

GEO 3370 (Section 4126 / Spring, 2005)
CONSERVATION OF RESOURCES: READINGS (PART ONE)

1. Resources in History & in Traditional Societies

1/4 – 1/25

A. “Pre-agricultural” societies & extractive resources

Bailey, Robert. 1989 "The Efe: archers of the African rain forest." *National Geographic*, November, 1989. pp. 664-686.

New York Times articles

Stevens, William K. "Suspects in 'blitzkrieg' extinctions: primitive hunters." March 28, 2000.

Stevens, William K. "Unlikely tool for species preservation: warfare." March 30, 1999.

Robbins, Jim. "Historians revisit slaughter on the Plains." November 16, 1999.

Onishi, Norimitsu. "Pygmies wonder if oil pipeline will ease their poverty." July 10, 2000.

Associated Press. "Logging jobs benefit Pygmies, but imperil their forest home." February 16, 2003.

B. Agricultural origins & diffusion: the creation of new resources

Wilford, John Noble. 1997. "New clues show where people made the great leap to agriculture." *New York Times*, November 18, 1997.

Diamond, Jared. 1997. *Guns, Germs, and Steel*. New York: Norton. Chapters 4 & 7 (pp 85-92; 114-130).

McNeill, William. 1991. "American food crops in the old world." In *Seeds of Change: A Quincentennial Commemoration*, ed. by Herman Viola & Carolyn Margolis. Washington, DC: Smithsonian Institution Press. pp. 43-59.

Levine, Steve. "Kazakhstan's Eden of apples may also be their salvation." *Wall Street Journal*, July 3, 2003.

C. Wood & Energy in traditional societies & the Industrial Revolution

Perlin, John. 1989. *A Forest Journey: The role of wood in the development of civilization*. New York: Norton. Chap's 1, 4-6 (pp 25-31; 44-101).

Wilkinson, Richard. 1988. "The English Industrial Revolution." In *The Ends of the Earth*, ed. by Donald Worster. New York: Cambridge Univ. Press. Pp. 80-99.

Thurow Roger. "Unable to tap power of the Nile, Ethiopia relies on fuel carriers." *Wall Street Journal*, November 26, 2003.

Lacey, Marc. "To fuel the Mideast's grills, Somalia smolders." *New York Times*, July 25, 2002.

2. The Demographic Transition & Population Growth

1/25 – 2/3

Wills, Christopher. 1996. *Yellow Fever, Black Goddess: The coevolution of people and plagues*. Reading, MA: Addison-Wesley. Chap. 3, "The worst of times" (pp. 37-49).

Simon, Julian. 1996. *The Ultimate Resource 2*. Princeton: Princeton University Press. Chap. 22, pp. 311-325.

Cohen, Joel. 2003. "Human population: the next half century." *Science* 302 (14 Nov., 2003): 1172-1175. (Available online at UF e-journals site)

New York Times articles

Kolata, Gina. "Model shows how medical changes let population surge." Jan. 7, 1997.

Crossette, Barbara. "Population estimates fall as women assert control." March 10, 2002.

McNeill, Donald. "Demographic 'bomb' may only go 'pop'." August 29, 2004.

Naik, Gautam; Leslie Chang; & Joanna Slater. "Developing nations benefit from 'demographic dividend.'" *Wall Street Journal*. February 27, 2003.

Reuters. "AIDS is cutting African life span to 30-year low, report says." Dec. 18, 2003.

Altman, Daniel. "Bracing for economic changes when the population grows no more." August 20, 2002

Dugger, Celia. "Modern Asia's anomaly: the girls who don't get born." May 6, 2001.

Bonner, Raymond. "Bondage's load: heavy bricks and crushing debt." June 12, 2003.

Waldman, Amy. 2003. "Sri Lanka's young are forced to fill ranks of endless rebellion." January 6, 2003.

Woodall, Bernard. "Thousands of girls fighting on front lines." *Reuters*. March 3, 2004.

Kristof, Nicholas. "Girls for sale." January 17, 2004. "Bargaining for freedom." January 21, 2004. "Loss of innocence." January 28, 2004. "Stopping the traffickers." January 31, 2004.

3. Resource & Population Debates

2/8 – 2/10

Mann, Charles. 1993. "How many is too many?" *Atlantic Monthly* 271 (2): 47-67. Available online at: <http://www.theatlantic.com/issues/93feb/mann1.htm>

Simon, Julian. 1996. *The Ultimate Resource 2*. Princeton: Princeton University Press. Chap 3 (pp. 54-71).

Brown, Lester. 2003. *Plan B: Rescuing a planet under stress and a civilization in trouble*. New York: Norton. Chap's 1, 6, 11 (pp 3-19; 93-110; 199-222).

Wade, Nicholas. "Bjorn Lomborg: a chipper environmentalist." *New York Times*, August 7, 2001.

Review paper #1 due Tuesday, Feb. 8

4. Food Supply & Biotechnology in the 21st Century

2/15 – 2/24

Smil, Vaclav. 1997. "Global population and the nitrogen cycle." *Scientific American*, July, 1997. Pp. 76-81.

Goldman, Abe. 1998. "Brief summary of the benefits, costs, and remaining needs of the Green Revolution." *{Unpublished paper}*

New York Times & other articles

Food Shortages & Famine

Bearak, Barry. 2003. "Why people still starve." *New York Times Magazine*, July 13, 2003.

Thurow, Roger. "Once a breadbasket, Zimbabwe today can't feed itself." *Wall Street Journal*, December 24, 2003.

Crossette, Barbara. "North Korea appears to be emerging from years of severe famine." August 29, 1999.

Bearak, Barry. "Children as barter in a famished land." March 8, 2002.

Biotechnology in Agriculture

Pollack, Andrew. "We can engineer nature. But should we?" February 6, 2000.

Alvarez, Lizette. "Europe shows a growing distaste for genetic foods." February 10, 2003.

Barboza, David. "Development of biotech crops is booming in Asia." February 21, 2003.

Pollack, Andrew. "No foolproof way is seen to contain altered genes." January 21, 2004.

Pollack, Andrew. "Panel sees no unique risk from genetic engineering." July 28, 2004.

Cauvin, Henri. "Between famine and politics, Zambians starve." August 30, 2002.

Wines, Michael. "Angola's plan to turn away altered food imperils aid." March 30, 2004.

Exam #1 Tuesday, Feb. 22