



Volume 13, Number 1 (2020)

ISSN 1754-646X

- 1 Jim Scown
World-ecology ‘among the ooze’: *Our Mutual Friend* and the Chemistry of Sewage, Soils, and Circulation
- 18 Randall Stevenson
The Clockwork Man: Reification, Relativity and Redemption in 1920s Fiction
- 31 Rachel Fountain Eames
‘Snared in an Atomic Mesh’: Transcendent Physics and the Futurist Body in the Work of Mina Loy
- 50 Tim Gingrich
Weapon of Metaphorical Destruction: Fission and Fallout in Murakami’s *The Wind-Up Bird Chronicle*

Article Reviews

- 66 Daniel Ibrahim Abdalla
Review of Haley Larsen’s “‘The Spirit of Electricity’: Henry James’s *In the Cage* and Electric Female Imagination at the Turn of the Century.”
- 68 Kim Adams
Review of Agnes Malinowska’s “Charlotte Perkins Gilman’s Fungal Female Animal: Evolution, Efficiency, and the Reproductive body.”
- 70 Meindert E. Peters
Review of Sonja Boos’s “Reading Gestures: Body Schema Disorder and Schizophrenia in Kafka’s Modernist Prose.”

- 72 Ashlee Simon
Review of Christy Rieger’s “Chemical Romance:
Genre and Materia Medica in Late-Victorian
Drug Fiction.”
- 74 Karis Winstanley
Review of Heather Meek’s “‘The Wonders of
Medicine in Literary Education’: Teaching
Eighteenth-Century Hysteria.”

About the JLS

The *Journal of Literature and Science (JLS)* is a peer-reviewed academic journal published twice annually in Summer and Winter. The JLS was founded in 2007, and produced its first issue at the beginning of 2008. It was originally hosted by the University of Glamorgan's Research Centre for Literature, Arts and Science (2007-12), before moving to its own independent online site in March 2013, with the support of the University of Westminster. The journal's first, and present, editor is Professor Martin Willis, Professor of English at Cardiff University. The Advisory Board includes leading scholars of literature and science from around the world. The JLS is published in digital format, is entirely open access, and requires no subscription fee.

The journal is dedicated to the publication of academic essays on the subject of literature and science, broadly defined. Essays on the major forms of literary and artistic endeavour are welcome (the novel, short fiction, poetry, drama, periodical literature, visual art, sculpture, radio, film and television). The journal encourages submissions from all periods of literary and artistic history since the Scientific Revolution; from the Renaissance to the present day. The journal also encourages a broad definition of 'science': encapsulating both the history and philosophy of science and those sciences regarded as either mainstream or marginal within their own, or our, historical moment. However, the journal does not generally publish work on the social sciences. Within these confines, essays submitted to the journal may focus on the literary and scientific productions of any nation or group.

All essays should be interdisciplinary in focus, offering an original view of both the literary or artistic subject matter and the science or sciences under consideration. While essays on individual examples of literary and artistic production are welcomed, these should also seek to show the wider significance of their analyses and interpretations. The journal does not publish essays focused exclusively on literature or art, or exclusively on the history and philosophy of science.

Submission and Citation Information

Abstracts and articles for submission should be sent to the Editor, Professor Martin Willis, by email only: WillisM8@cardiff.ac.uk

The *JLS* recommends that an initial email inquiry, including an abstract of the proposed article, should be sent in advance of completed articles in order to ensure that the subject matter is suitable for publication under the *JLS*'s remit.

All articles should be from 6000-9000 words in length, interdisciplinary in focus, and offering an original view of both the literary or artistic subject matter and the science or sciences under consideration. While articles on individual examples of literary and artistic production are welcomed, these should also seek to show the wider significance of their analyses and interpretations. The journal does not publish essays focused exclusively on literature or art, or exclusively on the history and philosophy of science.

All submitted articles should be presented in MLA Style, with notes kept to a minimum. *JLS* articles do not use personal pronouns (e.g. "In this article I will..." is not appropriate, while "This article will..." is appropriate). All spellings should follow British English. All submitted articles should include a short abstract (150 words maximum) below the title and author's name and ahead of the opening sentence.

The *JLS* aims to complete the first stage of peer review (consideration of articles by the editor and advisory board) within 4 weeks of submission and the second stage of peer review (external, blind, double peer-review) within 8 weeks of the completion of the first stage. All authors whose articles reach the second stage of peer review should expect to have a decision on publication within approximately 12 weeks of the date of their original submission of an article

Citing the JLS: the journal's full title is the *Journal of Literature and Science*, and its first issue was Volume 1, Number 1 (2007). All page numbers to individual essays can be found when accessing the PDF file of that essay. The journal's ISSN is 1754-646X. Citations should give Author, 'Title,' *Journal of Literature and Science* Vol, No. (Year): pp., organized according to the specific style guide being used.

The *Journal of Literature and Science* is committed to real and immediate open access for academic work. All of the *JLS*'s articles and reviews are free to access immediately from the date of publication. There are no author charges (commonly known as APCs) prior to publication, and no charge for any reader to download articles and reviews for their own scholarly use. The *JLS* does not, therefore, operate either a Gold or Green model of open access, but is free to all at any time and in perpetuity. To facilitate this the *JLS* depends upon the financial underwriting provided by the University of Westminster's Department of English, the goodwill of its editorial team and advisory board, and the continuing support of its network of peer reviewers.



The *Journal of Literature and Science* also operates under the [Creative Commons Licence CC-BY-NC-ND](https://creativecommons.org/licenses/by-nc-nd/4.0/). This allows for the reproduction of articles, free of charge, for non-commercial use only and with the appropriate citation information. All authors publishing with the *JLS* accept these as the terms of publication. Please note that copyright of the content of all articles and reviews remains with the designated author of the article or review. Copyright of the layout and design of *JLS* articles and reviews remains with the *Journal of Literature and Science* and cannot be used in other publications.

The *JLS* is a member of PILA (Publishers International Linking Association) and submits all articles and reviews, including all works that these cite, to CrossRef for cross-referral. To find *JLS* articles and reviews via their DOI numbers, use the URL [http://dx.doi.org/\[DOI number\]](http://dx.doi.org/[DOI number])

Reviews

The *JLS* reviews articles on literature and science, or relevant articles in cognate fields such as the history of science, cultural studies or sociology, published in academic journals within the last twelve to eighteen months. Reviews are generally commissioned by the Reviews Editor, but potential contributors are encouraged to contact the Reviews Editor to suggest articles for review.

The *JLS* does not, at any time, review books or collections of essays. The editors take the view that books within the field are already well covered by reviewing journals while journal articles, often the publication type that offers the most recent scholarship, are never considered in review processes. By doing so, the *JLS* hopes to offer its readers access to academic dialogue on the most recent advances in literature and science.

Reviews should be approximately 750 words in length, should follow MLA Style (notes generally not allowed), and should aim to describe the content of the article under review as well as offer an analysis of its strengths and weaknesses and conclude by assessing its significance for literature and science scholarship.

Proposals for review and completed reviews should be sent to the Reviews Editor, Dr Michelle Geric by email only: m.geric@westminster.ac.uk

Editorial Board

Editor: Martin Willis

Reviews Editor: Michelle Geric

Editorial Assistants: Rebecca Spear & Jim Scown

Advisory Board: Tim Armstrong, Gowan Dawson, Folkert Degenring, John Holmes, Lisa Hopkins, William Hughes, Kelly Hurley, Meegan Kennedy, Leah Knight, Sharon Ruston, Eleanor Sandry, Jonathan Sawday, Carol A. Senf, Andrew Smith, Laurence Talairach-Vielmas, Jeff Wallace, Alexandra Warwick and Catherine Wynne.

Web design: Martin Callanan

Logo: Joel Cooper

Daniel Ibrahim Abdalla is a DPhil Candidate in English at Wadham College, Oxford. His thesis considers the works of Henry James, Edith Wharton and Elizabeth Robins alongside advancements in evolutionary biology. He has worked as a Graduate Research Assistant on the European Research Council project, Diseases of Modern Life: Nineteenth-Century Perspectives and currently convenes the American Literature Research Seminar at the Rothermere American Institute, Oxford.

Kim Adams holds a PhD from the department of English at NYU and a MA from the department of English at Brown University. Her research connects the fields of medical humanities, critical races studies, science and technology studies, and literary scholarship. Her book project, *The Body Electric*, examines how electricity shapes the modern American body in the political categories of race, sex, and gender. Her teaching uses interdisciplinary methods to connect literature and science and positions the humanities as a political site of knowledge production within the university.

Rachel Fountain Eames is a Midlands4Cities doctoral researcher at the University of Birmingham currently in the final stages of her PhD 'The New Physics in Modernist Literature and Culture'. She was co-founder of the Midlands Modernists Network. Her research focuses on the intersection of twentieth-century science, modernist literature, and the visual arts.

Tim Gingrich is currently a vice president of strategy with global communication firm Edelman. His work with brands draws on an academic interest in motif and the role of figurative language, which he explored in the twentieth-century magical realism of Borges and Murakami and thirteenth-century Zen writings of Dogēn while obtaining a master's degree in humanities at the University of Texas at Dallas. Previously, he lived in China and studied Mandarin at Beijing Normal University.

Meindert E. Peters is completing a doctoral thesis at New College, Oxford on embodied cognition in German modernist thought and literature. With broad interests in dance, literature, and philosophies of human animation, he has recently published on Isadora Duncan's Nietzschean revaluations in *Dance Research* and on Heidegger's 'embodied others' in *Phenomenology and the Cognitive Sciences*.

Jim Scown is completing a PhD at Cardiff University and the University of Bristol. His work investigates soils, science, and literary realism of the mid-nineteenth century. He examines fictional and scientific explorations of earth, dust, and sewage from this period, considering too how the nineteenth-century understanding of soils relates to the present.

Ashlee Simon is a PhD student at Lehigh University. Her interests include the history of medicine in eighteenth and nineteenth-century British literature, with an emphasis on the history of substances. Her master's thesis analyses the impact of drugs on the narrative delivery of Arthur Conan Doyle's detective fiction, and she is currently researching the use of chloroform in Victorian crime.

Randall Stevenson is Emeritus Professor of Twentieth-Century Literature at the University of Edinburgh and a Fellow of the English Association. Critical studies include *Modernist Fiction* (Prentice-Hall, 1998); *The Oxford English Literary History* vol.12, *1960-2000: The Last of England* (OUP, 2004); *Literature and the Great War* (OUP, 2013); and *Reading the Times: Temporality and History in Twentieth-Century Fiction* (EUP, 2018). He is General Editor of the *Edinburgh History of Twentieth-Century Literature in Britain* series (EUP).

Karis Winstanley is freelance writer and independent scholar. She has interests in discourses of law, medicine, and culture and how it relates to the body in the nineteenth century.