) Boston, Massachusetts

National Association of Science Writers, October 26-30, 2012, Research Triangle, North Carolina.

Cold Spring Harbor Laboratory Meeting on Telomeres and Telomerase, May 3-7, 2011, Cold Spring Harbor, New York.

American Society of Human Genetics Annual Meeting, November 11-15, 2008, Philadelphia, Pennsylvania.

Society for Neuroscience, November 3-7, 2007. San Diego, California.

International Meeting for Autism Research (IMFAR), June 1-2, 2007, Montreal, Canada.

International Meeting for Autism Research (IMFAR), June 1-3, 2006, Montreal, Canada.

57th Annual Meeting of the Gerontological Society of America, November 19-23, 2004, Washington, DC.

EMBO Workshop/58th Harden Conference – Telomeres and Genome Stability, April 3-7, 2004, Cambridge, United Kingdom.

13th North American Colloquium on animal Cytogenetics & Gene Mapping, July 13-17, 2003, Louisville, Kentucky.

Plant, Animal and Microbe Genomes X Conference, January 12-17, 2002, San Diego, California.

Teacher Training

OIA Just in Time Workshop 2015
 University of Arizona
 How can I get my class off to a good start?
 Facilitated by UA Office of Instruction and Assessment

OIA Just in Time Workshop 2015
 University of Arizona
 How can I build a useful syllabus in D2L?
 Facilitated by UA Office of Instruction and Assessment

Teacher Training (cont.)

<i>OIA Just in Time Workshop</i> University of Arizona What do new instructors need to know about D2L? Facilitated by UA Office of Instruction and Assessment	2015
<i>OIA Just in Time Workshop</i> University of Arizona Teaching Online: Online Mini-Course Facilitated by UA Office of Instruction and Assessment	2013
<i>Los Rios Faculty Diversity Internship</i> Sacramento City College Semester-long program for prospective community college instructors	2000

Writing and Editing Training

- Santa Fe Science Writing Workshop (2010, 2013, 2014, 2015)
- UC Berkeley Extension Courses:
 - Grammar, Mechanics and Usage for Editors (2010)
 - Editorial Workshop I: Introduction to Copyediting (2010)
 - Editorial Workshop II: Intermediate Copyediting (2011)

Miscellaneous Training

- New Faculty Mentoring Program, UA College of Social and Behavioral Sciences (2017-2018).