

Vision & Voices: Wonderland and the Mathematical Imaginary

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Research guide for the February 22, 2012 event.

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Event Details



When: February 22, 2012 from 11:00am - 1:00pm

Where: Doheny Library, Room 240

Organized by the USC Academy for Polymathic Study and the USC Libraries, which present the Wonderland Award—a multidisciplinary competition that encourages new scholarship and creative work related to Lewis Carroll. More information about the Wonderland Award is available online at www.usc.edu/libraries/wonderland.

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Event Description

 From the [Vision & Voices website](#):

Along with the Mad Hatter, the Rabbit, the Mock Turtle and other beloved characters from *Alice in Wonderland*, Lewis Carroll created a surprising world in which the normal rules don't apply. This world has inspired filmmakers like Tim Burton and Jan Svankmajer, visual artists like Salvador Dalí and the creators of numerous graphic novels, video games and works of science fiction. A polymath and inventor with an eclectic mind, Carroll also taught math at Oxford. He drew inspiration from his pioneering studies of logic and geometry while creating the fictional world of Alice. Join us for a multidisciplinary discussion featuring science writer Margaret Wertheim, mathematics professor Francis Bonahon and English professor Jim Kincaid. Following the discussion, Wertheim and Bonahon will lead an experimental play/workshop where participants can make and play with absurd mathematical objects, such as the Möbius strip and the hyperbolic plane, dating from the mathematical revolution of Carroll's time.

Speaker Bios:

Margaret Wertheim is the author of *Pythagoras' Trousers*, a history of the relationship between physics and religion, and *The Pearly Gates of Cyberspace: A History of Space from Dante to the Internet*. Her articles have appeared in numerous publications, including the *New York Times*, the *Los Angeles Times Magazine*, *The Sciences*, *New Scientist*, the *Times Literary Supplement*, the *Guardian*, *Salon* and *Wired*. In 2003, Wertheim and her twin sister, Christine, founded the Institute For Figuring, an innovative Los Angeles-based organization devoted to enhancing public engagement with the aesthetic and poetic dimensions of science and mathematics.

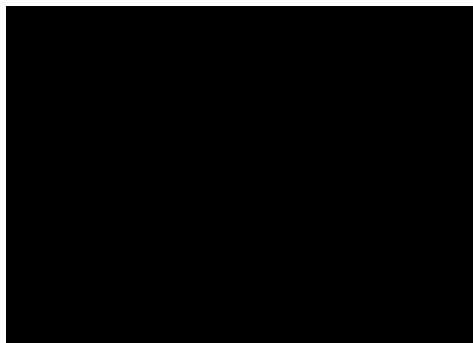
Francis Bonahon is a professor of mathematics at the USC Dornsife College. His research focuses on topology and geometry, with an emphasis on two- and three-dimensional spaces. His work includes publications on hyperbolic geometry and quantum topology, and his research is supported by the National Science Foundation.

Jim Kincaid is the Aerol Arnold Chair in English and a professor of English at the USC Dornsife College. He researches critical theory, American studies and queer studies. He teaches classes in criminality, lunacy and perversion, age studies, censorship and other areas of literary, political and cultural studies.

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Your Research Soundtrack

'Now, I give you fair warning,' shouted the Queen, stamping on the ground as she spoke; 'either you or your 'ed must be off, and that in about half no time! Take your choice!'



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Databases

The following databases are a good place to begin your focused search for scholarly articles, newspaper and magazine articles, conference proceedings, and book chapters.

- ProQuest Research Library** 

A multi-disciplinary index suitable for both undergraduates and graduate students. A good place to begin your research.
- Project MUSE** 

MUSE provides access to the complete content (including all images) of nearly 500 current scholarly journals in the humanities and social sciences.
- JSTOR**

Established in 1997, JSTOR's first collection includes core journals in economics, history, political science, and sociology, as well as in other key fields in the humanities and social sciences. This collection also contains titles in ecology, mathematics, and statistics.

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Recommended Articles

- [Alice's secrets in Wonderland](#), by Melanie Bayley (2009/2010)**
 New Scientist, 204, 38-41.
- [At the intersection of mathematics and humor: Lewis Carroll's "Alices" and symbolical algebra](#), by Helena M. Pycior (1984)**
 Victorian Studies, 28(1), 149-170.
- [Beyond Wonderland: The mathematics of Lewis Carroll](#), by S.I.B. Gray (1999)**
 Math Horizons, 6(4), 18-23.
- [For tea two for tea](#), by John Bibby (1997)**
 Times Educational Supplement, (4221), VI-VII.
- [Fraudulent dissection puzzles : a tour of the mathematics of bamboozlement](#), by John Sharp (2002)**
 Mathematics In School, 31(4), 7-13.
- [Lewis Carroll's visual logic](#), by Francine F. Abeles (2007)**
 History and Philosophy of Logic, 28(1), 1-17.
- [Mathematics: Alice in time](#), by Gillian Beer (2011)**
 Nature, 479(7371), 38-39.
- [The mathematics of "Alice's Adventures in Wonderland,"](#) by Susan Taber (2005)**
 Mathematics Teaching in the Middle School, 11(4), 165-171.
- ["Shutting up like a telescope": Lewis Carroll's "curious" condensation method for evaluating determinants](#), by Adrian Rice and Eve Torrence (2007)**
 College Mathematics Journal, 38(2), 85-95.

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 and use one of the following
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-"wonderland"

-"carroll, lewis"

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InterLibrary Loan & Document Delivery

If USC Libraries doesn't have what
 you're looking for, we may be able to
 get it from another library. Here's

Recommended Books

Most of our books about *Alice in Wonderland* are held in Special Collections as part of our *G. Edward Cassady, M.D., and Margaret Elizabeth Cassady, R.N., Lewis Carroll Collection*. Contact Special Collections (specol@usc.edu) for more information.



A mathematical approach to proportional representation : Duncan Black on Lewis Carroll - Black, Duncan.

Call Number: JF1071.B53 1996

ISBN: 0792396200

Publication Date: 1996

Held by VKC.



Lewis Carroll's Alice's adventures in wonderland (Bloom's modern critical interpretations) - Bloom, Harold.

Call Number: PR4611.A73L49 2006

ISBN: 0791085864

Publication Date: 2006

Held by Doheny.



Alice's adventures : Lewis Carroll and Alice in popular culture - Brooker, Will, 1970-

Call Number: PR4611.A73B76 2004

ISBN: 0826414338

Publication Date: 2004

Held by Doheny.



The original Alice : from manuscript to Wonderland - Brown, Sally.

Call Number: PR4611.A73B76 1997

ISBN: 0712345337

Publication Date: 1997

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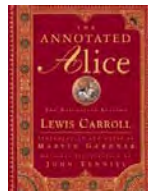


Alice's adventures in Wonderland ; and, Through the looking-glass - Carroll, Lewis, 1832-1898.

Call Number: PR4611.A7 1983b

Publication Date: 1983

Held by Doheny in Reference.



The annotated Alice : Alice's adventures in Wonderland & Through the looking-glass - Carroll, Lewis, 1832-1898.

Call Number: PR4611.A7 2000

ISBN: 0393048470

Publication Date: 2000

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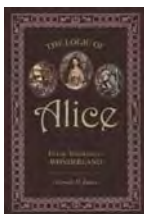
The mathematical pamphlets of Charles Lutwidge Dodgson and related pieces - Carroll, Lewis, 1832-1898.

Call Number: QA3.C295 1994

ISBN: 0930326091

Publication Date: 1994

Held by Doheny and Science.



The logic of Alice : clear thinking in Wonderland - Patten, Bernard M.

Call Number: PR4611.A73P38 2009

ISBN: 9781591026754

Publication Date: 2009

Held by Doheny.



Lewis Carroll in Numberland : his fantastical mathematical logical life : an agony in eight fits - Wilson, Robin J.

Call Number: PR4612.W55 2008

ISBN: 9780713997576

Publication Date: 2008

Held by Doheny.



The Alice behind wonderland - Winchester, Simon.

Call Number: PR4611.A73W56 2011

ISBN: 9780195396195

Publication Date: 2011

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Quick search for articles, books, and other library resources.

This will search most of USC's resources, but not everything. Be sure to check out the Selected Books and Articles tabs for more information.

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Resources Online

 Some of the the best resources on the web for discovering more about *Alice in Wonderland*...

- [Full Texts of Carroll's Works at Project Gutenberg](#)
Read or download the text of many of Carroll's works, as .txt, epub, pdf, and other formats.
- [The Harry Ransom Center's Lewis Carroll Exhibition](#)
A web exhibition from the Harry Ransom Center at the University of Texas at Austin.
- [The Lewis Carroll Scrapbook](#)
A digitization of an original scrapbook kept by Charles Lutwidge Dodgson. The scrapbook contains approximately 130 items, including newspaper clippings, photographs, and a limited number of manuscript materials, collected between 1855-72.
- [The Lewis Carroll Society \(U.K.\)](#)
Society formed in 1969 with the aim of encouraging research into the life and works of Lewis Carroll.
- [The Lewis Carroll Society of North America](#)
Resources from the Lewis Carroll Society of North America, a non-profit organization dedicated to furthering study of the life and works of Charles Lutwidge Dodgson.
- [Turning the Pages, the British Library](#)
Flip through the pages of a digitized facsimile of the original Alice manuscript.

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