

Some Suggested Books for History 3350 Class Presentation:

Joyce Appleby, *Shores of Knowledge: New World Discoveries and the Scientific Imagination* (2013).

W. Brian Arthur, *The Nature of Technology: What It Is and How It Evolves* (Free Press, 2009).

Anthony Aveni, *Stairways to the Stars: Skywatching in Three Great Ancient Cultures* (1999).

Marcia Bartusiak, *The Day We Found the Universe* (2009).

Alice Bell, *Our Biggest Experiment: An Epic History of the Climate Crisis* (2021)

David Bodanis, *E=mc²: A Biography of the World's Most Famous Equation* (2000).

Bill Bryson, *A Short History of Nearly Everything* (2003).

Cody Cassidy, *Who Ate the First Oyster?: The Extraordinary People Behind the Greatest Firsts in History* (2020).

Alfred W. Crosby, *Children of the Sun: A History of Humanity's Unappeasable Appetite for Energy* (2006).

Jared M. Diamond, *Guns, Germs, and Steel: The Fates of Human Societies* (1997).

Jared M. Diamond, *Collapse: How Societies Choose to Fail or Succeed* (2005).

Edward Dolnick, *The Clockwork Universe: Isaac Newton, the Royal Society, and the Birth of the Modern World* (2011)

Michael Dowd, *Thank God for Evolution: How the Marriage of Science and Religion Will Transform Your Life and Our World* (2009).

Rosemary Drisdelle, *Parasites: Tales of Humanity's Most Unwelcome Guests* (2010).

Rob Dunn, *Every Living Thing: Man's Obsessive Quest to Catalog Life, from Nanobacteria to New Monkeys* (2009).

David Fisher, *Much Ado about (Practically) Nothing: A History of the Noble Gases* (2010).

Nancy Forbes and Basil Mahon, *Faraday, Maxwell, and the Electromagnetic Field: How Two Men Revolutionized Physics* (2014).

David M. Friedman, *The Immortalists: Charles Lindbergh, Dr. Alexis Carrel, and Their Daring Quest to Live Forever* (2007).

James Gleick, *Isaac Newton* (2003).

John Grant, *Denying Science: Conspiracy Theories, Media Distortions, and the War against Reality* (Prometheus Books, 2011).

John Gribbin, *The Scientists: A History of Science Told Through the Lives of Its Greatest Inventors* (2004).

John Gribbin, *Alone in the Universe: Why Our Planet is Unique* (2011).

Mary Gribbin and John Gribbin, *Flower Hunters* (2009).

Oren Harman, *The Price of Altruism: George Price and the Search for the Origins of Kindness* (2010).

Stephen Hawking and Leonard Mlodinow, *The Grand Design* (2010)

Chris Impey and Holly Henry, *Dreams of Other Worlds: The Amazing Story of Unmanned Space Exploration* (2013).

James Hoggan with Richard Littlemore, *Climate Cover-up: The Crusade to Deny Global Warming* (2009).

Michio Kaku, *Physics of the Future: How Science Will Shape Human Destiny and Our Daily Lives by the Year 2100* (2011).

Sam Kean, *The Disappearing Spoon: And Other True Tales of Madness, Love, and the History of the World from the Periodic Table of the Elements* (2010).

Jonathan Kennedy, *Pathogenesis: A History of the World in Eight Plagues* (2023).

Elizabeth Kolbert, *The Sixth Extinction: An Unnatural History* (2015).

Thomas S. Kuhn, *The Structure of Scientific Revolutions* (second edition, Chicago: University of Chicago Press, 1962, 1970).

Edward J. Larson, *Evolution: The Remarkable History of a Scientific Theory* (2004)

Mario Livio, *Brilliant Blunders: From Darwin to Einstein - Colossal Mistakes by Great Scientists That Changed Our Understanding of Life and the Universe* (2013).

Charles C. Mann, *The Wizard and the Prophet: Two Remarkable Scientists and Their Dueling Visions to Shape Tomorrow's World* (2018).

Victor K. McElheny, *Drawing the Map of Life: Inside the Human Genome Project* (2010).

Christopher McGowan, *The Dragon Seekers: How an Extraordinary Circle of Fossilists Discovered the Dinosaurs and Paved the Way for Darwin* (2001).

Ronald L. Numbers, editor, *Galileo Goes to Jail and Other Myths About Science and Religion* (2009).

Naomi Oreskes and Erik M. Conway, *Merchants of Doubt: How a Handful of Scientists Obscured the Truth on Issues from Tobacco Smoke to Global Warming* (2010)

Bill Nye and Corey S. Powell, *Unstoppable: Harnessing Science to Change the World* (2015).

Brian Payton, *The Ice Passage: A True Story of Ambition, Disaster, and Endurance in the Arctic Wilderness* (2010).

Christopher Potter, *You Are Here: A Portable History of the Universe* (2009).

James Lawrence Powell, *Dead Pool: Lake Powell, Global Warming, and the Future of Water in the West* (2008).

David Quammen, *Spillover: Animal Infections and the Next Human Pandemic* (2013).

Chet Raymo, *Walking Zero: Discovering Cosmic Space and Time Along the Prime Meridian* (2006).

Dan Riskin, *Mother Nature Is Trying to Kill You: A Lively Tour Through the Dark Side of the Natural World* (2014)

Pamela C. Ronald and Raoul Adamchak, *Tomorrow's Table: Organic Farming, Genetics, and the Future of Food* (2008).

Matt Ridley, *The Evolution of Everything: How New Ideas Emerge* (2015).

Adam Rutherford, *A Brief History of Everyone Who Ever Lived: The Human Story Retold Through Our Genes* (2017).

Paul Sabin, *The Bet: Paul Ehrlich, Julian Simon, and Our Gamble over Earth's Future* (2013)

Michael Shellenberger and Ted Nordhaus, *Break Through: From the Death of Environmentalism to the Politics of Possibility* (2007).

Michael Shermer, *In Darwin's Shadow: The Life and Science of Alfred Russel Wallace:*

A Biographical Study on the Psychology of History (2002).

Neil Shubin, *Your Inner Fish: A Journey into the 3.5-Billion-Year History of the Human Body* (2008).

Neil Shubin, *Some Assembly Required: Decoding Four Billion Years of Life, from Ancient Fossils to DNA* (2020).

Daniel Lord Smail, *On Deep History and the Brain* (2007).

Keith Thomson, *Jefferson's Shadow: The Story of His Science* (2012).

Peter Turchin, *Ultrasociety: How 10,000 Years of War Made Humans the Greatest Cooperators on Earth* (2015).

J. Craig Venter, *Life at the Speed of Light: From the Double Helix to the Dawn of Digital Life* (2013).

Robert Wright, *Nonzero: The Logic of Human Destiny* (2000).

Ed Yong, *I Contain Multitudes: The Microbes Within Us and a Grander View of Life* (2016).

Carl Zimmer, *Evolution: The Triumph of an Idea* (2001)

Almost any of the major books by Carl Sagan, Stephen Jay Gould, or Edward O. Wilson (check with instructor to pick one of these).

Selected science fiction novels (check with the instructor to pick one of these).