

HISC 104, UCSD, FALL 2012
The History of Popular Science

Clark / wiclark@ucsd.edu / Lecture: Tuesday-Thursday 5:00-6:20 PM in Peterson 104
2302 HSS, East Wing / Office Hours: Tues+Thurs 6:30-8:00 P.M.

: Participation = 10 % / 1st Essay = 5% / 2nd Essay Outline = 5% / 2nd Essay = 10% / 3rd Essay = 20% / Final Exam = 50%.
I is an in-class exam + a take-home essay.

and video sources are on the class website (<http://webctweb.ucsd.edu>).

Sources (selected pages as pdfs on the class website in the “Readings” folder)

- Asalla**, “Pop Science: The Depiction of Science in Popular Culture” (1976).
Darnton, *Mesmerism and the End of the Enlightenment in France* (1968).
Fara, *An Entertainment for Angels: Electricity in the Enlightenment* (2002).
in **Franklin** et al., *Report on Animal Magnetism ...* (1784).
Goodall, “My Life Among Wild Chimpanzees,” *National Geographic* (1963).
Goodall, “New Discoveries Among Africa’s Chimpanzees,” *National Geographic* (1965).
Goodhue, *Curious Bones: Mary Anning and the Origins of Paleontology* (2002).
Hagner, “Enlightened Monsters,” in *The Sciences in Enlightened Europe*, ed. by W. Clark et al. (1999).
Haynes, *From Faust to Strangelove: Representations of the Scientist in Western Literature* (1994).
Kerley and Brian **Selsnick**, *The Dinosaurs of Waterhouse Hawkins* (2001).
see **Krohn**, *Jane Goodall: Animal Scientist* (2006).
see **Mead & Rhoda Métraux**, “Image of the Scientist Among High School Students,” *Science* (1957), 126: 384-90.
Mulson, “Jane Goodall’s Animal Planet: Atoms & Eden, Conversations on Science and Faith,” *Salon.Com*, April 14, 2009.

Sources (as mp4s on the class website in the “Videos” folder)

- Life of National Geographic: Leakey, Goodall, Fossey, Galdikas* (1996).
Life of Jane Goodall (2010).
Einstein: Biography (2005).
Erin’s Journey (2010).
Erin: The Sultan of Software (1998).
Erin, Ep. 1: Cartman Gets an Anal Probe (1997).
Erin Darwin and the Tree of Life (2009).
Erin (2000).
Erin Pt. 10: The Edge of Forever & Pt. 12: Encyclopaedia Galactica (1980).
Erin Stenborough’s First Life (2010).
Erin’s Secrets Revealed (2002).
Erin the Secret of Photo 51 (2007).
Erin (1979).
Erin: Outlaws & Angels (2002).
Erin Goodall: Reason for Hope (1999).
Erin’s First Day: Intelligent Design on Trial (2007).
Erin’s Curie (1943).
Erin Goodall and the Wild Chimpanzees (1965).
Erin’s Trial (2002).
Erin’s History of Hacking (2002).
Erin: Awe: The Story of Electricity (2010).
Erin’s iChanged the World (2011).
Erin’s Master of Lightning (2000).
Erin’s Edison: Biography (2004).
Erin’s The Story of the Internet (2008).
Erin’s The Age That Shook the World (2009).
Erin’s The Story of the Nerds (1996).
Erin’s The Files – UFOs Then & Now: Cause for Alarm (2004).
Erin’s The Files – UFOs Then & Now: Nightmare (2004).
Erin’s I Know What I Saw (2009).

Cosmology II: Hynek & UFOs

Watch: *UFOs: I Know What I Saw* (2009) & *South Park, Ep. 1: Cartman Gets an Anal Probe* (1997). Suggested Watch: *UFO Files: UFOs Then & Now: Cause for Alarm* (2004) & *UFO Files: UFOs Then & Now: Nightmare* (2004).

Life I: Franklin & the Riddle of Life

Watch: *DNA: The Secret of Photo 51* (2007).

Life II: Attenborough & the Origins of Life

Watch: *David Attenborough's First Life* (2010) Pts. 1-2. Suggested Watch: *Attenborough's Journey* (2010).

Monsters IV & Evolution II: Dinosaurs & Apes

Watch: *Dinosaur Secrets Revealed* (2002) Pts.1-2 & *Monkey Trial* (2002).

Take-Home Essay Due at 5 PM on 20 November 2012

Evolution III: Creationism & Intelligent Design

Watch: *Judgment Day Intelligent Design on Trial* (2007) & *The Voyage That Shook the World* (2009). Suggested Watch: *Charles Darwin and the Tree of Life* (2009).

Primateology I: National Geographic, Leakey & His Angels

Read: Goodall, "My Life Among Wild Chimpanzees." Watch: *30 Years National Geographic: Leakey + ... Goodall + ... Fossey + ... Galdikas* (1996). Suggested Read: Krohn, *Jane Goodall ...*

Primateology II: National Geographic, Goodall & Her Chimps

Watch: *Miss Goodall & the Wild Chimpanzees* (1965). Suggested Watch: *Jane Goodall: Reason for Hope* (1999) & *60 Minutes: Jane Goodall* (2010) & Read: Goodall, "New Discoveries ..." & Paulson, "Jane Goodall's Animal Planet ..."

BER

The Matrix I: Computers & the Net, Hippies & Nerds

Watch: *Computers* (2000). Suggested Watch: *The True Story of the Internet, Pt. 1: Browser Wars* (2008).

The Matrix II: Hippies & Nerds, Angels & Outlaws

Watch: *Triumph of the Nerds* (1996) Pts. 1-3 & *Secret History of Hacking* (2002) or *Hackers: Outlaws & Angels* (2002). Suggested Watch: *Bill Gates: The Sultan of Software* (1998) & *Steve Jobs: iChanged the World* (2011).

Take-Home Essay Due at 7 PM on 14 December 2012 + In-Class Final Exam, 7-10 PM.