

CURRICULUM VITAE

Susan Elizabeth Swanberg
Associate Professor
College of Social and Behavioral Sciences
School of Journalism, University of Arizona
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Chronology of Education

- 2024 Accepted to the LLM program at the James E. Rogers College of Law.
- 2014 M.A., Journalism, University of Arizona, Tucson, Arizona, United States
Professional project: Stung! Arizona's Bark Scorpion: Victims, Venom, and the Orphaning of an Antivenin
Advisor: Professor Carol Schwalbe
Major fields: Science journalism theory and practice, science journalism history
- 2005 Ph.D., Genetics, University of California, Davis, California, United States
Dissertation: Telomere Length Regulation in an Avian Model
Advisor: Dr. Mary E. Delany
Major Field: Telomere biology
- 2000 M.S., Biological Sciences, California State University, Sacramento, California, United States
Thesis: The PKR-binding properties of a Mouse SINE
Advisor: Dr. Ruth Ballard
Major Field: Molecular genetics of the mammalian genome
- 1978 J.D., Law, University of Oregon School of Law, Eugene, Oregon, United States
- 1975 B.A., Psychology, University of Oregon, Eugene, Oregon, United States
Major field: Neuroscience (physiological psychology)

Continuing Education and Training

- 1 Media Law Seminar (LAW 615H), James E. Rogers College of Law – in progress Fall 2024
- 2 Federal Administrative Law (LAW 621A), James E Rogers College of Law – in progress Fall 2024.
- 3 Philosophy of Science course, University of Oxford Continuing Education (online), Spring 2021.
- 4 Participant, NEH fellowship Writing Group with Carol Brodie, Spring 2020.
- 5 Participant, NEH Regional Application Writing Workshop, September 26-27, 2019.
- 6 Participant, Leadership Tools Series: Statistics for Decision Makers, UA, June 1, 2019.

Continuing Education and Training (cont.)

- 7 Participant, Quantitative Intuition Across the Disciplines, UA Center for University Education Scholarship (CUES), April 19-20, 2019.
8. Participant, New Faculty Mentoring Program, UA College of SBS, 2017-2018.
- 9 Participant, UA writing accountability groups – Campus Connections, 2015, 2016.

Chronology of Employment, Academic Appointments, Fellowships, and Miscellaneous Affiliations

Faculty Appointments and Affiliations

August 2022–present	Associate Professor School of Journalism College of Social and Behavioral Sciences University of Arizona Promotion and Tenure awarded: April 29, 2022
July 1, 2022-November 2, 2022	Associate Director School of Journalism College of Social and Behavioral Sciences University of Arizona
August 2015 – August 2022	Assistant Professor School of Journalism College of Social and Behavioral Sciences University of Arizona
October 2021-present	External Associate University of Oregon Center for Science Communication Research (SCR)
October 2021- present	Faculty Affiliate Arid Lands Resource Sciences GIPD University of Arizona
March 2021- present	Faculty Affiliate Applied Intercultural Arts Research GIPD University of Arizona
February 2020 - present	Faculty Affiliate American Literary Translators Association (ALTA) University of Arizona

Journalism employment (misc.)

2014-present Freelance journalist, science blogger, and/or occasional contributor to the *Green Valley News* and *Sahuarita Sun*, *Tucson Weekly*, *Arizona Daily Star*, *BizTucson*, & the Western National Parks Association (WNPA)

Scientific employment (misc.)

2012 (fall) Graduate Teaching Assistant
UA Department of Molecular and Cellular Biology

2009-2011 Postdoctoral Scholar
Delany Laboratory
Animal Science Department
University of California, Davis

2005-2008 Postdoctoral Researcher
NIH-funded postdoctoral Research on Autism Spectrum Disorders
LaSalle Laboratory: Medical Microbiology and Immunology
Associated with the MIND Institute
University of California, Davis

2000-2005 Graduate Student Researcher
Delany Laboratory
University of California, Davis

Fall 1999 Student Researcher
California Department of Pesticide Regulation
Sacramento, California

Legal employment (misc.)

1994-1995 Susan E. Swanberg
Attorney at Law
San Jose, California

1990-1994 Tondreau, Schroeder, Pointer, Swanberg, and Saldivar
San Jose, California

1985-1989 Deputy Public Defender
Santa Clara County Public Defender's Office
San Jose, California

1983-1984 Civil Law Deputy
Kootenai County Prosecutor's Office
Coeur d'Alene, Idaho

1981-1983	City Attorney Twin Falls, Idaho
1979-1981	Deputy Public Defender Twin Falls County Public Defender's Office
1978-1979	Legal Assistant then Attorney Twin Falls County Legal Aid

Honors, Awards, and Recognition

International Recognition

March 2023	Elected a fellow of the Linnean Society of London, the world's oldest active society devoted to natural history which - founded in 1788 by Sir James Edward Smith (1859-1828), who was its first President. The Society takes its name from the Swedish naturalist Carl Linnaeus
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Department and College – University of Arizona

May 2021	Nomination, Hugh & Jan Harelson Award for Excellence in Teaching, School of Journalism, University of Arizona.
March 2021	Nomination for the Excellence in Graduate Teaching and Mentoring Award, University of Arizona.
May 2020	Winner, Hugh & Jan Harelson Award for Excellence in Teaching, School of Journalism, University of Arizona. Annual award given by the school to an instructor who exemplifies the highest quality of teaching. Based on student nominations. Awarded \$1,000.
August 2020	Winner, Al Litzow Student Engagement Grant for Journalism 205. Award to conduct a special project with and for students in Reporting the News (JOUR 205).
May 2019	Winner, Hugh & Jan Harelson Award for Excellence in Teaching, School of Journalism, University of Arizona.
Fall 2018	Udall Fellowship, Udall Center for Studies in Public Policy.
March 2017	Faculty Spotlight (with Professor Carol Schwalbe), College of Social and Behavioral Sciences, University of Arizona.
2015	Best Data Visualization Project, Institute for Justice and Journalism Migrahack. Member of team creating "No Lawyer, No Voice" project which examined the issue of unaccompanied minors without legal counsel.
2013	Outstanding Graduate Student, UA School of Journalism.

- 2012 Steve Emerine Scholarship, School of Journalism, UArizona
- 2012 Bernice Cosulich Scholarship, School of Journalism, UArizona

Department and College – University of California, Davis

- 2006 Kinsella Memorial Dissertation Prize, University of California, Davis, United States. Awarded \$3000.
- 2001, 2005 Hart/Cole/Goss Summer Research Fellowship.
- 2004 Floyd and Mary Schwall Dissertation Year Fellowship in Medical Research.
- 2002, 2003, 2004 Austin Lyons Fellowship - covered the cost of academic year stipends.
- 2003 Jastro Shields Research Award - covered the cost of materials for research.
- 2002 U.C. Davis and Humanities Graduate Research Award - covered the cost of materials for research.
- 2001 Herbert Kraft Fellowship - covered the cost of academic year stipends.
- 2001 Phi Sigma Honor Society
- 2000 U.C. Davis Departmental Fellowship Awards and Research Assistantship.
- 2000 Sigma Xi Honor Society

Misc. National and International Awards, Scholarships, etc.

- October 2018 Rising Scholar Award - American Journalism Historians Association, competitive award for historical journalism research - \$2000.
- Spring 2013 Fourth Place, Equine Ideal Spring 2013 Photography Contest, Amateur Division, wild horses: Oatman Burro 1; Honorable Mention: Wild Free-Roaming Burro 2.
- 2012 Honorable Mention for “Cochise Stronghold” – The Association for Education in Journalism and Mass Communication (AEJMC) Student Magazine Contest: First Person Category.

Misc. National and International Awards, Scholarships, etc. (cont.)

- 2007 - 2008 NIH Individual Ruth L. Kirschstein National Research Award. (NRSA) (1F32HD055143-01).
- 2005 - 2007 Trainee - NIH Interdisciplinary Training Grant for Autism Researchers (5T32MH073124-02) UC Davis M.I.N.D. Institute, Sacramento, California.
- 2005 Fellowship - American Foundation for Aging Research.
- 2004 Reduced Fee Award to cover costs of attending the EMBO/58th Harden Conference – Telomeres and Genome Stability, Cambridge University, United Kingdom.
- 2004 13th North American Colloquium on Animal Cytogenetics and Genome Stability – Travel Award.
- 2003 Glenn Foundation for Medical Research and American Federation for Aging Research (Glenn/AFAR) Scholarship for Research in the Biology of Aging. Awarded \$3000.

Service/Outreach

Local/State Outreach

- 1 Invited panelist – “Sustaining Arizona’s Communities through Historical Newspapers,” <https://tinyurl.com/5n8psrck>, April 12, 2024.
- 2 Invited panelist - University of Arizona Program to Advance Women Scientists (PAWS) career expo at the University of Arizona. I provided information about the University of Arizona Science and Environmental journalism program to women interested in science journalism or science writing as a career, April 18, 2023.
- 3 Invited speaker – “*Covering Science, Health and Medicine, and the Environment Part I: Roles Journalists Play in the Science Journalism Ecosystem*,” Arid Lands presentation with Professor Carol Schwalbe, January 25, 2023.
- 4 Invited speaker – Presentation to Journalism Advisory Council on my teaching, research, and service, September 9, 2022.
- 5 Invited panelist – “Non-traditional career paths for Ph.D. students,” Programs to Advance Women Scientists (PAWS), March 23, 2022.
- 6 Invited panelist – “How My Science Degree Got Me Where I Am Today,” University of Arizona, Physio Connects, April 2021.
- 7 Invited presentation – Presentation to Journalism Advisory Council on my research, November 6, 2020.

Local/State Outreach (cont.)

- 8 Moderator – “Going Viral: Covering Coronavirus, Flu, and Other Contagious Illness Without Creating Hysteria,” panel discussion with local public health experts, February 26, 2020.
- 9 Invited speaker – “Journalism, Law, and the Public Understanding of Science: How Can We Figure Out What is True in this Era of ‘Fake’ News?” presented at University of Arizona Honors Colloquium HNRS 395H, 2019.
- 10 Invited Moderator - Journalism on Screen at The Loft: premier of “Anthropocene: The Human Epoch,” a post-film panel consisting of Jim Robbins, *NYT* science journalist and book author, and Dr. Valerie Trouet of the UA Laboratory of Tree Ring Research, 2019.
- 11 Invited speaker - “To the Lab Bench and Beyond,” presentation for the Program to Advance Women Scientists at the University of Arizona (P.A.W.S), 2019.
- 12 Invited guest - “The Bill Buckmaster Show” (host - Ray Ingegneri), 103-KVOA AM, Topic: “The state of journalism and the new semester at the UA School of Journalism,” 2019.
- 13 Invited speaker - “The Impact of Disinformation on Science and Journalism,” Arizona Senior Academy, Tucson, Arizona, 2019.
- 14 Invited speaker - “The Science of Science Communication: How and Why We’ve Fallen for Fake Science News Throughout History,” Brown Bag, School of Sociology, University of Arizona, 2019.
- 15 Invited speaker on Arizona 360 with host, Lorraine Rivera, and fellow guest, Dylan Smith, to discuss increased skepticism toward journalism, 2019.
- 16 Invited speaker on Arizona 360 with host Lorraine Rivera to discuss media ethics, 2018.
- 17 Invited panelist, “Dialogues Between Neuroscience and Society,” Undergraduate Neuroscience and Cognitive Science Retreat, University of Arizona, 2018.
- 18 Invited Moderator - Symposium: Agua Dulce - The Santa Cruz River Heritage Project, Santa Cruz River Research Days: 9th Annual, Pima Community College – Desert Vista Campus, 2017.
- 19 Guest lecture - UA School of Journalism, Issues in Covering Science and Environmental Journalism class – presentation about Andrew Wakefield and the autism/vaccine scandal, 2016.
- 20 Invited Moderator - “The Martian” Panel Discussion, panel of three preeminent UA experts on Mars: Wolfgang Fink, Alfred McEwen and Gene Giacomelli, Flandreau Science Center, UA, 2015.
- 21 Developer and moderator - Workshop: “With Conviction: Reporting on Science in the Courtroom,” Developed and moderated a workshop with forensic science experts, attorneys, journalists, and an exonerated former death row inmate addressing the problem of junk science presented as evidence at trial. Partnered with: James E. Rogers College of Law and the

University of Arizona College of Science; Intended audience: journalism students, the public, and the academic community, 2015.

- 22 Invited Moderator - "Looking Ahead: Wildfires in 2015." Panel discussion: the role of the media in reporting Arizona fires, sponsored by *The Arizona Republic*, 2015.

National/International Outreach

- 1 Panels chair for AJHA, read and reviewed panel submissions and handled the panels administratively. Could not attend the conference because of departmental funding uncertainty.
- 2 Read, assessed and judged five journalism history dissertations for the AJHA Blanchard Prize contest – March 2024.
- 3 Invited panelist (2023). PCST, The Global Network for Science Communication - 2023 Conference in Rotterdam, the. Roundtable discussion: Finding common ground through journalism, Panel moderator: Felicity Mellor, Panel members: Jane Gregory, Susan Swanberg and An Nguyen. (Also listed under scholarly presentations.)
- 4 Advocate, National Humanities Association (NHA) Humanities Advocacy Day – Virtual Capitol Hill advocacy for increased funding for the National Endowment for the Humanities (NEH) and the National Archive (NARA), March 10, 2021 (virtual).
- 3 Invited panelist, "Media: Does their camera report the truth, the whole truth, and nothing but the truth," National Association for Civilian Oversight of Law Enforcement (NACOLE), August 5, 2020 (virtual).
- 4 Invited Panelist, Advanced Molecular Detection (AMD) Day Storytelling Panel, Centers for Disease Control and Prevention (CDC), Atlanta, Georgia, 2017.
- 5 Invited panelist, "How to make your public health stories come alive," Annual Meeting of the Association of Public Health Laboratories, Albuquerque, New Mexico, 2016.

Judge/reviewer

- 1 Judge, American Society of Human Genetics DNA Day Essay Contest (annual), 2016-2024.
- 2 Reviewer, *Church History*, 2021.
- 3 Reviewer, *The Literary Journalist as Naturalist*, 2021.
- 4 Judge, American Journalism Historians Association Book Award, 2020, 2021.
- 5 Reviewer, American Journalism Historians Association conference submissions, 2018-2020.
- 6 Book reviewer, Routledge, Taylor, and Francis Group, 2017.

Judge/reviewer

- 7 Reviewer, *Journalism & Mass Communication Quarterly*, 2017, 2021.
- 8 Reviewer, Environmental Communications Division of the International Communications Association, 2016.

School of Journalism Committees & Other Departmental Service/Outreach

- 1 Member, Graduate Committee, 2015-2022, 2024.
- 2 Member, Assessment Committee, 2019-2020, 2024.
- 3 Member, Diversity, Equity & Inclusion Committee, 2019-2020, affiliate in 2020-2021.
- 4 Member, Grants Committee, 2019-2020, affiliate in 2020-2021.
- 5 Member, School of Journalism Bilingual Journalism Task Force, 2019-2020.
- 6 School of Journalism Safety Officer, 2019-2020.

College Committees

- 1 Hiring committee for SBS Dean search, 2022.
- 2 Chair, SBS Faculty Advisory Council, January 2022-December 2022
- 3 Elected member, SBS Faculty Advisory Committee/Council May 2020-May 2022.
- 4 Interim member, SBS Faculty Advisory Committee, 2019-2020.
- 5 Member, Social and Behavioral Science Research Institute (SBSRI) Advisory Board, 2016-2018.

University Committees

- 1 Advisory Board Member, UA Center for University Education Scholarship (CUES) QI (Quantitative Intuition), 2020-2021.
- 2 Faculty advisory committee member, Institute of the Environment, 2019.

Other Service

Membership in Scholarly or Professional Organizations (current and past)

- 1 History of Science Society
- 2 American Journalism Historians Association
- 3 International Association for Literary Journalism Studies
- 4 Society for Social Studies of Science
- 5 National Association of Science Writers

- 6 Society of Environmental Journalists
- 7 Society of Professional Journalists
- 8 National Press Photographers Association
- 9 American Association for the Advancement of Science
- 10 Society for Neuroscience
- 11 The American Society of Human Genetics
- 12 Society for Science and the Public
- 13 The Linnean Society of London

Mentoring

- 1 Women in STEM Mentorship Program, 2019-2020.
- 2 Advisor, First-Generation Club, UA School of Journalism, Fall 2019, Spring 2020.
- 3 Mentor and/or presenter, Dow Jones Newspaper Fund, Diversity in Journalism Workshop for Arizona High School Students at the University of Arizona, (annual) 2012 - 2019.
- 4 Science writing mentor, "Journal of Young Investigators, the Premier Undergraduate Science Journal," (2014-2015).

Research and/or Creative Activity

** Indicates publications largely based on graduate student work*

Editor-reviewed chapters in scholarly books

- 1 **Swanberg, S.E.** (2020). "Borrowed Chronicles: New York Times Science Journalist, William L. 'Atomic Bill' Laurence and the Reports of a Hiroshima Survivor," in *Legacies of the Manhattan Project: Reflections on 75 Years of a Nuclear Age*, (editor: Michael Mays). Hanford Histories Series Volume II, Pullman, WA: WSU Press.

Associated dataset:

Swanberg, S.E. (2021). Mendeley Data, V2, doi: 10.17632/y4ffj425jw.2
<http://dx.doi.org/10.17632/y4ffj425jw.2>

This dataset provides exemplars of texts written by Johannes Siemes, S.J. that were plagiarized by William L. Laurence as well as tables referencing sources of Siemes' published eyewitness reports.

Impact:

Delegard, C. (2022). "75 Years of Manhattan project Legacies – Ten Perspectives." Includes a review of "Borrowed Chronicles: *New York Times* Science Journalist, William L. 'Atomic Bill' Laurence and the Reports of a Hiroshima Survivor."

<https://bioone.org/journals/northwest-science/volume-95/issue-2/046.095.0207/75-Years-of-Manhattan-Project-Legacies--Ten-Perspectives/10.3955/046.095.0207.full>

- 2 **Swanberg, S.E.** (2018). "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.

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

Refereed journal articles

- 1 **Swanberg, S.E.** (2024). "Revisiting The Living Desert: Documentary or a Wildlife Fable Filmed in a Mythical Desert?" Accepted July 9, 2024, by the *International Journal of Disney Studies*. Published online 12.6.24. Topic: Scientific misinformation in a vintage popular culture film.
- 2 **Swanberg, S.E.** (2021). "Under the Influence: Johannes A. Siemes, S.J.'s eyewitness report and its impact on John Hersey's Hiroshima," *Literary Journalism Studies*, 13 (1 & 2): 130-161.

Impact:

- National Security Archive (2022). "78th Anniversary of Hiroshima and Nagasaki Bombings: Revisiting the Record," <https://nsarchive.gwu.edu/briefing-book/nuclear-vault/2023-08-07/78th-anniversary-hiroshima-and-nagasaki-bombings-revisiting>. See citations to Swanberg, "Under the Influence..." at notes: 38, 39 & 42.
 - National Security Archive (2021). "77th Anniversary of Hiroshima and Nagasaki Bombings: Revisiting the Record," <https://nsarchive.gwu.edu/briefing-book/nuclear-vault/2022-08-08/77th-anniversary-hiroshima-and-nagasaki-bombings-revisiting>. See citations to Swanberg, "Under the Influence..." at notes: 31, 32 & 35.
- 3 **Swanberg, S.E.** (2021). "'Well-bred and Well-fed,' The Science News-Letter's Coverage of Eugenics from 1924 to 1965." *American Journalism*, 38(2):202-230. Note: This research was funded by a 2018 AJHA Rising Scholar award.

Associated Dataset: **Swanberg, S.E.** (2021). Mendeley Data, V6, doi:10.17632/n9tv9hzzhr.6 <http://dx.doi.org/10.17632/n9tv9hzzhr.6>

Impact:

- Scientia, (2023). "Exploring the Hidden Link Between Science Journalism and Eugenics," <https://www.scientia.global/dr-susan-e-swanberg-exploring-the-hidden-link-between-science-journalism-and-eugenics/> An outreach article about my eugenics research.
- Maria Temming, (2022). "We're Celebrating a Century of Science News," *Science News*. <https://www.sciencenews.org/article/science-news-journalism-history-century-birthday>. Temming quotes me and cites my work in "Well Bred and Well-Fed..."
- Science News Staff, (2022). "Some past *Science News* coverage was racist and sexist. We're deeply sorry." <https://www.sciencenews.org/article/past-science-news-coverage-racism-sexism-includes-a-discussion-of-eugenics-coverage-which-well-bred-and-well-fed...> brought to light.
- Author Interview: Susan E. Swanberg, (2021). *American Journalism*, vol. 38, no. 2.

- 4 **Swanberg, S.E.** (2020). "Wounded in Mind': Science Service Writer, Marjorie Van de Water, Explains World War II Military Neuropsychiatry to the American Public," *Media History*, 26(4):472-488. Published online August 20, 2019. <https://doi.org/10.1080/13688804.2019.1652582>

Refereed journal articles (cont.)

- 5 **Swanberg, S.E.** (2019). "The Way of the Rain': Towards a conceptual framework for the retrospective examination of historical American and Australian 'rain follows the plow/plough' messages," *International Review of Environmental History* 5(2): 67-96.
<http://doi.org/10.22459/IREH.05.02.2019>
http://press-files.anu.edu.au/downloads/press/n6094/pdf/03_swanberg.pdf
- 6 **Swanberg, S.E.** (2019). "Psychological Armor: The Science News-Letter Warns Against Propaganda (1926-1965)," *Journalism Studies* 20(13):1883-1902. Published online November 8, 2018. <https://doi.org/10.1080/1461670X.2018.1541754>

Associated Dataset:

Swanberg, Susan (2018), "Psychological Armor: Science Service Warns Against Propaganda in The Science News-Letter (1926-1965)", Mendeley Data, V1, Doi: 10.17632/z4jc73tsrd.1
Doi: 10.17632/z4jc73tsrd.3.<http://dx.doi.org/10.17632/z4jc73tsrd.3>

- 7 ** **Swanberg, S.E.**, T.H. O'Hare, E.A. Robb, C.M. Robinson, H. Chang, M.E. Delany. (2010). "Telomere biology of the chicken: A model for aging research," *Experimental Gerontology* 45(9):647-654.
DOI: 10.1016/j.exger.2010.04.002
- 8 ** Maezawa, I., **S. Swanberg**, J.M. LaSalle, L-W Jin. (2009). "Rett Syndrome astrocytes are abnormal and spread the MeCP2 deficiency state through gap junctions," *Journal of Neuroscience* 29(16): 5051-5061, 2009. DOI: 10.1523/JNEUROSCI.0324-09.2009
- 9 ** **Swanberg, S.E.**, R.P. Nagarajan, J.M. LaSalle. (2009). "Reciprocal co-regulation of EGR2 and MECP2 is disrupted in Rett Syndrome and autism," *Human Molecular Genetics* 18(3): 525-534.
DOI: 10.1093/hmg/ddn380
- 10**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. (2008). "MECP2 promoter methylation and X chromosome inactivation in autism," *Autism Research* 1(3): 169-178. DOI: 10.1002/aur.24
- 11* van de Lavoie, M-C., C. Mather-Love, P. Leighton, J.H. Diamond, B.S. Heyer, R. Roberts, L. Zhu, P. Winters-Digiacinto, A. Kerchner, T. Gessaro, **S. Swanberg**, M.E. Delany, R. J. Etches. (2006). "Germline Transmission of genetically modified primordial germ cells," *Nature* 441(7094): 766-769.
- 12* van de Lavoie, M-C., C. Mather-Love, P. Leighton, J.H. Diamond, B.S. Heyer, R. Roberts, L. Zhu, P. Winters-Digiacinto, A. Kerchner, T. Gessaro, **S. Swanberg**, M.E. Delany, R. J. Etches. (2006). "High Grade Transgenic somatic chimeras from chicken embryonic stem cells," *Mechanisms of Development* 123(1): 31-41 (2006). DOI: 10.1016/j.mod.2005.10.002

Refereed journal articles (cont.)

- 13* **Swanberg, S.E.** and M.E. Delany. (2005). "Differential expression of genes associated with telomere length homeostasis and oncogenesis in an avian model," *Mechanisms of Ageing and Development* 126(10): 1060-1070. DOI: 10.1016/j.mad.2005.03.022
- 14* **Swanberg, S.E.** and M.E. Delany. (2004). "Telomerase activity and differential expression of telomerase genes and c-myc in chicken cells in vitro," *Developmental Dynamics* 231(1): 14-21. DOI: 10.1002/dvdy.20149
- 15* **Swanberg, S.E.** and M.E. Delany. (2003). "Dynamics of telomere erosion in transformed and non-transformed avian cells in vitro," *Cytogenetic and Genome Research* 102(1-4): 318-325. DOI: 10.1159/000075769. Reprinted in *Animal Genomics*, B. Chowdhary (Ed), Basel, Switzerland: Karger Publishers, 2004.
- 16* Delany, M.E., L.M. Daniels, **S.E. Swanberg**, and H.A. Taylor. (2003). "Telomeres in the chicken: genome stability and chromosome ends," *Poultry Science* 81(6):917-926.

Other peer-reviewed publications

- 1** **Swanberg, S.E.**, T.H. O'Hare, M.E. Delany, "Telomere Maintenance [Gallus gallus]" in the Reactome - a curated knowledgebase of biological pathways. [First section of a 3-section database entry.]
- 2** **Swanberg, S.E.**, T.H. O'Hare, M.E. Delany, Assembly of Telomerase and Telomere Extension in the Reactome - a curated knowledgebase of biological pathways
<https://reactome.org/PathwayBrowser/#/R-GGA-418124&SEL=R-GGA-417076&PATH=R-GGA-1670466> [Second section of a 3-section database entry.]
- 3** **Swanberg, S.E.**, T.H. O'Hare, M.E. Delany, "Packaging of Telomere Ends" in the Reactome - a curated knowledgebase of biological pathways <https://reactome.org/PathwayBrowser/#/R-GGA-418124&SEL=R-GGA-417076&PATH=R-GGA-1670466> [Third section of a 3-section database entry.]

* Completed as a genetics Ph.D. student

** Completed as a genetics postdoc

Other scholarship

Scholarly Book Reviews

- 1 **Swanberg, S.E.** (©2023, published in 2024). "Alarm Calls and Other Echoes of a Once and Future World," Book review essay, *Literary Journalism Studies* 14(2):194-210.

Scholarly Book Reviews (cont.)

- 4 **Swanberg, S.E.** (2021). "Nuclear Shadows: Hersey's Hiroshima Revisited," review of *Fallout: The Hiroshima Cover-up and the Reporter Who Revealed it to the World*, *Literary Journalism Studies*, 13 (1& 2):194-198.
- 3 Matthew Roby[§] and **Swanberg, S.E.** (2020). "Fact or Fiction? Researchers Examine Our Shared Concern," review of *The Oxford Handbook of the Science of Science Communication*, ed. Kathleen Hall Jamieson, Dan Kahan, and Dietram A. Scheufele (New York, NY: Oxford University Press, 2017), *Literary Journalism Studies* 12 no. 1: 209-211. https://s35767.pcdn.co/wp-content/uploads/2020/09/v12i1-Book-Reviews_NEW.pdf
[§] = graduate student collaborator
- 4 **Swanberg, S.E.** (2019). "Crux of the Matter: Renewing an Acquaintance with John Hersey," review of "Mr. Straight Arrow: The Career of John Hersey, Author of Hiroshima," *Literary Journalism Studies* 11, no. 2: 175-178. https://ialjs.org/wp-content/uploads/2020/01/15-LJS-v11n2_Bk-Rev_Hersey.pdf
- 6 **Swanberg, S.E.** (2017). "The Limits of Memory and Vicissitudes of Truth," review of *Kept Secret: The half-truth in nonfiction*, *Literary Journalism Studies* 9, no. 2: 139-141. <http://ialjs.org/wp-content/uploads/2017/11/Book-Reviews-130-149.pdf>

Book Proposal/NEH Fellowship Application

Swanberg, S.E. *Half-Life: The Atomic Bomb Reportage of William L. Laurence and John Hersey*
NEH application filed April 21, 2022. Notification date in December 2022. Not awarded.

Book Chapters

- 1 **Swanberg, S.E.** (2024). "Making Democracy Safe: The development of US science journalism in the 1920s," in *Insights on Science Journalism*, (Edited by Felicity Mellor), <https://www.taylorfrancis.com/books/edit/10.4324/9781003326724/insights-science-journalism-felicity-mellor>. Part of the Routledge Insights Series.
- 2 **Swanberg, S.E.** (First online 2024). "Interviewing Nature: The Dangers and Delights of the Pathetic Fallacy and Anthropomorphism in *The Literary Journalist as a Naturalist*, (Edited by Pablo Calvi), part of the book series Palgrave Studies on Literary Journalism. Hardcover book forthcoming in 2025, chapter available online at: https://link.springer.com/chapter/10.1007/978-3-031-56634-9_14

Journal articles in preparation or in review

- 1 **Swanberg, S.E.**, "'Eugenics Sifted': Waldemar Kaempffert of the *New York Times* Examines the American Eugenics Movement." In preparation.
- 2 **Swanberg, S.E.**, "Revisiting the Goldwater Rule: Its Origins and Applications and Impact on the Practice of Journalism," In review with *American Journalism* as of December 7, 2024.

Creative Activity

Media - online and/or print science articles for the public – invited & reviewed by the editor

- 1 **Swanberg, S.E.** (2023). “A Jewel of a Tale from Pinnacles National Park,” *Your American West*, Spring 2023, pages 5-7 (a publication of the Western National Parks Association.) <https://indd.adobe.com/view/14000187-93e0-42b6-b58b-532afccb153b>
- 2 **Swanberg, S.E.** (2022). “What Did You Have for Breakfast? Contents of Mexican Spotted Owl Pellets Inform Forest Management Policy in Walnut Canyon National Monument,” *Your American West*, Fall 2022, 5-6 (a publication of the Western National Parks Association.) Available at <https://indd.adobe.com/view/608675ea-0d5e-4b53-abe3-7b1bebef137c>
- 3 **Swanberg, S.E.** (2022). “Uncovering Science Journalism’s Hidden Histories,” *AJHA Intelligencer* (March) <https://ajha.wildapricot.org/Intelligencer>.
- 4 **Swanberg, S.E.** (2021). “Bat Biologists Monitor CAVE Bats for White-Nose Syndrome,” Western National Parks Association (WNPA). <https://www.wnpa.org/research-item/bat-biologists-monitor-cave-bats-for-white-nose-syndrome/>

re-published as **Swanberg, S.E.** “Biologists Monitor Carlsbad Cavern Bats for White-Nose Syndrome,” in *Your American West*: Spring 2021: 5-6.
- 5 **Swanberg, S.E.** (2019). “Keeping the Lead Out,” (update) *Your American West*, Winter 2019: 4-6. <https://indd.adobe.com/view/af04f79c-2609-48f6-9813-f9431ecd0077>
- 6 **Swanberg, S.E.** (2015). “Tree rings do tell tales: Dendrochronology at Chaco Canyon,” Western National Parks Association (WNPA). <https://www.wnpa.org/research-item/tree-rings-do-tell-tales/>
- 7 **Swanberg, S.E.** (2015). “Proof of life: Tent circles at Bighorn Canyon,” WNPA. <https://wnpa.org/proof-of-life-tent-circles-at-bighorn-canyon/>
- 8 **Swanberg, S.E.** (2015). “Keeping the lead Out: The endangered California Condor,” WNPA. <https://www.wnpa.org/research-item/keeping-the-lead-out-the-endangered-california-condor/>
- 9 **Swanberg, S.E.** (2015). “Bats battle fungus: Bat cave microclimates at El Malpais,” WNPA. <https://www.wnpa.org/research-item/bats-battle-fungus-where-they-sleep/>
- 10 **Swanberg, S.E.** (2015). “A Whiter Shade of Moth,” WNPA. Archived article available at: <https://web.archive.org/web/20160331143725/http://www.wnpa.org/research-item/a-whiter-shade-of-moth/>

- 11 **Swanberg, S.E.** (2015). "The 2011 BioBlitz Saguaro National Park: A Yearly National Event Occurs in Tucson's Backyard," WNPA. Archived article available at: <https://web.archive.org/web/20150930011241/http://www.wnpa.org/research-item/the-2011-bioblitz-in-saguaro-national-park/>
- 12 **Swanberg, S.E.** (2015). "Support for living well: New palliative care practitioners upgrade care," *BizTucson*, fall 2015, pp. 54-55. Also online at: https://issuu.com/mcserres/docs/biztucsonfall_2015
- 13 **Swanberg, S.E.** (2015). "Scientist, educator, clinician: Dr. Thomas D. Boyer targets liver disease," *BizTucson*, Summer 2015, pp. 52-53. Online at: <https://issuu.com/mcserres/docs/biztucsonsummer2015>

Selected newspaper articles

***completed as a journalism master's student

- 1*****Swanberg, S.E.** (2014). "Nabhan speaks on cuisine, food insecurity in Tucson," *Arizona Daily Star*, October 23, 2014.
- 2*****Swanberg, S.E.** (2014). "Truth about cats and dogs: Canines more eco-friendly," *Arizona Daily Star*, October 17, 2014.
- 3*****Swanberg, S.E.** (2014). "Bombs away! But the memories remain at Sahuarita bombing range," *Green Valley News* (Wick Communications) September 24, 2014.
- 4*** **Swanberg, S.E.** (2014). "Annual bloomfest lights up the garden," *Green Valley News* (Wick Communications) July 15, 2014.
- 5*****Swanberg, S.E.** (2014). "Little store, big dreams: Mom's passion serves Wrangler Ranch Community," *Green Valley News* (Wick Communications) July 2, 2014.
- 6*****Swanberg, S.E.** (2014). "Fear? Sometimes it's natural, sometimes learned," *Green Valley News* (Wick Communications) June 17, 2014.
- 7*****Swanberg, S.E.** (2014). "Taking the fear out of poison: center fields the tough calls," *Green Valley News* (Wick Communications) April 20, 2014.
- 8*****Swanberg, S.E.** (2014). "Culture keepers: Conservators use science, ethics to preserve treasures," *Green Valley News* (Wick Communications) April 5, 2014.
- 9*****Swanberg, S.E.** (2014). "Quite a ride: A history of Sahuarita's Wild Horses," *Green Valley News* (Wick Communications) March 12.
- 10*****Swanberg, S.E.** (2014). "Remembering William F. 'Bill' Greer," *The Range*, (Wick Communications) February 26.
- 11*****Swanberg, S.E.** (2014). "Meteorite hunters look to skies, ground," *Green Valley News* (Wick Communications) February 19.

- 12*****Swanberg, S.E.** (2014). "Some help looking at the stars," *Green Valley News* (Wick Communications) February 5.
- 13*****Swanberg, S.E.** (2014) On the Horns of a Dilemma: Wildlife veterinarian Walter M. Boyce reflects on the challenges of bighorn sheep conservation," *Tucson Weekly* (Wick Communications) January 9, 2014.
- 14*****Swanberg, S.E.** (2013). "Burros: Born to be wild," multimedia essay in *Scientific Tucsonan*, Spring 2013.
- 15*****Swanberg, S.E.** (2013). "Cochise Stronghold," *Blue Guitar Magazine*, Spring 2013, at page 11.

Selected SciLogs science blog posts - posted while in rank

(*SciLogs* was an English-language science blogging network associated with nature.com – It was dissolved in September 2016.)

- 1 **Swanberg, Susan E.** (2016). "Say It Ain't So, Scilogs," *The Tenacious Telomere*, July 5, 2016. Archived at:
<https://web.archive.org/web/20160908022435/http://www.scilogs.com/tenacious-telomere/say-it-aint-so-scilogs/>
- 2 **Swanberg, Susan E.** (2016). "Close Encounters with the Venomous Kind," *The Tenacious Telomere*, February 27, 2016. Archived at:
<https://web.archive.org/web/20160331134633/http://www.scilogs.com/tenacious-telomere/close-encounters-with-the-venomous-kind/>
- 3 **Swanberg, Susan E.** (2016). "Hello Again, Hello," *The Tenacious Telomere*, February 27, 2016. Archived at:
<https://web.archive.org/web/20160316120743/http://www.scilogs.com/tenacious-telomere/hello-again-hello/>
- 4 **Swanberg, Susan E.** (2015). "Read My Blog Then Take a Survey About It," *The Tenacious Telomere*, October 26, 2015. Archived at:
<https://web.archive.org/web/20160801050012/http://www.scilogs.com/tenacious-telomere/read-my-blog-then-take-a-survey-about-it/>
- 5 **Swanberg, Susan E.** (2015). "My Conversation with Professor "X" -- A STEM Story, *The Tenacious Telomere*, October 20, 2015. Archived at:
<https://web.archive.org/web/20160801051642/http://www.scilogs.com/tenacious-telomere/my-conversation-with-professor-x-a-stem-story/>
- 6 **Swanberg, Susan E.** (2015). "Statin' the Truth?" *The Tenacious Telomere*, October 19, 2015. Archived at:
<https://web.archive.org/web/20160803171922/http://www.scilogs.com/tenacious-telomere/statin-the-truth/>

Selected SciLogs science blog posts - posted while in rank (cont.)

- 7 **Swanberg, Susan E.** (2015). "How Learning About Bugs Created A Scientist," *The Tenacious Telomere*, October 25, 2015. Archived at:
<https://web.archive.org/web/20160623162100/http://www.scilogs.com/tenacious-telomere/how-learning-about-bugs-created-a-scientist/>
- 8 **Swanberg, Susan E.** (2016). "Finding Professor 'X'-- A STEM Story: Professor "X" is Identified & I Need My Readers' Advice," *The Tenacious Telomere*, October 6, 2016. Archived at:
<https://web.archive.org/web/20160803171902/http://www.scilogs.com/tenacious-telomere/professor-x-is-identified-need-my-readers-advice/>
- 9 **Swanberg, Susan E.** (2015). "Finding Professor 'X'-- A STEM Story: What Was Lost Might Be Found," *The Tenacious Telomere*, October 2, 2015. Archived at:
<https://web.archive.org/web/20160803171943/http://www.scilogs.com/tenacious-telomere/finding-professor-x-a-stem-story-whats-lost-might-be-found/>
- 10 **Swanberg, Susan E.** (2015). "Finding Professor "X" — A STEM Story," *The Tenacious Telomere*, October 1, 2015. Archived at:
<https://web.archive.org/web/20160801051626/http://www.scilogs.com/tenacious-telomere/finding-professor-x-a-stem-story/>
- 11 **Swanberg, Susan E.** (2015). "Pneumonia Threatens Tucson's Desert Bighorn Sheep," *The Tenacious Telomere*, September 5, 2015. Archived at:
<https://web.archive.org/web/20160803172042/http://www.scilogs.com/tenacious-telomere/pneumonia-threatens-tucsons-desert-bighorn-sheep/>
- 12 **Swanberg, Susan E.** (2015). "My Pal, Blondie the Tarantula, is Back!" *The Tenacious Telomere*, September 5, 2015. Archived at:
<https://web.archive.org/web/20160913043539/http://www.scilogs.com/tenacious-telomere/my-pal-blondie-the-tarantula-is-back/>
- 13 **Swanberg, Susan E.** (2015). "Not Just the (Science) News," *The Tenacious Telomere*, September 5, 2015. Archived at:
<https://web.archive.org/web/20160912041405/http://www.scilogs.com/tenacious-telomere/not-just-the-science-news/>

Representative Fourth Helix science blog posts

(The blog was started while I was a journalism graduate student. I posted occasionally while in rank.)

- 1 **Swanberg, Susan E.** "What is Pseudoscience?" *The Fourth Helix*, January 12, 2020.
<http://www.thefourthhelix.com/2020/01/12/what-is-pseudoscience/>
- 2 **Swanberg, Susan E.** "Rain did Not Follow the Plow," *The Fourth Helix*, January 12, 2020.
<http://www.thefourthhelix.com/2020/01/12/rain-did-not-follow-the-plow/>

Conferences & Scholarly Presentation

- 1 **Swanberg, S.E.** (2023). PCST, The Global Network for Science Communication - 2023 Conference in Rotterdam, the Netherlands. Roundtable discussion: Finding common ground through journalism, Panel moderator: Felicity Mellor, Panel members: Jane Gregory, Susan Swanberg and An Nguyen.
- 2 **Swanberg, S.E.** (2021). "Eugenics Sifted': "Waldemar Kaempffert of the *New York Times* Examines the American Eugenics Movement," *American Journalism Historians Association Annual Meeting*, Research in Progress presentation, October 9, 2021 (virtual).
- 3 **Swanberg, S.E.** (2021). Susan E. Swanberg (University of Arizona, U.S.A.), "Ester Blenda Nordström: *En Tidningskvinna Bland Tidningskvinnor* (A Newswoman Among Newswomen)," The Fifteenth International Conference for Literary Journalism Studies (IALJS-15) May 22, 2021 (virtual).
- 4 **Swanberg, S.E.** (2021). "Ester Blenda Nordström: Sweden's Henry David Thoreau?" 42nd Southwest Popular/American Culture Association (SWPACA2021) in Albuquerque, New Mexico. Panelist and presenter on February 24, 2021.
- 5 Kolodij, N.[§] and **Swanberg, S.E.** (2020). "Art and Music as a Means of Conveying Information About the State of the Planet," Southwest Popular/American Culture Association (SWPACA2020) in Albuquerque, New Mexico. Panelists, conference paper presenters on February 22, 2020. § = student collaborator
- 6 **Swanberg, S.E.** (2019). "The Way of the Rain Goes 'Viral': A Nineteenth-Century Environmental Poem Travels from Settlement-Era North America to South Australia," Southwest/American Popular Culture Association 40th Annual Conference in Albuquerque, New Mexico. Panelist and presenter on February 22, 201
- 7 **Swanberg, S.E.** (2019). "'Well-bred and Well-fed,' The Science News-Letter's Coverage of Eugenics from 1924 to 1965," presented at the Joint Journalism and Communication History Conference in New York, New York. Panelist and presenter on March 9, 2019.
- 8 **Swanberg, S.E.** (2019). "Reclaiming the Narrative: Social Movements & Strategies of Representation," Joint Journalism and Communication History Conference, New York, NY. Moderated panel on March 9, 2019.
- 9 **Swanberg, S.E.** (2018). "Wounded in Mind: Marjorie Van de Water of the Science Service and her Campaign for Humane Treatment of Battle-Weary World War II Soldiers," History of Science Society Annual Meeting in Seattle, Washington. Panelist and presenter on November 2, 2018. <https://tinyurl.com/yajeg6us>
- 10 **Swanberg, S.E.** (2018). "Paper Session: Looking Back, Looking Forward: Lessons for the Future," American Journalism Historians Association Annual Meeting, Salt Lake City, Utah. Moderator October 5, 2018.

Conferences/Scholarly Presentations (cont.)

- 11 **Swanberg, S.E.** (2018). "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 presented at the American Journalism Historians Association meeting, Salt Lake City.
- 12 **Swanberg, S.E.** (2018). "Farming Outside the Lines: Rain Follows the Plow in 21st Century Art and Popular Culture," Society for Social Studies of Science Annual Conference in Sydney, Australia. Panelist and presenter on August 31, 2018.
- 13 **Swanberg, S.E.** (2018). "Pseudoscience in Popular Culture – A Musical Conversation," Society for Social Studies of Science Annual Conference, Sydney International Convention Center Sydney, Australia. Provided historical perspective on August 31, 2018.
- 14 **Swanberg, S.E.** (2018). "Preserving the Desert Bighorn Sheep: A Literary Journey," presented at the Thirteenth Conference for Literary Journalism Studies (IAJLS-13), Austrian Academy of Sciences, Vienna, Austria. Panelist and presenter May 2018.
- 15 **Swanberg, S.E.** (2018). "Social, Political, and Economic Theory as Policy 'Relevance-Makers' for Environmental History," Annual Conference - American Society for Environmental History, Riverside, California. Presenter March 17, 2018.
- 16 **Swanberg, S.E.** (2018). "Psychological Armor: The Science Service Warns Against the Dangers of Propaganda in its Science News-Letter (1929-1965)," Joint Journalism and Communication History Conference (JJCHC) at New York University, New York. Panelist and presenter on March 10, 2018.
- 17 **Swanberg, S.E.** (2018). "War Part II: From Nuclear War to ISIS," Joint Journalism & Communication History Conference (JJCHC) at New York University, New York City. Moderator on March 10, 2018.
- 18 **Swanberg, S.E.** (2018). "Rain Follows the Plow: A Debunked Nineteenth Century Theory of Climatology Still Reverberates in Popular Culture," Ecocriticism Section Southwest Popular/American Culture Association 39th Annual Conference in Albuquerque, New Mexico. Panelist and presenter on February 10, 2018.
- 19 **Swanberg, S.E.** (2017). "Writing Under the Influence: John Hersey and the Writings of John A. Siemes, S.J.," in Worldwide War Coverage in the 20th Century, International Conference for Literary Journalism Studies (IALJS-12), Halifax, Nova Scotia, Canada. Panelist May 2017.
- 20 **Swanberg, S.E.** (2017). "Borrowed Chronicles: New York Times Science Journalist William L. 'Atomic Bill' Laurence and the Reports of a Hiroshima Survivor," Legacies of the Manhattan Project at 75 Years conference in Richland, Washington. Panelist & presenter, March 16, 2017.
- 21 **Swanberg, S.E.** (2017) Presentation about War Department propagandist, William L. 'Atomic Bill' Laurence,' in "The Trouble with Propaganda, Joint Journalism and Communication History Conference (JJCHC)" at New York University, New York. Panelist and presenter on March 11, 2017.

Conferences/Scholarly Presentations (cont.)

- 22 **Swanberg, S.E.** (2017). "Walt Disney's 'The Living Desert': Documentary or Docufiction?" Ecocriticism Section Southwest Popular/American Culture Association 38th Annual Conference in Albuquerque, New Mexico. Panelist and presenter February 2017.
- 23 **Swanberg, S.E.** (2016). "Half-life: New York Times science journalist William L. 'Atomic Bill' Laurence, Propagandist for the Atomic Age," research in progress presented at the American Journalism Historians Association meeting in St. Petersburg, Florida, 2016.

Abstracts Submitted/Conferences Cancelled due to pandemic

- 1 Fuchs, L. § and **Swanberg, S.E.** (2020). "Defining the Role of Science Journalism in an Era of Change: Science Service Reports on Darwin, the Scopes Trial and Developmental Embryology," Joint Journalism and Communication History Conference (JJCHC2020). Abstract accepted, however the conference was cancelled due to the pandemic.
§=student collaborator
- 2 **Swanberg, S.E.** (2020). "Averill Liebow: A Physician Observes and Translates the Aftermath of the Manhattan Project." Abstract submitted for consideration by the organizers of the Legacies II: The Manhattan Project and its Afterlives conference to be held in Hanford, Washington in fall 2020. Conference cancelled due to the pandemic.

Awarded Grants and Contracts While in Rank

Swanberg, S.E. (2024). Contract to write a book chapter titled, "When You Can't Interview Nature: The Nature Writer as a Literary Journalist," to be published in *The Literary Journalist as a Naturalist*, part of the book series: Palgrave Studies in Literary Journalism (PSLJ).

Swanberg, S.E. (2022). Contract to write a book chapter titled, "Science Service and the Origins of Science Journalism in the United States," to be published in - *Insights on Science Journalism*, part of the Routledge Insights Series (Edited by Felicity Mellor). Forthcoming in spring of 2024.

Swanberg, S.E. (2021). Cold Spring Harbor Laboratory Research Travel Grant for project titled: "The Rise and Fall of Davenport's Dream: The De-funding of the Eugenics Record Office." Awarded \$1000 to cover the cost of travel and lodging/meal expenses associated with travel to CSHL to conduct archival research.

Swanberg, S.E. (2015). (Co-P.I. - 90%) and Schwalbe, Carol (P.I. - 10%), National Association of Science Writers (NASW) grant. Awarded \$13,000 to put on workshop titled "With Conviction: Reporting on Science in the Courtroom."

Extent of Teaching & Teaching Service

Note: I taught nine sections of JOUR 205 (reporting the news) between 2015 and 2020. I became tenured and was promoted to associate professor in April of 2022. I have prepped a total of thirteen courses while at the UA School of Journalism – see course descriptions.

**Junior sabbatical or Udall fellowship*

***Promotional sabbatical – Spring 2023*

Fall 2024 – total of 13 grad/11 undergrad (24 students)

Issues in Covering Science and the Environment (JOUR 465/565), 12 /8 students.

Honors Thesis (JOUR 498H – Independent Study) 1 undergraduate student.

Master's Report (JOUR 909 – Independent Study) 1 graduate student

Honors Thesis (PSIO 498H – Independent Study) 1 undergraduate student

Spring 2024 – total of 46/22 (68 students) I taught an overload this semester.

Scientific Misinformation, Disinformation, Media and the Public GLO 465/565 (30/9 students)

Environmental Journalism JOUR 455/555 (16/3 students)

International and U.S. Media Law JOUR 509 (10 students)

Fall 2023 – total of 34/23 (57 students)

Digital Media Law in a Global Context: Frameworks & Perspectives GLO 480/580 (23/15 students)

Science Journalism JOUR 472/572 (10/5 students)

Independent Study JOUR 599 (3 students)

Independent Study JOUR 399 (1 student)

Fall 2022 – total of 49 students

Dissertation (Independent Study) ARL 920 (1 student)

Digital Media Law in a Global Context: Frameworks and Perspectives GLO 480/580 (19/8 students)

Environmental Journalism JOUR 455/555 (14/5 students)

Master's Report JOUR 909 (2 students)

Spring 2022 – total of 103 students

Ethics and Diversity in the Newsroom JOUR 439/539 (98/2 students)

Dissertation (Independent Study) ARL 920 (1 student)

Master's Report JOUR 909 (2 students)

Fall 2021 – total of 31 students

Science Journalism JOUR 472/572 (12/4 students)

Journalism Theory and Practice JOUR 508 (14 students)

Independent Study JOUR 599 (1 student)

Spring 2021 – total of 31 students

Environmental Journalism JOUR 455/555 (12/7 students)

International and U.S. Media Law JOUR 509 (10 students)

Independent Study JOUR 599 (2 students)

Extent of Teaching & Teaching Service (cont.)

Fall 2020 – total of 40 students

Reporting the News JOUR 205 (20 students)

Issues in Covering Science and the Environment JOUR 455/555 (10/7 students)

Honors Thesis JOUR 498H (1 student)

Independent Study JOUR 599 (2 students)

Spring 2020 – total of 40 students

Reporting the News JOUR 205 (20 students)

Environmental Journalism JOUR 455/555 (11/7 students)

Independent Study JOUR 599 (2 students)

Master's Report JOUR 909 (1 student)

Fall 2019 – total of 40 students

Reporting the News JOUR 205 (20 students)

Science Journalism JOUR 472/572 (17 students)

Independent Study JOUR 599 (3 students)

Spring 2019 – total of 36 students

Environmental Journalism JOUR 455/555 (13/6 students)

International and U.S. Media Law JOUR 509 (14 students)

Independent Study JOUR 488H (1 student)

Independent Study JOUR 599 (2 students)

**Junior sabbatical or Udall fellowship*

Fall 2018 –total of 2 students*

Independent Study JOUR 498H (1 student)

Independent Study JOUR 599 (1 student)

*Spring 2018**

Fall 2017 – total of 33 students

Reporting the News JOUR 205 - section 02 (19 students)

Reporting the News JOUR 205 - section 03 (14 students)

Spring 2017 – total of 30 students

Environmental Journalism JOUR 455/555 (17/2 students)

International and U.S. Media Law JOUR 509 (10 students)

Independent Study JOUR 599 (1 student)

Fall 2016 – total of 38 students

Reporting the News JOUR 205 - section 02 (19 students)

Reporting the News JOUR 205 - section 03 (19 students)

Spring 2016 – total of 31 students

Reporting the News JOUR 205 - section 01 (15 students)

Reporting the News JOUR 205 - section 05 (15 students)
Independent Study JOUR 599 (1 student)

Fall 2015 – total of 21 students

Science Journalism JOUR 472/572, 14/7 students

Course Descriptions

ARL 920 Dissertation (Graduate) - Research for the doctoral dissertation (whether library research, laboratory or field observation or research, artistic creation, or dissertation writing).

GLO 480/580 Digital Media Law in a Global Context: Frameworks and Perspectives (This course may be co-convened.) This course will take you on a global journey through the law of digital communications, including but not limited to free speech v. hate speech, intellectual property, defamation, privacy, the right to be forgotten, access to information, media regulatory mechanisms and frameworks promulgated by governmental bodies as well as those regulatory mechanisms and frameworks used by non-governmental bodies (such as the platform "law" concept used by Facebook and Twitter.) You will learn about comparative historical and theoretical legal concepts important to media professionals and responsible digital citizen-scholars.

GLO 465/565 Scientific Misinformation and Disinformation Media and the Public

In this course we will explore science disinformation, misinformation, the media, and the public. We will begin by examining the hallmarks of science (as compared to pseudoscience and non-science) including the concept of falsifiability. Next, we will discuss the "public understanding of science" and why it is important. We will also study historical examples of science mis/disinformation including the ill-informed 19th century theory of climatology called "rain follows the plow," the early twentieth century eugenics movement, the Andrew Wakefield autism/vaccine controversy, and other instances of pseudoscience or non-science masking as real science. You will learn about the science of science communication and why people are vulnerable to science mis/disinformation. You will read about and discuss modern problems that impact our understanding of science including the use of pre-print servers where scientific information that has not yet been peer-reviewed is published. We will discuss why some members of the public do not trust experts and expertise and you will learn for yourself hallmarks to look for in distinguishing scientific experts from non-experts. You will also learn how to speak to science deniers and others who question the reliability and accuracy of scientific information. You will cultivate scientific habits of mind and develop a toolbox of tips, tools, and skills with which you can arm yourself against science dis/misinformation.

JOUR 909 Master's Report (Graduate) - Individual study or special project or formal report thereof submitted in lieu of thesis for certain master's degrees.

JOUR 599 Independent Study (Graduate) - An extended exploration of a journalistic topic under supervision of a full-time faculty member. The project can take many forms – research paper, investigative news stories, photo essay, broadcast documentary or online report. Note: The syllabus for a specialized independent study course which I developed concerning the science of science communication is attached as an appendix to dossier section 6B.

JOUR 508 Journalism Theory and Practice (Graduate) – This course introduces graduate students to the major theories related to the critical study of the media. Fieldwork may include publication of

conclusions. Requirements include a major research paper. Note: This is a new prep for me for fall of 2021. The course is in progress.

JOUR 509 International and U.S. Media Law (Graduate) - Basic legal concepts for media in an international and U.S. context, including access to courts, public records, and meetings; subpoenas and shield laws; prior restraint; libel; privacy; source confidentiality; intellectual property; obscenity; and broadcast regulations.

Course Descriptions (cont.)

JOUR 498H Honors Thesis (Undergraduate) - An honors thesis is required of all the students graduating with honors. Students ordinarily sign up for this course as a two-semester sequence. The first semester the student performs research under the supervision of a faculty member; the second semester the student writes an honors thesis.

JOUR 472/572 Science Journalism - (Writing emphasis. This course may be co-convened) - This applied course covers the fundamental elements of producing news reports about science events and issues. We will examine the principles of journalism, the scientific process and the differences between science journalism and science communication.

JOUR 465/565 Issues in Covering Science and the Environment (Writing emphasis. This course may be co-convened) - This course introduces students to the professional, legal, economic, and ethical factors that affect the science news agenda and the work of science journalists. Readings, case studies and discussions will look at issues of balance, scientific uncertainty, accuracy, and ethical codes for science journalists.

JOUR 455/555 Environmental Journalism (Writing emphasis. This course may be co-convened) - This applied course teaches you to write compelling, substantive stories that illuminate environmental subjects, trends, and issues, often in human terms. This course emphasizes the role of the environmental journalist not as an advocate but as a reporter who accurately and fairly reports the news.

JOUR 439/539 Ethics and Diversity in the News Media - Analysis of ethical theory and how it relates to journalists' roles and responsibilities in a democratic society. Case studies involve questions of bias, accuracy, privacy, and national security (This course may be co-convened.)

JOUR 205 Reporting the News - (Journalism/Newsriting. Undergraduate) - Gathering, evaluating, and writing news. Completion of this course with a grade of C or better also satisfies the Mid-Career Writing Assessment (MCWA) requirement.

Student Evaluations

TCEs available in UA Vitae

Individual Student Contact

Collaborations

Nina Kolodij (graduate student) - conference abstract, paper, and presentation for 2020 Southwest Popular/American Culture Association (SWPACA) annual meeting

Laura Fuchs (graduate student) - conference abstract [2020 Joint Journalism and Communication History (JJCHC) Conference cancelled due to pandemic.]

Matt Roby (Ph.D. student from Natural Resources and the Environment) – co-authored scholarly book review

Advising

1 One-on-one conferences with all students in each course from 2015-2021. Total one-on-one conferences between 2015 and 2023: ~350

2 First Generation Club - 2019-2020 (paused from spring 2020 after the spring break to the present)

Honors contracts supervised - in person

1 Haley Epstein - Journalism 205, Reporting the News (fall 2019).

2 Tommie Huffman - Journalism 455/555, Environmental Journalism (spring 2019).

3 Samantha Franks - Journalism 205, Reporting the News (fall 2016).

4 Addeline Stansbury - Journalism 205, Reporting the News (fall 2016).

5 Corinna Tellez - Journalism 205, Reporting the News (fall 2016).

6 Carly Oseran - Journalism 205, Reporting the News (fall 2016).

7 Xiara Rodriguez - Journalism 205, Reporting the News (fall 2016).

Completed Honors Theses Supervision – Completed or in progress

Marissa Heffernan – in person, Fall 2018 – Spring 2019

Sam Burdette – via Zoom, Fall 2020 – Spring 2021

Madison Farwell – Fall 2024 – in progress

Ally Anderson – Fall 2024 – in progress

Independent studies directed and in progress

Elizabeth Shelby Eaton - directed

Riley Nicole Versfelt - directed

Nina Kolodij - directed

Pamela Pelletier – directed (3 semesters)

Laura Fuchs - directed

Matt Roby - directed

Rebecca Thompson - directed

Davina Dobbins - directed

Katya Mendoza - directed

Sarah Blomquist – directed – student’s article published in *Journal of the Southwest*, Winter 2022.

Alex Sielaff – JOUR599 directed in fall 2023

Paula Redman – JOUR 599 directed in fall 2023

Kelsey Nilles – JOUR 599 directed in fall 2023

Lindsey Johnson – JOUR 399 directed in fall 2023

Service on dissertation and master's committees

- 1 Project Advisor, Zoe Lambert's Master's Project Fall 2024 - continuing.
- 2 Project Advisor, Katya Mendoza's Master's Project 2020-2022.
- 3 Project Advisor, Madison Beal's master's Project. 2020-2022
- 4 Project Advisor, Kynzie Watahomigie's master's Project. 2020-2022
- 5 Project Advisor, Emma Brocato's master's Project. A portion of Ms. Brocato's master's project, titled "How an ecologist from Nogales is using fire to protect forests in Tucson," was published in *AZ Luminaria* on May 4, 2023 at <https://azluminaria.org/2023/05/04/how-an-ecologist-from-nogales-is-using-fire-to-protect-forests-in-tucson/>
- 6 Member, thesis committee of Andrea Morabito, 2022-2023.
- 7 Member, thesis committee of Shawn Burrage, 2022-2023.
- 8 Member and co-chair, dissertation committee of Pamela Pelletier – UA Arid Lands (fall 2020 – spring 2023). Dissertation title: *Igniting Minds through Novel Approaches to Science Communication* (2023)
- 9 Member, dissertation committee of Rebecca Thompson – UA Applied Intercultural Arts Research Graduate Interdisciplinary Program (fall 2020 – spring 2023). Dissertation title: *The Utilization of Biophilic Arts Within Healthcare Settings: A Descriptive Case Study*, Thompson, Rebecca L. ; contributors: Weiser, Peg; Shorb, Terril; Swanberg, Susan E.; Shin, Ryan; (2023).
- 10 Chair/adviser master's project committee of Nina Kolodij – UA Journalism (master's defense – spring 2020, Title: "Speaking Science-ese: The science of science communication.")
- 11 Affiliate member, master's project committee of Lauren Trench – UA Journalism (master's defense – fall 2019), Topic: Ironwood Forest National Monument.
- 12 Member, dissertation committee of Matthew Roby (journalism minor advisor). Dissertation Title: *Controls on Land-Air Carbon and Water Exchange in Semiarid Ecosystems* (2021).
- 13 Member, dissertation committee of Patti Piburn – ASU Journalism (2018-present)
Topic: Yellow Journalism in Western Newspapers.
- 14 Member, master's thesis committee of Emily Ellis – UA Unit (graduated in 2018).
Title: "Fear and Othering: U.S. Media Framing of the 2009 Swine Flu Virus in Mexico."
- 15 Member, master's thesis committee of Mikayla Mace – UA Unit (graduated in 2017).
Title: "Newspaper Coverage of Mars in the United States and the United Kingdom, 2011-2016."
- 16 Chair, master's thesis committee of Alexandra Adamson – UA Unit (graduated in 2016).
Title: "That's So Last Season: Fashion Trend Agenda Setting by Bloggers or Journalists During the Summer of 2016."

Contributions to Instructional Innovations and Collaborations

- 1 **Swanberg, S.E.** 2023-2024. Worked with journalism librarian, Mary Feeney, on developing lessons using primary historical sources (historical newspapers).
- 2 **Swanberg, S.E.** (2024). Supervising postdoc, Pamela Pelletier (Outreach Coordinator for Laboratory of Tree Ring Research) who is presenting a teaching module on multimedia for JOUR 455/555 Environmental Journalism.
- 3 **Swanberg, S.E.** 2018. "From the Trenches: Developing a Productive, Satisfying Mentor Relationship," In *Master Class – Teaching Advice for Journalism and Mass Communication Instructors*, ed. Chris Roush (New York: Rowan and Littlefield, 2018), 136.
- 2 **Swanberg, S.E.** 2017. "Notes From An Undercover Literary Journalism Fan: Using techniques from science writing classes to help students see," In *Literary Journalism, The Newsletter of the International Association of Literary Journalism Studies* 11(3): 24,11.
- 3 Collaborated with AZPM on "SciView," an Arizona Illustrated program about seven student journalists in my fall 2015 science journalism class. Show aired on May 5, 2016. YouTube link to broadcast: <https://www.youtube.com/playlist?list=PLSqm7j7SiXzGf9sUKrhJ8pHxeceqXX-la>
- 4 Collaborated with the *Arizona Daily Star* on a reporting project in which my fall 2015 science journalism students reported about the College of Social and Behavioral Science Lecture Series on Immortality. Five students each attended one of the five lectures and, under my supervision, wrote and published a story about the lecture.
- 5 Collaborated with the College of Science and James E. Rogers College of Law to put on a workshop about forensic science called "With Conviction: Reporting on Science in the Courtroom." September 26, 2015.

Course Development

- 1 Prepared syllabus and engaged in online course development for GLO 465/565 Science Misinformation, Disinformation, Media, and the Public (Summer of 2023).
- 2 Prepared a syllabus and engaged in online course development for GLO 480/580 Digital Media Law in a Global Context: Frameworks and Perspectives (Summer of 2022).
- 3 Developed a syllabus for a new online Global Media Studies Course (3 units) – GLO 480/580 Digital Media Law in a Global Context: Frameworks and Perspectives (2021).
- 4 Developed a syllabus for a new online Global Media Studies Course (3 units)– GLO 465/565 Science Misinformation, Disinformation, Media, and the Public (2021).
- 5 Developed a syllabus for JOUR 599 (3 units) – Independent Study in the Science of Science Communication (2019).
- 6 Developed a syllabus for Jour 509 (3 units) – Media law (2017).

Course Development (Cont.)

- 7 Developed a syllabus for JOUR 508 (3 units) Journalism Theory and Practice
- 8 Developed a syllabus for Jour 472/572 (3 units) – Science Journalism (2015).
- 9 Developed a syllabus for JOUR 465/656 (3 units) – Issues in Covering Science & the Environment (2020).
- 10 Developed a syllabus for JOUR 455/555 (3 units) – Environmental Journalism (2017).
- 11 Developed a syllabus for Jour 205 (3 units) – Reporting the News (2016).

Teacher Training - Facilitated by UA Office of Instruction and Assessment and/or University Center for Assessment, Teaching & Technology

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| 2023 | Developed online course – GLO 465/565 Science Misinformation, Disinformation, Media, and the Public with coaching by Laura Smith, Instructional Design Manager, University Center for Assessment, Teaching & Technology |
| 2022 | Developed online course – GLO 480/580 Digital Media Law in a Global Context: Frameworks and Perspectives with coaching by Laura Smith, Instructional Design Manager, University Center for Assessment, Teaching & Technology |
| 2015 | UA OIA Just in Time Workshop
How can I get my class off to a good start?
Facilitated by UA Office of Instruction and Assessment |
| 2015 | UA OIA Just in Time Workshop
How can I build a useful syllabus in D2L?
Facilitated by UA Office of Instruction and Assessment |
| 2015 | UA OIA Just in Time Workshop - What do new instructors need to know about D2L? |

Miscellaneous Mentoring

- 1 Advised Sarah Blomquist on writing/editing her story published in *Journal of the Southwest*, Winter 2022.
- 2 Women in STEM Mentorship Program (2019-2020, 2023).
- 3 Adviser, First-Generation Club for Student Journalists, UA School of Journalism (Fall 2017, Fall 2019, Spring 2020).
- 4 Mentor and/or presenter - Dow Jones Newspaper Fund, Diversity in Journalism Workshop for Arizona High School Students at the University of Arizona (2012-2019).

- 6 Science writing mentor, "Journal of Young Investigators, the Premier Undergraduate Science Journal," (2014-2015). Note: I'm still listed as a mentor for the JYI.