

# Dr. E. A. (Allen) Driggers

Department of History  
Tennessee Technological University  
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## **PROFESSIONAL**

Associate Professor of History	August 2020-Present
Assistant Professor of History	August 2015-July 2020
<b>Tennessee Technological University</b>	
Cookeville, Tennessee	

## **EDUCATION**

University of South Carolina, Columbia, South Carolina	August 2015
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### **Ph.D. in History**

Concentration: History of Science, Technology, Environment, and Medicine (STE)

Dissertation: "Boundary Stones: Morbid Concretions and the Chemistry of Early Nineteenth Century Medicine."

Readers: Ann Johnson, Joseph November, Allison Marsh, and Christopher Hamlin (Notre Dame)

University of South Carolina, Columbia, South Carolina	May 2010
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### **Master of Arts in History**

Thesis: "'A Useful Hint': Edward Darrell Smith and the Urological Community of the Nineteenth Century"

North Carolina State University, Raleigh, North Carolina	May 2008
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### **Bachelor of Arts in History, Bachelor of Arts Women's and Gender Studies**

*Summa cum Laude, Phi Beta Kappa*

## **HONORS**

Tennessee Technological University	<b>Challenge Coin</b>	Fall 2019
Tennessee Technological University	<b>Challenge Coin</b>	Spring 2018
North Carolina State University	<b>Honors in Women's and Gender Studies</b>	Spring 2008
North Carolina State University	<b>Honors in History</b>	Spring 2008
North Carolina State University	<b>Hobb's Award for Historical Curiosity</b>	Spring 2008
North Carolina State University	<b>Phi Alpha Theta</b>	Spring 2007
North Carolina State University	<b>Phi Beta Kappa</b>	Spring 2007

## **PUBLICATIONS**

### **ACADEMIC PUBLICATIONS**

#### **BOOKS PUBLISHED**

*Early Nineteenth Century Chemistry and the Analysis of Urinary Stones*. Springer: New York, July 14, 2023. Published in *Perspectives in the History of Chemistry*. 978-3-031-34972-0; Hardcover, softcover, and e-book: <https://link.springer.com/book/10.1007/978-3-031-34973-7#about-this-book>

#### **BOOKS FORTHCOMING**

*“Glamour and Geology:” Image, Imagination, and Women in Petroleum Geology* (Under Contract with Springer Nature), Forthcoming September 30, 2024: ISBN: 978-3031645242

#### **BOOK PROPOSALS SUBMITTED**

*Medico-Colonialism: Intellectual Societies and British Imperialism in South Asia*. Book proposal submitted to University of Liberal Arts Bangladesh Press. Positive editorial review; awaiting press board vote. Planned book will be published in English and Bengali.

*Inflammation: A Chemical Biography*. Awaiting feedback from Springer

#### **ARTICLES**

Laura Elizabeth Smith, **Allen Driggers** & Cheyenne L. Douthitt. History, Politics, and Variolation Vaccination Hesitancy in the American South during the American Civil War. *Baylor University Medical Center Proceedings* (2024): DOI: [10.1080/08998280.2023.2295824](https://doi.org/10.1080/08998280.2023.2295824)

Laura Elizabeth Smith and **E. A. Driggers**, “Science and the “Emancipation of the Mind:” Dreams, the Mind, and Slavery,” *Journal of Sleep Research*, PMID: 37555471 and DOI: 10.1111/jsr.13995 (early epublish).

Laura Elizabeth Smith and **E. A. Driggers**, ‘Ex Pede Herculem’: Sloths, Slavery, and Southern Fossil Collection in the Nineteenth Century, *Earth Science History* 42 (2023): 63-83.

“Francis Peyre Porcher’s “Resources of the Southern Fields and Forests:” Botany, the American Civil War, and the Limits of Regional Analysis” in the *South Carolina Historical Magazine* 121 (2020): 31-53.

“...[T]he movement of a celestial system than a human invention:” Abram Blanding and bringing water to Columbia,” *Water History* (2022): DOI.10.1007/s12685-021-00294-4

“‘The voice of the stomach:’ The Mind, Hypochondriasis, and Theories of Dyspepsia in the Nineteenth Century” *History of Psychiatry* 32 (2021): 85-99. DOI: 10.1177/0957154X20970749. Epub 2020 Nov 11. PMID: 33176503.

“‘A clue in a labyrinth:’ The medico-chemistry of the stone in the life of Edward Darrell Smith,” *Journal of Medical Biography* 28 (2020): 232-245. DOI: 10.1177/0967772018786706 and PMID: 30179063

“The Chemistry of Blackness: Benjamin Rush, Thomas Jefferson, Everard Home, and the Project of Defining Blackness through Chemical Explanations,” *Critical Philosophy of Race* 7 (2019): 372-391. DOI: 10.5325/critphilrace.7.2.0372

“Experiencing a Research Topic,” *Journal of Reflective Inquiry* 1 (2015).

### **ARTICLES UNDER REVIEW**

Laura Elizabeth Smith and **E. A. Driggers**, “Dry Cupping: Slave Medicine and Medical Philosophy in the Nineteenth Century.” Given revise and resubmit at *Journal of Medical Humanities*; revisions submitted December 2023.

### **BOOK REVIEWS**

"Uroscopy in Early Modern Europe," *Ambix* 63 (2016): 188–189. DOI: 10.1080/00026980.2016.1227167 and PMID: 30463489

### **UNDERGRADUATE RESEARCH FUNDING (CISE) AND AWARDS**

2023	Grady Cox, Scott Moss, CO-PI with Dr. Laura Elizabeth Smith
2022	Cheyenne L. Douthitt, CO-PI with Dr. Laura Elizabeth Smith
2020	Ungraduated Research Day Award—History Winner: Kaitlynn Marshall
2022	Ungraduated Research Day Award—History Winner: Summer King
2023	Ungraduated Research Day Award—History Winner: Cheyenne L. Douthitt

### **ACADEMIC CONFERENCE PRESENTATIONS**

March 2024	Elvis, Racquetball, and the Chemistry of Inflammation. Accepted for Southern Association for the History of Medicine (SHAMS) in Winston-Salem, North Carolina at Wake Forest University School of Medicine.
October 2023	“Inflamed Bodies of the Nineteenth Century,” Ohio Valley Historical Conference at Western Kentucky University in Bowling Green, Kentucky.
March 2023	“The Science of Sleep and Slavery,” Southern Association for the History of Medicine in Atlanta, Georgia

November 2021	Roundtable in Disability and the History of Science, History of Science Society Meeting, New Orleans, LA. Conference moved online and a video message was submitted in place of attendance.
October 21, 2020	<i>"Resources of the Southern Fields and Forests: Botany, the American Civil War, and the Limits of Regional Analysis,"</i> Science History Institute, Online Talk.
March 6, 2020	"The Stone and India: British Medical Societies and the History of Urinary Stones in Early Nineteenth Century India," New Orleans, Louisiana
February 7, 2020	Panel Chair and Participant. Paper presented, "'Stones and Dialogues: Indian and British Physicians Treating the Stone in Nineteenth Century India,'" South Central Conference on Eighteenth Century Studies," Saint Augustine, Florida.
November 8, 2019	"The Stone and India: British Medical Societies and the History of Urinary Stones in Early Nineteenth Century India," Southern Conference on British Studies, Louisville, Kentucky.
October 4, 2019	"Mind and Guts: Intestinal Illness and Its Many Explanations at the Turn of the Nineteenth Century," and Panel Organizer "Reconceptualizing the Body: Thinking Through Medicine in the Long Nineteenth Century," at Ohio Valley Historical Conference, Frankfort, Kentucky.
March 14, 2019	"History of IBS (Irritable Bowel Syndrome)," Southern Association for the History of Medicine and Science, Charlottesville, Virginia.
November 9, 2018	"Friendship and Stones: Surgical and Chemical Collaborations to Understand the Problem of the Stone," Southern Conference on British Studies/Concurrent Conference at the Southern Historical Association Annual Meeting, Birmingham, Alabama.
November 6, 2018	"Augusta Hasslock Kemp: Women, Geology, and the West," Geologic Society of American Annual Meeting (International Conference), Indianapolis, Indiana.
February 23, 2018	"Sprawling Hypochondriasis" in the panel "Madness and Medicine in the Long Eighteenth Century," South Central Society for Eighteenth Century Studies, Oxford, Mississippi.
October 8, 2016	"The Chemistry of Race?" 2016 Ohio Valley Conference at Tennessee Technological University, Cookeville, Tennessee.
July 21, 2016	"Boundary Stones: Morbid Concretions and the Chemical Revolution of the Late Eighteenth Century," at the Mutter Museum in Philadelphia, Pennsylvania.

- April 29, 2015 “Women and the Operation for the Stone” at Pennsylvania Hospital History of Women’s Health Conference in Philadelphia, Pennsylvania.
- October 24, 2014 “Edward Darrell Smith and the Chemical Treatment of Urinary Stones” at the Chemical Heritage Foundation in Philadelphia, Pennsylvania.
- June 18, 2014 “Networks of Nature: Chemistry and the Revision of Humoral Theory at the turn of the Nineteenth Century” at Mutter Museum in Philadelphia, Pennsylvania.
- November 23, 2013 “Medical Practice and the Measurement of Nature,” History of Science Society Annual Meeting in Boston, Massachusetts.
- February 23, 2013 “The Botanical Writings of Francis Peyre Porcher” at Southern Association for the History of Medicine and Science Annual Meeting in Charleston, South Carolina.
- October 12, 2012 Invited Comments on: “Earthsickness: Circumnavigation and the Terrestrial Human Body, 1520-1800,” History Center, University of South Carolina.
- November 9, 2011 “A Brief History of Catalysis and Its Interested Parties” at S-Net: Society for the Study of Nanoscience and Emerging Technologies in Tempe, Arizona. Paper was read by proxy as I was hospitalized.
- July 2, 2011 “Author Meets Critics: Janet A. Kourany’s ‘Philosophy of Science after Feminism’” at Research in its Technological Setting Conference at ZIF, University of Bielefeld, Bielefeld, Germany.
- March 6, 2010 “19th Century Urological Thought” at Southern Association for the History of Medicine and Science Annual Meeting in Louisville, Kentucky.

### **MANUSCRIPTS REVIEWED**

Reviewed “Crystalizing Techniques: Sample Preparations, Technical Knowledge, and the Characterization of Blood Crystals, 1840-1909” for *History and Philosophy of the Life Sciences* 2024

Reviewed *Theories of Technology: A Scientific Perspective* by Dr. Steven James Pearce for Wiley Press in 2023

Reviewed Judith Sumner's "Green, Blue, and Gray: A Botanical History of the American Civil War, 1861-1865" for the University of Georgia Press in 2021

"Medical Management of Urolithiasis in the Middle Ages: Thesaurus Pauperum of Pope John XXI" for *Journal of Medical Biography* (2019)

"Alexander Ure, MD, FRCS, and the birth of drug metabolism" for *Notes and Records: The Royal Society Journal of the History of Science* (2017)

### **PROFFESIONAL LEADERSHIP**

Executive Council for Southern Conference on British Studies, November 2019-Novmber 2023  
Tech Chair at Southern Conference on British Studies, November, 2020, Online Conference

### **COURSES TAUGHT AT TENNESSEE TECHNOLOGICAL UNIVERSITY**

#### **UNDERGRADUATE**

History 1310: Science in World Cultures (Also Online\*)  
History 4810: Scientific Controversies  
History 4660: Modern British History  
Independent Study (Monstrosity in Early Modern Europe)  
History 2010: US History to 1877 (Also Online\*)  
History 4650: British History to 1688  
Independent Studies (Science and Technology in the Early Republic)  
Independent Studies (Monstrosity in Early Modern Europe)  
Independent Studies (Writing the History of Nursing)  
Independent Studies (Engineering Ethics)  
Independent Studies (History of Pain Management)  
HON 4013/HIST 4890: History of Nursing and Healthcare\*  
History 4880: History of Medicine\*  
History 3410 Historical Methods  
History 4993: Senior Seminar: Set the Table: The History of Food\*  
History 4690: British Empire and Commonwealth\*  
History 4990: History of India\*  
LIST 4299 Ethics and Technology\*  
HON Seminar Women and Science \*  
\*New Course Developed

### **GRANTS, TRAVEL GRANTS, AND FELLOWSHIPS**

Science History Institute	<b>Library Travel Grant</b>	Summer 2024
Tennessee Technological University	<b>Dean's Travel Grant Award</b>	Spring 2024

Tennessee Technological University	<b>Dean's Travel Grant Award</b>	Fall 2023
Reynolds-Finley Library	<b>Library Travel Grant</b>	Summer 2022
Tennessee Tech	<b>Online Teaching Grant</b>	Fall 2019-Spring 2020
Mutter Museum	<b>Wood Institute Travel Grant</b>	Summer 2019
Mutter Museum	<b>Wood Institute Travel Grant</b>	Summer 2018
Chemical Heritage Foundation	<b>Travel Grant (Never Used)</b>	Summer 2018
Tennessee Higher Education Commission	<b>Improving Teacher Quality Grant (Co-PI)</b>	Summer 2018
Tennessee Technological University	<b>Provost Micro-Grant</b>	Fall-Spring 2016
Tennessee Technological University	<b>Faculty Research Committee</b>	Summer 2016- Spring 2017
Tennessee Technological University	<b>QEP Award, History of Nursing and Healthcare, with Melissa Geist</b>	Fall 2016
Mutter Museum	<b>Wood Institute Travel Grant</b>	July 2016
Tennessee Technological University	<b>Faculty Research Council Grant</b>	Spring-Fall 2016
Pennsylvania Hospital	<b>2015 History of Women's Health Conference Honorarium</b>	April 2015
Chemical Heritage Foundation	<b>Sidney M. Edelstein Dissertation Fellow</b>	2014-2015
Office of the Vice President for Research (USC)	<b>Support to Promote Advancement of Research And Creativity (SPARC) Fellowship</b>	Fall 2014
Mutter Museum	<b>Wood Institute Travel Grant</b>	Summer 2014

NSF/HSS	<b>Travel Grant (for annual meeting)</b>	Fall 2013
USC Graduate School	<b>Conference Travel Grant</b>	Fall 2013
Chemical Heritage Foundation	<b>Archival Research Support Grant</b>	Summer 2013
University of South Carolina	<b>Graduate Fellowship</b>	Fall 2008 – Spring 2014

## **PUBLIC HISTORY PUBLICATIONS AND INTERVIEWS**

“How to Talk About Difficult Issues in Medicine,” Mutter Museum Blog (*Fugitive Leaves*), October 19, 2018, [http://histmed.collegeofphysicians.org/how-to-talk-about-difficult-issues-in-medicine/?fbclid=IwAR2DEhQzJGI7Him\\_YGJ8xHAPPPcPqfjxhUlrNipfpP2KI\\_Fh1hVR0q0oDoU](http://histmed.collegeofphysicians.org/how-to-talk-about-difficult-issues-in-medicine/?fbclid=IwAR2DEhQzJGI7Him_YGJ8xHAPPPcPqfjxhUlrNipfpP2KI_Fh1hVR0q0oDoU)

Interview, “The World of Queen Victoria and Victoria Miniseries” WCTE radio, January 12, 2017

“Collections of Stones, Collections of Ideas,” Mutter Museum Blog (*Fugitive Leaves*), November 3, 2016: <http://www.collegeofphysicians.org/histmed/collections-of-stones/>

Interview, “TECHnovations,” Episode 15, Dr. Allen Driggers, October 22, 2015. Played on 91.7 FM (Tennessee NPR Member). <http://technovations.libsyn.com/technovations-episode-15-dr-allen-driggers>

## **DEPARTMENT, UNIVERSITY, AND COMMUNITY SERVICE**

Chair of Dean’s Study for Development and Travel Grant Fund for the College of Arts and Sciences (Fall-Summer 2023)

Faculty Research Committee (2016-Present)

\*Chair of Faculty Research Committee (2023-Present)

Financial Aide Committee (2018-Present)

\*Chair of Committee 2021 to present

Dean of Volpe Library Search Committee (2023-Present)

Phi Alpha Theta Faculty Advisor (2020-Present)

Southern Association of Colleges and Universities Accreditation Committee Member (2023-Present)

Quality Enhancement Program Committee Member (2023-Present)

Teacher Education Committee (2015-2020; 2023-Present)

Member of Promotion Committee for Full Professor for Troy Smith (2023)

Commission on the Status of Women, Tennessee Technological University (2017-2022)

\*Chair of Public Safety Committee, 2019-2022

Faculty Advisor, History Club (2017-2020)

Faculty Advisor, E-Sports Club (2016- 2020)



Teacher Education Committee (2016-2019)  
 Winchester Scholarship Committee (2017, 2018, 2019, 2021 and 2023)  
     \*Chair, 2017, 2023  
 Cookeville Rotary Member (2015-2019)  
 Treasurer and Membership Chair, AAUP (2017-2018)  
 Jones Scholarship Committee (2016)  
 Race and Ethnicity Studies Pamphlet Committee Chair (2022)  
 Commission on the Status of Blacks (2021-Present)  
 Departmental History Club (2017-2020)

### **COMMUNITY PRESENTATIONS**

August 21, 2017	“Eclipses of the Fifteenth Century,” STEM Mobile—Cookeville Eclipse Festivities, Cookeville, Tennessee
June 20, 2017	“Longest Day History,” STEM Center, Summer Solstice Night, Cookeville, Tennessee
April 26, 2017	“History of Polio” Cookeville Rotary, Cookeville, Tennessee
February 9, 2017	“Gender, Science, and Wikipedia,” at Tennessee Technological University STEM Center, Cookeville, Tennessee
December 7, 2017	“Boundary Stones: Chemistry and Medicine in Turn of the Nineteenth Century America and Britain” at Cookeville Rotary Meeting, Cookeville Tennessee
December 21, 2016	“The Longest Night and Calendars,” Tennessee Technological University STEM Center, Cookeville, Tennessee
November 8, 2015	“Virtues in Science and Engineering during the Renaissance Era,” Invited talk at Tennessee Technological University College of Engineering, Cookeville, Tennessee
February 29, 2016	“The Stone and the Humors: Medical Chemistry at the Turn of the Nineteenth Century,” invited talk to kick off Biochemistry Week at Tennessee Technological University, Cookeville, Tennessee

### **LANGUAGES**

English [native language]  
 French – Basic reading knowledge  
 Spanish – Basic reading knowledge  
 Latin – Basic reading knowledge

