

Visions and Voices and the USC Libraries have collaborated to create a series of resource guides that allow you to build on your experiences at many Visions and Voices events. Explore the resources listed below and continue your journey of inquiry and discovery!



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. Today's multidisciplinary discussion features 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.

JOHN M. JACKSON of the USC Libraries has selected the following resources to help you learn more about Carroll and his work. Consult the online version of this guide at libguides.usc.edu/wonderland for more resources, including links to web resources and a suggested soundtrack to accompany your research.

Recommended Books

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

A Mathematical Approach to Proportional Representation:

***Duncan Black on Lewis Carroll* (1996)**

By Duncan Black

VKC Library: JF1071.B53 1996

***Lewis Carroll's Alice's Adventures in Wonderland* (2006)**

By Harold Bloom

Critic Harold Bloom offers his interpretation of Carroll's classic.

Doheny Memorial Library: PR4611.A73L49 2006

***Alice's Adventures: Lewis Carroll and Alice in Popular Culture* (2004)**

By Will Brooker

Doheny Memorial Library: PR4611.A73B76 2004

***The Original Alice: From Manuscript to Wonderland* (1997)**

By Sally Brown

Doheny Memorial Library: PR4611.A73B76 1997

***Alice's Adventures in Wonderland; and, Through the Looking-Glass* (1983)**

By Lewis Carroll

Doheny Memorial Library: PR4611.A7 1983 b (Reference)

***The Annotated Alice: Alice's Adventures in Wonderland & Through the Looking-Glass* (2000)**

By Lewis Carroll

Doheny Memorial Library: PR4611.A7 2000

The Mathematical Pamphlets of Charles Lutwidge Dodgson and Related Pieces (1994)

By Lewis Carroll

Doheny Memorial Library: QA3.C295 1994
Science & Engineering Library: QA3.C295 1994

The Logic of Alice: Clear Thinking in Wonderland (2009)

By Bernard M. Patten

Doheny Memorial Library: PR4611.A73P38 2009

Lewis Carroll in Numberland: His Fantastical Mathematical Logical Life; An Agony in Eight Fits (2008)

By Robin J. Wilson

Doheny Memorial Library: PR4612.W55 2008

The Alice behind Wonderland (2011)

By Simon Winchester

Doheny Memorial Library: PR4611.A73W56 2011

Recommended Articles

Access these articles through the Quick Search tab on the USC Libraries homepage at www.usc.edu/libraries.

Abeles, F.F. (2007). Lewis Carroll's visual logic. *History and Philosophy of Logic*, 28(1), 1–17.

Bayley, M. (2009/2010). Alice's secrets in Wonderland. *New Scientist*, 204, 38–41.

Beer, G. (2011). Mathematics: Alice in time. *Nature*, 479(7371), 38–39.

Bibby, J. (1997). For tea two for tea. *Times Educational Supplement*, 4221, VI–VII.

Gray, S.I.B. (1999). Beyond Wonderland: The mathematics of Lewis Carroll. *Math Horizons*, 6(4), 18–23.

Pycior, H.M. (1984). At the intersection of mathematics and humor: Lewis Carroll's "Alices" and symbolical algebra. *Victorian Studies*, 28(1), 149–170.

Rice, A. & Torrence, E. (2007). "Shutting up like a telescope": Lewis Carroll's "curious" condensation method for evaluating determinants. *College Mathematics Journal*, 38(2), 85–95.

Sharp, J. (2002). Fraudulent dissection puzzles: a tour of the mathematics of bamboozlement. *Mathematics In School*, 31(4), 7–13.

Taber, S. (2005). The mathematics of "Alice's Adventures in Wonderland." *Mathematics Teaching in the Middle School*, 11(4), 165–171.