

# INSTITUTE ON SCIENCE IN THE COURTS

April 7 – 13, 2005

## April 8

**8:30 a.m. – 12 noon**      **First Session: Professor W. Kip Viscusi**

Topic: Principles of Risk Analysis

- Assignment:
- *Viscusi, Vernon & Harrington, Economics of Regulation & Antitrust: The Emergence of Health, Safety and Environmental Regulation, pp. 637-646.*
  - *Viscusi, The Value of Life in Legal Contexts: Survey & Critique, pp. 195-222.*
  - *Viscusi, Fatal Tradeoffs, pp. 17-33.*
  - *Viscusi and Hamilton, Cleaning Up Superfund, from The Public Interest, 1996, pp. 52-60.*

## April 9

**8:30 a.m.- 11:45 a.m.**      **Second Session: Professor W. Kip Viscusi**

Topic: Risk Regulation

- Assignment:
- *Sunstein, Viscusi, et al, Punitive Damages: How Juries Decide, ch. 6 and 10.*

## April 10

**8:30 a.m. - 12:00 noon**      **Third Session: Dr. Robert L. Park**

Topic: The Abuse of Science

- Assignment:
- “*Cellular Telephones and Cancer: How Should Science Respond?*” from *Journal of the National Cancer Institute*, Vol. 93, No. 3 (February 7, 2001).
  - Park, *Voodoo Science*, Oxford University Press (2000), chs. 2 and 10.
  - “*Being There*” from *The Washington Post* (October 5, 2003).
  - “*Voodoo Science and the Power-Line Panic*” from *Forbes* (May 15, 2000).
  - Park, *Lessons From A Tree: Superstitious Medicine in an Age of Science*.
  - *State of Washington v. Lee, Declaration of Robert Park* (2002).
  - “*The Seven Warning Signs of Bogus Science*” from *The Chronicle of Higher Education* (January 31, 2003).

### **April 11**

#### **8:30 a.m. - 12:00 noon Fourth Session: Professor James S. Trefil**

Topic: Frontiers of Science

- Assignment:
- Trefil, “*Brave New World*” from *Smithsonian*, pp. 38-46.
  - Trefil, *Human Nature: Managing the Planet By and For Humans*, chs. 10 and 11.
  - Lanza, Robert and Rosenthal, Nadia, “*The Stem Cell Challenge*” from *Scientific American* (June 2004), pp. 93-99.
  - Sweeney, H. Lee, “*Gene Doping*” from *Scientific American* (July 2004), pp. 63-69.

#### **1:00 p.m. – 4:30 p.m. Class 5: Professor James S. Trefil**

Topic: How Scientists Judge Science

- Assignment:
- Trefil & Hazen, *The Sciences: An Integrated Approach*, pp. 1-25.
  - Trefil, “A Mind Can Be Open Without Being Empty: Thoughts on the Skepticism of Scientists”.
  - Trefil, *Meditations At 10,000 Feet: A Scientist in the Mountains*, pp. 39-56.
  - Kring & Durda, “The Day the World Burned” from *Scientific American* (December 2003), pp. 100-105.\

## April 12

### **8:30 a.m. - 12 noon Fifth Session: Professor Bruce N. Ames**

Topic: Frontiers of Science

- Assignment:
- Ames & Gold, “Cancer Prevention and the Environmental Chemical Distraction” from Gough, ed., *Politicizing Science: The Alchemy of Policymaking*, Hoover Institute Press (2003), pp. 117-142.
  - Ames, “A Role for Supplements in Optimizing Health: The Metabolic Tune-Up”, *Science Direct, Archives of Biochemistry and Biophysics* 423 (2004) 227-234.

### **5:00 p.m.- 6:30 p.m. Sixth Session: Dr. Arden L. Bement, Jr. Director, National Science Foundation**

Topic: If Science is the Answer, What are the Questions?

- Assignment:
1. Science, Engineering, Technology and the Public:
    - Bush, *Science – The Endless Frontier*.
    - *National Science Foundation Statutory Authority*.
    - *Report to the National Science Board on the National Science Foundation’s Merit Review Process, FY 2003*.
    - *NIST: Strengthening US Innovation, Trade, Public Safety and Security, and Jobs*.
  2. Issues:
    - “Patently Problematic”, *Economist*, (September 12, 2002).
    - “Patenting the Human Genome”, *Bridges, Vol.1* (April 20, 2004).
    - “Make It Simple”, *Economist*, (October 28, 2004).

- *“In Age of Security, Firm Mines Wealth of Personal Data”, The Washington Post, Page A01 (January 20, 2005).*
  - *Federal Plan for High-End Computing, Report of the High-End Computing Revitalization Task Force (May 10, 2004).*
  - *Briefing on “Deemed Exports”, MIT.*
3. Discoveries:
- *Recent Research Results, National Science Foundation.*
  - *“NIST Takes Measure of Nanotechnology, Recent Accomplishments”, November 2004.*

**April 13**

**8:00 a.m. -9:40 a.m.      Seventh Session: Dr. Arden L.Bement, Jr.**

Topic:      If Science is the Answer, What are the Questions? (Cont’d)

Assignment:      *Continuation of Previous Readings.*