

American Council on Science and Health. 1994. "Alar Five Years Later: Science Triumphs over Fear," K. Smith, *Special Report*, American Council on Science and Health, New York. An industry group claims that Alar was never a threat to the American public.

Ames, BN (2004) A Role for Supplements in Optimizing Health: The Metabolic Tune-Up. *Arch Biochem Biophys.*, 423: 227-234. A few simple vitamins and anti-oxidants could significantly enhance your health.

Ames, B.N. (2004) "Delaying the Mitochondrial Decay of Aging." *Ann NY Acad Sci* 1019: 406-411. Damage to mitochondria, the powerhouse of the cell, may be responsible for much of the impairment of aging.

Ames, B.N. and Gold, L.S. (2003) "Cancer Prevention and the Environmental Chemical Distraction." In: *Politicizing Science: the Alchemy of Policymaking*. M. Gough, ed. (Hoover Institute, Stanford, CA), pp 117-142. Is concern about environmental chemicals just a distraction?

Ames, B.N., and Gold, L.S. 2000. Misconceptions about pollution, pesticides and the prevention of cancer. In: *The Standard Handbook of Environmental Science, Health and Technology*. J. Lehr, ed. New York: McGraw-Hill

Ames, B., R. Magaw, and L. Gold. 1987. "Ranking Possible Carcinogenic Hazards," *Science* 236 (4799): 271-274. Startling new conclusions about natural versus synthetic products.

Ames, B.N., et al. 1997. "Environmental Pollution, Pesticides, and the Prevention of Cancer: Misconceptions," *FASEB J.* 11(13):1041-1052. Argues that natural toxins are a much greater threat to most of us than trace amounts of industrial pollutants.

Ames, Bruce N., et al. 1990 "Nature's chemicals and synthetic chemicals: Comparative toxicology." *Proceedings of the National Academy of the United States of America* 87: 7782-7786. Not all natural products are benign, nor are all synthetic products evil.

Ayres, Gene. 2003. "Rocket Fuel in Our Food" *Worldwatch* 16 (6): 12-20. Toxic perchlorates have been dumped into ground and surface waters and are now contaminating food supplies.

Barry, John M. 2004. *The Great Influenza: The Epic Story of the 1918 Pandemic*. Viking Press. Describes what was probably the most deadly infectious disease ever.

Beland, P. 1996. "The beluga whales of the St. Lawrence River." *Scientific American* 274 (5): 74-81. Whales in the St. Lawrence have accumulated so many toxins that their carcasses must be handled as toxic waste.

Brault, Aaron, et al. 2004. "Venezuelan equine encephalitis emergence: Enhanced vector infection from a single amino acid substitution in the envelope glycoprotein" *Proc. Nat Acad. Sci.*, Aug 2004 (101) 11344–11349. Forest destruction creates conditions for emergent diseases.

Buck, G.M., et al. 1997. "Consumption of contaminated sport fish from Lake Ontario and time-to-pregnancy," *American Journal of Epidemiology* 146 (11): 949-954. Connections between dietary toxins and birth defects.

Beuret, C., et al. 2002 "Norwalk-like virus (NVL)-sequences in mineral waters: One year monitoring of three brands". *Applied and Environmental Microbiology*, 68, 1925 - 1931, (2002). Signs of fecal contamination have been found in some bottled water.

Blaustein, Andrew R. and Pieter T. Johnson. 2003. "Explaining Frog Deformities" *Scientific American* 288(2): 60-65. Discusses three prime suspects in frog abnormalities.

Bounias, M. and M. Purdey. 2002. "Transmissible spongiform encephalopathies: a family of etiologically complex diseases-a review." *The Science of the Total Environment* 297(1-3): 1-19. A comprehensive review article.

Burger, J. 1997. "Recreation and Risk: Potential Exposure," *Journal of Toxicology and Environmental Health* 52 (3): 269-284. An examination of the risks from recreation on public lands.

Burger, J. and M. Gochfeld. 1997. "Risk, Mercury Levels, and Birds: Relating Adverse Laboratory Effects to Field Biomonitoring," *Environmental Resources* 75 (2): 160-172. An overview of mercury contamination in wild birds.

Calabrese, E.J. & Baldwin, L.A. 2003. "Toxicology rethinks its central belief." *Nature*, 421, 69 – 21. Potential pollutants and poisons may be beneficial in low doses says a controversial theory.

Calver, M. C. 2000. "Lessons from Preventive Medicine for the Precautionary Principle and Ecosystem Health." *Ecosystem Health* 6 (2): 99-107. A comparison of public health and ecosystem health.

Carlsen, Elisabeth et al. 1992. "Evidence for decreasing quality of semen during the past 50 years." *British Medical Journal* 305: 609-613. Meta-studies suggest sperm counts have decreased over the past 50 years.

Carpenter, R.A., et al. 1990. *Environmental Risk Assessment: Dealing with Uncertainty in Environmental Impact Assessment*. Asian Development Bank. A good discussion of uncertainty and risk.

Carrer, P., et al. 2001. "Allergens in indoor air: environmental assessment and health effects." *The Science of the Total Environment*. 270 (1-3): 33-42. An evaluation of

allergens as potential causes of “sick house-syndrome.” A special double issue on chronic low-level exposures and environmental health.

Castleman, M. 1993. "This Place Makes Me Sick," *Sierra* 78 (5): 106-110. For many people, "sick house syndrome," or hypersensitivity to commonly used chemicals, can make life miserable.

Catteruccia, F., Godfray, C. J. & Crisanti, A. 2003. “Impact of genetic manipulation on the fitness of *Anopheles stephensi* mosquitoes. *Science* 299: 1225-1227. Mosquitoes genetically engineered to be immune to malaria—a hope for ridding the world of the disease —won't get off the ground without serious help, new research warns.

Cello, J., Paul, A.V. & Wimmer, E. 2002. “Chemical synthesis of poliovirus cDNA: Generation of infectious virus in the absence of natural template”. *Science* published online, doi:10.1126/science.1072266. Researchers show that harmful viruses can be made from scratch.

Clarke, David. 1997. “Comparative Risk,” p. 215-217 in *Environmental Encyclopedia 2e*. William P. Cunningham, et al (eds) Gale Research. A good survey of risk assessment.

Chakraborti, D. et al. 2003. “Arsenic groundwater contamination in middle Ganga Plain, Bihar, India: A future danger?”. *Environmental Health Perspectives*, published online, doi:10.1289/ehp.5966 (2003). Arsenic-rich deposits could cover much of the Ganges Basin, stretching across the foot of the Himalayas from New Delhi to the Bay of Bengal.

Cinatl, J. et al. 2003. “Glycyrrhizin, an active component of liquorice roots, and replication of SARS-associated coronavirus.” *The Lancet* 361: 2045-2046. In lab tests licorice extract blocks the SARS virus from growing inside cells

Cheek, Ann O., et al. 1999. “Environmental Signaling: A Biological Context for Endocrine Disruption. *Environmental Health Perspectives* 106 Suppl 1. pgs. 5-10.

Chyba CF. 2001. “Biological security in a changed world.” *Science*. 293 (5539): 2349, 2001 Sep 28.

Colborn, Theo, et al. 1996. *Our Stolen Future: How We Are Threatening Our Fertility, Intelligence, and Survival -- A Scientific Detective Story*. Dutton Book. A sobering account of the effects of endocrine hormone-disrupting environmental pollutants.

Cone, Richard A. and Emily Martin. 1997. “Corporeal Flows: The Immune System, Global Economies of Food & Implications for Health,” *The Ecologist* 27 (3): 107-111. Changes in food production, transport, and consumption may be linked to increasing levels of allergies and autoimmune diseases.

Cornell University Center for the Environment. 1997 “Environmental Risk Factors,” *Environmental Update* , Spring 1997. Cornell University. [Web site:

<http://www.cfe.cornell.edu>] A useful examination of environmental risk, especially as related to breast cancer and toxics in the environment.

Covello VT. Peters RG. Wojtecki JG. and Hyde RC. 2001. "Risk communication, the West Nile virus epidemic, and bioterrorism: responding to the communication challenges posed by the intentional or unintentional release of a pathogen in an urban setting". *Journal of Urban Health*. 78 (2): 382-91.

Cunningham, William P. 1997. "Environmental Health," p 361-363 in Cunningham, et al., eds., *Environmental Encyclopedia 2e*. Gale Research. A brief overview of environmental health. See many other articles in this volume on other specific topics.

Darnerud, Per Ola et al, 2001. "Polybrominated Diphenyl Ethers: Occurrence, Dietary Exposure, and Toxicology," *Environmental Health Perspectives* Vol. 109 Supplement 1 (March 2001), pgs. 49-68. These widely used flame retardants, are a newly recognized persistent organic pollutant with potentially serious human health effects.

Daszak, P. et al. 2000. "Emerging Infectious Diseases of Wildlife-Threats to Biodiversity and Human Health." *Science* (US) 287: 443-449. New diseases sometimes cross species barriers threatening both humans and other species.

Davidson, N.E., et al. 1997. "Pesticides and Breast Cancer: Fact or Fad?" *Journal of the National Cancer Institute* 89 (23): 1743-1744

Davis, Devra. 2002. *When Smoke Ran Like Water: Tales of Environmental Deception and the Battle against Pollution*. Basic Books. The author shows instances in which science has been manipulated for corporate gain and at the expense of citizens' health.

Dhawan B., et al. .2001. "Bioterrorism: a threat for which we are ill prepared". *National Medical Journal of India*. 14 (4): 225-30, 2001 Jul-Aug. A review of bioterrorism from an Indian perspective.

Diamond, Jared. 1999. *Guns, Germs, and Steel: The Fates of Human Societies*. W.W. Norton & Co. Argues that exposure to domestic animals gave Eurasian people immunity to infectious diseases that overwhelmed indigenous populations in areas they invaded.

Dibb, Sue. 1995. "Swimming in a Sea of Oestrogen: Chemical Hormone Disrupters," *The Ecologist* 25 (1): 27-35, Expresses concern that a range of natural and synthetic chemicals, such as PCBs and dioxins and those contained in certain foods, detergents and plastics, can disrupt the body's hormonal balance.

Doherty, T.M., Olsen, A.W., van Pinxteren, L. & Andersen, P. 2002. "Oral vaccination with subunit vaccines protects animals against aerosol infection with *Mycobacterium tuberculosis*." *Infection and Immunity*, 70, 3111 - 3121, (2002). An oral vaccine may offer protection against TB.

Donnelly CA, et al. 2003. "Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong." *Lancet* 361 published online 03 May 2003

Drexler, Madeline. 2002. *Secret Agents: the Menace of Emerging Infections*. Joseph Henry Press. While many of us are absorbed with fears of bioterrorism, Drexler focuses on the threat of emerging natural pathogens.

Dubos, Rene. 1965. *Health and Disease*. Time Books. What is health? A distinguished biologist reflects on wellness.

Dumanoski, Diane. 1997. "Child's Plague," *Sierra* 82(6):46-51. Cancer, asthma, birth defects, aggression -- is pollution making kids sick?

Eaton, Joe. 2003. "Silent towers, empty skies." *Earth Island Journal* 18 (4): 30-33  
Vultures are disappearing from India, but no one knows why.

Epstein, Paul R. 2000. "Is Global Warming Harmful to Health?" *Scientific American* 283 (2): 50-57. Suggests that infectious diseases will surge as the climate warms.

Estrada-Franco, J. G. *et al* . 2003. "West Nile Virus in Mexico: Evidence of Widespread Circulation since July 2002." *Emerging Infectious Diseases* 9: 101-109

Ewald, Paul W. 2000. *Plague Time: How Stealth Infections Cause Cancers, Heart Disease, and Other Deadly Ailments*. Free Press (Science News Books). A controversial theory that chronic infections by viruses and bacteria cause most diseases, not pollution or lifestyle.

Ezzell, Carol. 2001. "Magic Bullets fly Again." *Scientific American* 285 (4): 34-41.  
Monoclonal antibodies offer a new hope for curing infectious diseases.

Fackelmann, Kathleen. 1998. "Tuberculosis Outbreak: An ancient killer strikes a new population," *Science News* 153: 73-75. A sad but interesting account of how a naive population reacts to its first encounter with a deadly disease.

Fagin, Dan and Marianne Lavelle. 1997. *Toxic Deception: How the Chemical Industry Manipulates Science, Bends the Law, and Endangers Your Health*. Common Courage Press. A muckraking report on toxic chemicals and public health.

Ferguson, N. M., et al. 2002. "Estimating the human health risk from possible BSE infection of the British sheep flock". *Nature* 413: 709-712. The BSE epidemic could be repeated in sheep.

Francis, B. M. 1994. *Toxic Substances in the Environment*. John Wiley & Sons. A textbook of toxicology.

Frongillo, E.A., et al. 2000. "Nutritional consequences of food insecurity in a rural New York State County" Discussion Paper no. 1120-97. Institute for Research on Poverty, University of Wisconsin, Madison, Wisconsin. Those who can't afford a good diet often buy the wrong kinds of food.

Gajalakshmi, V., et al. 2003. "Smoking and mortality from tuberculosis and other disease in India: retrospective study of 43,000 adult male deaths and 35,000 controls." *The Lancet*, 362: 507-515. Smoking doubles TB deaths

Garaudée, S. et al. 2002. "Allosteric effects in norbadiene: A clue for the accumulation process of <sup>137</sup>Cs in mushrooms?" *Chemical Communications* 2002: 944-945. Edible mushrooms can absorb radioactive air pollution because their pigments capture elements such as caesium

Gardner, M. J. et al. 2002. "Genome sequence of the human malaria parasite *Plasmodium falciparum*". *Nature* 419: 498-511. DNA sequencing may make a vaccine possible.

Garrett, Laurie. 1995. *The Coming Plague: Newly Emerging Diseases in a World Out of Balance*. Penguin Books. Yet another warning about emergent diseases.

Gaskel, G. et al. 1999. "Worlds apart? The Reception of Genetically Modified Foods in Europe and the U.S." *Science* (US) 285: 384-387, July 16, 1999. Controversy around acceptance of genetically modified organisms in human food.

Gibbs, Lois M. 1995. *Dying From Dioxin: a Citizen's Guide to Reclaiming Our Health and Rebuilding Democracy*. South End Press. The founder of the Love Canal, Citizens Clearinghouse for Hazardous Wastes describes how citizen activists shed light on toxic contamination.

Gibbs, W.W. 2003. "Untangling the Roots of Cancer." *Scientific American* 289( 1): 57-65. Recent evidence challenges long-held theories of how cells become malignant.

Gibbs, W. W. 1999. "Trailing a Virus," *Scientific American* 281 (2): 80-85. The detective story of how the origin of a new viral disease was discovered in Malaysia.

Giesy, J. P. and Kannan, K. "Global distribution of perfluorooctane sulfonate in wildlife." *Environmental Science and Technology* 35 (2001). Another widespread organic pollutant is found in food chains throughout the world.

Glass, G. E. 2000. "Using Remotely Sensed Data To Identify Areas at Risk for Hantavirus Pulmonary Syndrome," *Emerging Infectious Diseases*. 6 (3): 28-40. March-April 2000.

Glassner, Barry. 1999. *Fear*. Basic Books. Reveals the fallacy of persistent myths many of us fear.

Glatzel, M. et al. 2002. "Sharply increased Creutzfeldt-Jakob disease mortality in Switzerland". *Lancet* 360: 139-141. The number of people dying from sporadic Creutzfeldt-Jakob disease (CJD) has risen sharply in Switzerland. The finding is raising fears that 'mad cow disease' could have spread to humans in another form

Glenister, C.S and M.P. Hoffman. 1996. "Mass-Reared Natural Enemies: Science, Technology, and Information Needs," Chapter 11, *Conference Proceedings, Thomas Say Publications in Entomology*, Entomological Society of American. Mass production of organisms for biological pest control.

Gold, L.S., Slone, T.H., and Ames, B.N. 2001 "Natural and Synthetic Chemicals in the Diet: A Critical Analysis of Possible Cancer Hazards." In: *Issues in Environmental Science and Technology: Food Safety and Food Quality*, R.E. Hester & R.M. Harrison, eds. (Royal Society of Chemistry, Cambridge, UK), No. 15, pp. 95-128.

Goldstein, Bernard D, MD. 1996. "Health and Environment: Global Partners for Global Solutions," *World Information Transfer's World Ecology Report* 8 (2): 1-16. The lead article in a general review of human health and the environment.

Goldstein, Inge F. and Martin Goldstein. 2002. *How Much Risk?: A Guide to Understanding Environmental Health Hazards*. Oxford Univ. Press. Claims that some protective measures cost more than they're worth.

Gordis, Leon and Larry McGrew. 1996. *Epidemiology* (2<sup>nd</sup> ed). W. B. Saunders. A textbook for advanced students.

Greenpeace. 1997. "United they stand," *Greenpeace Quarterly* 2 (1): 6-10. People in rural Louisiana fight pollution and environmental racism.

Gregson, S. et al. 2002. "Sexual mixing patterns and sex-differentials in teenage exposure to HIV infection in rural Zimbabwe". *The Lancet* 359: 1896-1903 (2002). By having sex with older men, teenage Zimbabwean women are increasing their chances of catching HIV, this research suggests.

Grein, T. W., et al. 2000. "Rumors of Disease in the Global Village: Outbreak Verification," *Emerging Infectious Diseases*. 5 (2): 7-15. March/April 2000. Discusses the need for rapid assessment of disease outbreaks.

Grifo, Francesca and Joshua Rosenthal, eds. 1997. *Biodiversity and Human Health*. Island Press. Leading thinkers on the global environment and biomedicine explore the human health consequences of the loss of biological diversity.

Guillette, Elizabeth A. et al. 1998 "An anthropological approach to the evaluation of preschool children exposed to pesticides in Mexico." *Environmental Health Perspectives* 106: 347-353. Cognitive development is delayed significantly in children exposed to pesticides.

Gurunathan, S., et al. 1998. "Accumulation of Chlorpyrifos on Residential Surfaces and Toys Accessible to Children," *Environmental Health Perspectives* 106(1):9-16. A quantitative examination of major pathways and routes of exposure to pesticides for determining human risk.

Hansen, K., et al. "Compound-Specific, Quantitative Characterization of Organic Fluorochemicals in Biological Matrices". *Environmental Science and Technology* 35, 766 - 770 (2001).

Harvell CD, Kim K, Burkholder JM, et al. 1999. Emerging marine diseases climate links and anthropogenic factors. *Science* 285: 1505–10. Ecosystem modifications facilitate disease emergence.

Hayes, T.B, et al. 2002. "Hermaphroditic, demasculinized frogs after exposure to the herbicide, atrazine, at low ecologically relevant doses." *Proceedings Of The National Academy Of Sciences US* 99: pgs. 5476-5480.

Hester, R.E. & R.M. Harrison, eds. *Issues in Environmental Science and Technology* 15. Cambridge, UK: Royal Society of Chemistry, pp. 95-128.

Hobbs, K.E., M. Lebeuf, M. O. Hammill. 2002. "PCBs and OCPs in male harbour, grey, harp and hooded seals from the Estuary and Gulf of St Lawrence, Canada." *The Science of the Total Environment* 296 (1-3): 1-18. Toxins accumulate in wildlife.

Holmes. E. C. 2004. "Enhanced: 1918 and All That" *Science* 303 (5665): 1787-1788 (19 March 2004). Discusses why the deadly Spanish flu pandemic of 1918, which killed more people than World War I, may have been so virulent.

Hooper, K., et al. 1997. "Analysis of Breast Milk to Assess Exposure to Chlorinated Contaminants in Kazakstan," *Environmental Health Perspectives* 105 (11): 1250-1254

Hooper, Kim and Thomas A. McDonald, 2000. "The PBDEs: An Emerging Environmental Challenge and Another Reason for Breast-Milk Monitoring Programs," *Environmental Health Perspectives* Vol. 108, No. 5 (May 2000), pgs. 387-392. Polybrominated Diphenyl Ethers, widely used as flame retardants, are a newly recognized persistent organic pollutant with potentially serious human health effects.

Hughes JM. 2001 "Emerging infectious diseases: a CDC perspective". *Emerging Infectious Diseases*. 7 (3 Suppl): 494-496. Discusses how pathogens could be used for bioterrorism.

Hunt, P.A. et al. 2003. "Bisphenol A exposure causes meiotic aneuploidy in the female mouse:." *Current Biology*, 13: 546–553. A chemical commonly found in clear plastic food containers causes genetic abnormalities in mouse eggs.



Hwang, Ann. 2001. "AIDS Over Asia," *World Watch* 14 (1): 12-21. The pandemic that has ravaged southern Africa now threatens an even larger population in China and India.

Indur M. Goklany, , 2001. *The Precautionary Principle; A Critical Appraisal of Environmental Risk Assessment*. Cato Institute. A criticism of this approach.

Ito, J., Ghosh, A., Moreira, L. A., Wimmer, E. A. & Jacobs-Lorena, M. 2002. "Transgenic anopheline mosquitoes impaired in transmission of a malaria parasite". *Nature* 417: 452 – 455 (2002). Genetically modified mosquitoes may help prevent malaria.

Jensen, S., et al. 1997. "Environmental Pollution and Child Health in the Aral Sea Region in Kazakhstan," *Science of the Total Environment* 206 (2-3): 187-193. Inadequate nutrition, poor sanitation, collapse of the health care system and pollution from Soviet agriculture and industries have caused a catastrophic decline in human health.

Jensen, T. et al. 2002. "Another Phocine Distemper Outbreak in Europe". *Science*, 297: 209 (2002). Researchers fear reprise of 1988 epidemic that wiped out half of Europe's seals.

Jones, K.C. and P. de Voogt, 1999. "Persistent organic pollutants (POPs): The state of the science," *Environmental Pollution, Special Issue*, 100: 209-21. A good review of the topic.

Kaiser, Jocelyn. 1996. "Power Lines and Health: Panel Finds EMFs Pose No Threat," *Science* 274( 5289): 910. One in a long series of research articles for and against the health effects of EMFs.

Kalantzi. O. I., et al., 2001. "The global distribution of PCBs and organochlorine pesticides in butter," *Environmental Science and Technology*, 35: 1013-1018. A good study of the global distribution of POPs.

Kaplan, E. H., Craft, D. L. & Wein, L. M. 2002. "Emergency response to a smallpox attack: The case for mass vaccination." *Proceedings of the National Academy of Sciences*, 99: 10935 - 10940. Limited inoculation plans probably aren't effective in preventing an epidemic.

Keith, Lawrence H. 1997. *Environmental Endocrine Disruptors: A Handbook of Property Data*. New York: John Wiley & Sons, Inc. A comprehensive collection of data on this important topic.

Kettler, H. E. and R. Modi. 2001. "Building local research and development capacity for the prevention and cure of neglected diseases: the case of India," *Bulletin of the World Health Organization* 79: 742-747. Cipla, an Indian generic drug manufacturer, is selling HIV cocktails to MSF (Doctors without borders) for \$350 per year per patient.

Kim, Jim Yong, et al. (eds). 2000. *Dying for Growth: Global Inequality and the Health of the Poor*. Common Courage Press. Discusses the connections between globalization, neoliberal economics, poverty, and health.

Klaassen, Curtis D. (ed). 2001. *Casarett & Doull's Toxicology: The Basic Science of Poisons 6<sup>th</sup> ed.* McGraw-Hill Co.

Klatsky, A. S. 2003. "Drink to your health?" *Scientific American* 288 (2): 74-80. Alcohol in moderation offers cardiovascular benefits.

Kohli, R. M., Walsh, C. T. & Burkart, M. D. 2002. "Biomimetic synthesis and optimization of cyclic peptide antibiotics". *Nature* 418: 658-661. Natural enzyme makes new antibiotics to fight superbugs.

Koop, C. Everett, et al. 2002. *Critical Issues in Global Health*. Jossey-Bass Pub. A collection of essays by public health experts on important issues in international health

Kong, Q. et al. 2002. "Oral immunization with hepatitis B surface antigen expressed in transgenic plants". *Proceedings of the National Academy of Sciences* 98: 11539-11544. GMO crops could provide edible vaccines.

Knaus, K. J. et al. 2001. "Crystal structure of the human prion protein reveals a mechanism for oligomerization". *Nature Structural Biology* 8: 770-774. New images of these proteins show long arms that can wrap around partner molecules and exchange amino acid domains.

Korotkova, E. A. *et al.* 2003. "Retrospective analysis of a local cessation of vaccination against poliomyelitis: a possible scenario for the future." *Journal of Virology* 77: 12460 - 12465. Polio vaccine may cause disease.

Landrigan, Phillip et al. 2002. *Raising Healthy Children in a Toxic World: 101 Smart Solutions for Every Family*. Rodale Press. Suggests ways to improve the well-being and safety of your family at home, work, daycare, or the local park.

Leroy, E. M. *et al.* 2004. "Multiple Ebola transmission events and rapid decline of central African wildlife." *Science*, 303, 387 -390, (2004). Ebola is devastating African primates and spreads from animals to hunters

Levi, F. *et al.* 2004. "Monitoring falls in gastric cancer mortality in Europe." *Annals of Oncology* 15: 338-345. Fewer people in Europe are dying from cancer now than a generation ago

Ley, David H., J. Edward Berkhoff, and Sharon Levisohn. 1997. "Molecular Epidemiologic Investigations of *Mycoplasma gallisepticum* Conjunctivitis in Songbirds by Random Amplified Polymorphic DNA Analyses" *Emerging Infectious Diseases*. 3

(3): 133-144. The DNA of this emergent songbird disease doesn't match any known disease.

Longnecker, M. P., Klebanoff, M. A., Zhou, H. & Brock, J. W. 2001. "Association between maternal serum concentration of the DDT metabolite DDE and preterm, and small-for-gestational-age babies at birth." *Lancet* 358: 110–114.

Lowell Statement on Science and the Precautionary Principle, December 17, 2001; *Statement from the International Summit on Science and the Precautionary Principle; Hosted by the Lowell Center for Sustainable Production, University of Massachusetts Lowell 20-22 September 2002.* available at <http://www.uml.edu/centers/lcsp/precaution/>. The statement of 77 scientists and teachers affirming the precautionary principle.

Lohmann, R., et al., 2001. "Atmospheric distribution of polychlorinated dibenzo-p-dioxins, dibenzofurans (PCDD/Fs) and non-ortho biphenyls along a north-south Atlantic transect," *Environmental Science and Technology*, 35: 4046-4053.

Marr, J.S. & Calisher, C. H. 2003. "Alexander the Great and West Nile Virus". *Emerging Infectious Diseases* 9: 1599-1608. Dying ravens provide clue to conqueror's swift demise.

Martino, E. et al. 2003. "Soil fungal hyphae bind and attack asbestos fibers". *Angewandte Chemie International Edition*, 42: 219–222. Bioremediation might make fibre-contaminated soil safer.

Mattoon, Ashley. 2000. "Why the Amphibians?" *Worldwatch* 13 (4): 12-23. What's happening to frogs, toads and salamanders worldwide?

Mazdai, A, et al. 2003. Polybrominated Diphenyl Ethers in Maternal and Fetal Blood Samples. *Environmental Health Perspectives* doi:10.1289/ehp.6146. PBDEs, widely used as flame retardants in many consumer products interfere with thyroid hormone, function and are thus suspected of disrupting neurological development.

McCally Michael (ed). 2002. *Life Support: The Environment and Human Health*. MIT Press. Brings together many lines of evidence linking environmental quality and human health.

McCoy, D., et al. 2003. "Global Equity Gauge Alliance: Reflections on Early Experiences." *Journal of Health, Population and Nutrition* 21 (3): 273-287. Traces the evolution and working of the Global Equity Gauge Alliance and its efforts to promote health equity around the world.

McGinn, Anne P. 2000. "POPs Culture." *World Watch* 13 (2): 26-36. Discusses the threats from persistent organic pollutants.

Miller, Judith, Stephen Engelberg,, and William J. Broad 2001. *Germs: Biological Weapons and America's Secret War*. New York: Simon & Schuster. A popular best-seller on the topic of biological warfare.

Mitchell, Jennifer D. 1997. "Chemical Explosion," *World Watch Journal* 10(2):26. The release of new synthetic chemicals are out of control, and so are their apparent effects on alligators, frogs, and children.

Montague, P. 2000. "Dumbing Down the Children," *Rachel's Environment and Health Weekly* no. 687 February 17, 2000 [on line] URL <http://www.rachel.org/bulletin/index>. The first in a three-part series on the dangers of lead in the environment.

Montague, Peter. 1997. "The Truth About Breast Cancer," *Rachel's Environment & Health Weekly* #571, *Electronic Edition*. [Web site: <http://www.monitor.net/rachel>] Annapolis, MD: Environmental Research Foundation. A rather shrill but useful probe of the causes of breast cancer.

Morgan, M. G. 1993. "Risk Analysis and Management," *Scientific American* 269 (1): 32-40. Policymakers use analytical techniques to evaluate statistical probabilities of environmental hazards.

Morse, Stephen S. 1996. *Emerging Viruses*. Oxford University Press. A systematic exploration of the rapid evolution of emerging viruses with practical suggestions for prevention of future epidemics.

Mucci, L. A. *et al.* 2002. *British Journal of Cancer* 88: 84 – 89. No link found between acrylamide and breast cancer.

Murray, C .J. L. and A. D. Lopez. 2000. "Progress and directions in refining the global burden of disease." *Health Economics* 9: 69-82. An analysis of the daily burden of disease from different sources.

Nadakavukaren, Anne. 2000. *Our Global Environment: A Health Perspective*. Waveland press. A broad survey of the major environmental issues with a focus on personal and community health.

Ncayiyana, D. J. 2002. "Africa can solve its own health problems," *British Medical Journal*, 324: 688-689, March 23, 2002. While wealthy nations pursue drugs to treat baldness and obesity, depression in dogs, and erectile dysfunction, elsewhere millions are sick or dying from preventable or treatable infectious and parasitic diseases.

National Research Council. 1996. *Carcinogens and Anticarcinogens in the Human Diet: A Comparison of Naturally Occurring and Synthetic Substances*. Washington, DC: National Academy of Sciences USA,.

Needleman HL, et al. 1979. "Deficits in psychological and classroom performance of children with elevated dentine lead levels." *New England J Medicine*. 300: 689-695. A ground-breaking study of the effects of low lead levels in children.

Nendza, M., et al. 1997. "Potential for Secondary Poisoning and Biomagnification in Marine Organisms," *Chemosphere* 35 (9): 1875-1885. Discusses how food webs accumulate and magnify toxins.

Newman, Michael C. and Michael A. Unger. 2002. *Fundamentals of Ecotoxicology*. Lewis Publishers. A good textbook for advanced students.

Nicolaou, K. D. and C. N. Boddy. 2001. "Behind Enemy Lines." *Scientific American* 284 (5): 54-61. Microbes can defeat all current antibiotics but studies offer hope for new drugs.

O'Brien, Mary. 2000. *Making Better environmental Decisions: An Alternative to risk Assessment*. MIT Press. Recommends "alternatives assessment" as a new approach to health protection.

Osta, M. A., et al. 2004. *Science*, 303: 2030- 032. Researchers identify gene that makes insects attack parasite.

Osterholm, M. T. 2000. "Emerging Infections--Another Warning,." *The New England Journal of Medicine* April 27, 2000. 342 (17): 4-5. An overview of the dangers of emergent diseases with some recent examples from around the world.

Ottoboni, A. 1992. "The Dose Makes the Poison." *Garbage IV* (5): 38-42. A critical look at misconceptions about the dangers of synthetic chemicals. Although in conflict with the views of many environmentalists, this article deserves consideration.

Pantani, C., et al. 1997. "Comparative acute toxicity of some pesticides, metals, and surfactants to *Gammarus italicus* Goedm. and *Echinogammarus tibaldii*," *Bull Environ Contem Toxicol*. 59(6):963-967.

Patterson, K. L. et al. 2002. "The etiology of white pox, a lethal disease of the Caribbean elkhorn coral, *Acropora palmata*." *Proceedings of the National Academy of Sciences*. Human gut bacteria have been found associated with white pox disease, which has killed up to 90% of all the elkhorn coral in the Caribbean.

Peeters, M. et al. 2002. "Risk to human health from a plethora of simian immunodeficiency viruses in primate bushmeat". *Emerging Infectious Diseases*, 8, (2002). A survey finds that more than one-fifth of the monkey meat sold in the markets of Cameroon is infected with HIV's ancestor, SIV.

Peretz, D. et al. 2001. "Antibodies inhibit prion propagation and clear cell cultures of prion infectivity." *Nature*, 412, 739 - 743, (2001). Antibodies may help to fight prion

diseases, such as mad cow disease and human Creutzfeldt-Jacob disease (CJD), a new study hints

Platt, Anne E. 1996. *Infecting Ourselves: How Environmental and Social Disruptions Trigger Disease*. Worldwatch Paper 129. Worldwatch Institute. Ecological changes may be partly responsible for emergent diseases.

Pogoda, J.M., et al. 1997. "Household Pesticides and Risk of Pediatric Brain Tumors," *Environmental Health Perspectives* 105 (11): 1214-1220. The title speaks for itself.

Preston, Richard. 1995. *The Hot Zone*. Anchor Books. A sensationalized but highly readable account of Ebola outbreaks.

Price-Smith, Andrew T. 2001. *The Health of Nations: Infectious Disease, Environmental Change, and their Effects on National Security and Development*. MIT Press. A valuable review.

Quideau, S. et al. 2003. "DNA topoisomerase inhibitor acutissimin A and other flavanone-ellagitannins in red wine. *Angewandte Chemie International Edition* 42: 6012-6014. Polyphenols in wine, tea, and other plant produces may be potential anti-cancer agents.

Raffensperger, C. and J. Tickner. 1999. *Protecting Public Health and the Environment: Implementing the Precautionary Principle*. Island Press. Discusses the philosophical foundation and application of the precautionary principle in health planning.

Ragunath D. 2001. "Biological warfare: bioterrorism". *National Medical Journal of India*. 14 (4): 194-6, 2001 Jul-Aug. A useful discussion of bioterrorism threats.

Reiter, P. 2000. "From Shakespeare to Defoe: Malaria in England in the Little Ice Age," *Emerging Infectious Diseases*. 6(1):9-18 Jan-Feb 2000. Discusses connections between climate, social conditions, and infectious diseases.

Reinthal, F.F., et al. 2003. "Antibiotic resistance of E. coli in sewage and sludge." *Water Research*. 37 (8): 1685-1690. Bacterial antibiotic resistance is an increasing problem.

Ridley, M. 2000. "Asthma, Environment, and the Genome," *Natural History* 109 (2): 54-64. What is the connection between pollution and asthma?

Ritter, L. 1997. "Report of a Panel on the Relationship between Public Exposure to Pesticides and Cancer," *Cancer* 80 (10): 2019-2033. Ad Hoc Panel on Pesticides and Cancer. National Cancer Institute of Canada. A Canadian view of cancer risks of pesticides.

Rivlin, Michael A. 2001. "Northern Exposure." *On Earth* 23 (3): 14-20. Persistent organic pollutants are accumulating in people and wildlife of the far north.

Robbins, K.E. et al. 2003. "U.S. Human immunodeficiency virus type 1 epidemic: date of origin, population history and characteristics of early strains." *Journal of Virology*, 77, 6359 - 6366. HIV probably entered North America long before the first AIDS cases were recognized.

Rodgers, Paul et al. 1999. "Biological Warfare against Crops." *Scientific American*. 280 (6): 70-75. Intentional unleashing organisms that kill an enemy's food crops is a potentially devastating weapon of warfare and terrorism.

Rodricks, Joseph V. 1994. *Calculated risks: Understanding the toxicity of chemicals in our environment*. Cambridge University Press. Understanding risks.

Rolston, H. 3d. 1996. "Science, Advocacy, Human and Environmental Health," *Science of the Total Environment* 184 (1-2): 51-56. Argues that ecosystem health should replace commodity-based sustainable development as a policy goal because of the links between ecosystems and human health.

Sachs J and Malaney P. 2002. The economic and social burden of malaria. *Nature* 415: 680-85.

Savage, D. D., et al. 2002. "Dose-dependent effects of prenatal ethanol exposure on synaptic plasticity and learning in mature offspring." *Alcoholism: Clinical and Experimental Research* 26: 1752-1758. Rat studies suggest that even small amounts of alcohol can damage the fetus.

Schettler, Ted, et al. 2000. *Generations at Risk: Reproductive Health and the Environment*. MIT Press. A handbook on chemical toxicity and reproductive health.

Shiver, John W., et al. 2002. "Replication-incompetent adenoviral vaccine vector elicits effective anti-immunodeficiency-virus immunity" *Nature* 415: 331-335. Fifty-two co-authors report progress in developing an anti-HIV vaccine.

Shankar, Nathan, et al. 2002. "Modulation of virulence within a pathogenicity island in vancomycin-resistant *Enterococcus faecalis*." *Nature* 417: 746-750. Genetic analysis of antibiotic-resistant *Enterococcus* species reveals genes responsible for virulence.

Shnayerson, M. and M. J. Plotkin. 2002. *The Killers Within: The Deadly Rise of Drug-Resistant Bacteria*. Little Co.

Slovic, Paul. 2000. *The Perception of Risk* Earthscan Pub. An excellent analysis of risk perception and risk analysis.

Slovic, Paul. 19987. "Perception of Risk." *Science* 236 (4799): 286-290. An excellent discussion of risk assessment.

Soares, Christine. 2003. "Caught Off Guard" *Scientific American* 288 (6): 18—19. SARS reveals gaps in global disease defense.

Steingraber, Sandra. 1998. *Living Downstream: A Scientist's Personal Investigation of Cancer and the Environment*. Vintage Books. An eloquent and impassioned book following in Rachel Carson's legacy.

Surolia, N. & Surolia, A. 2001. "Triclosan offers protection against blood stages of malaria by inhibiting enoyl-ACP reductase of *Plasmodium falciparum*". *Nature Medicine* 7,; 167 – 73. A common ingredient in hand soap may help eliminate sleeping sickness.

Thornton, Joe. 2000. *Pandora's Poison: Chlorine, Health, and a New environmental Strategy*. MIT Press. Arguments for banning persistent organic pollutants.

Tickner, Joel A. 2002. *Precaution, Environmental Science, and Preventive Public Policy*. Island Press. Explores how the precautionary principle can be used in environmental and public health.

Tollefsen, K. -E. 2002. "Interaction of estrogen mimics, singly and in combination, with plasma sex steroid-binding proteins in rainbow trout (*Oncorhynchus mykiss*)," *Aquatic Toxicology*. 56 (3): 215-225.

Tornquist, M. et al. 202. "Acrylamide: A cooking carcinogen?" *Chemical Research in Toxicology*, 13: 517-522. Frying and baking create a potential carcinogen in some foods.

Torres Viera, C. et al. 2001. "Restoration of vancomycin susceptibility in *Enterococcus faecalis* by antiresistance determinant gene transfer." *Antimicrobial Agents and Chemotherapy* 45: 973 – 975. Researchers restored antibiotic susceptibility to drug-resistant bacteria in the lab by giving them new genes.

U.S. Department of Health and Human Services. 2000. *Healthy People 2010. 2nd ed. With Understanding and Improving Health and Objectives for Improving Health*. Vol. 1, Part 7. U.S. Government Printing Office We can design our homes and cities for healthy living.

Wald, N. J. & Law, M. R. "A strategy to reduce heart disease by more than 80%." *British Medical Journal*, 326: 1419-1423. A single polypill containing three different drugs could reduce heart attacks by reducing blood pressure, lowering cholesterol, and curbing homocysteine levels.

Walsh, P. et al. 2003. "Catastrophic ape decline in western equatorial Africa". *Nature*, published online, doi:10.1038/nature01566 (2003). Ebola appears to be killing gorillas in the Congo.



Walters, Mark Jerome. 2003. *Six Modern Plagues and How We Are Causing Them*. Island Press. Shows how human actions have triggered emergent diseases such as AIDS, hantavirus, BSE and West Nile Virus.

Walters, Mark Jerome. 2003. "Ecology of a Virus." *Orion* 22 (6): 72-73. What influenza has to teach us about the web of life.

Wargo, John. 1996. *Our Children's Toxic Legacy: How Science Failed to Protect Us from Pesticides*. Island Press. The history of pesticide law and science with a focus on the special hazards faced by children.

Webster, D. E. et al. 2002. "Successful boosting of a DNA measles immunization with an oral plant-derived measles virus vaccine". *Journal of Virology*, 76: 7910-7912. GMO crops could provide edible antigens.

Wengelnik, K., et al., 2002. "A class of potent antimalarials and their specific accumulation in infected erythrocytes," *Science*: 295: 1311-1314. New hope for curing malaria.

Wilhelm, M., A. Pesch, U. Rostek, J. Begerow, N. Schmitz, H. Idel, U. Ranft. 2002. "Concentrations of lead in blood, hair and saliva of German children living in three different areas of traffic density." *The Science of the Total Environment*. 297 (1-3): 109-118.

Williams, Phillip L., et al. (eds). 2000. *The Principles of Toxicology: Environmental and Industrial Applications*, 2<sup>nd</sup> ed. Wiley-Interscience. A source book for advanced students.

Wirthlin Worldwide, "The Precautionary Principle: Throwing Science Out with the Bath Water," *Worthlin Worldwide Issues Perspective* February, 2000. pgs. 1-8; available at <http://209.204.197.52/publicns/report/PPFINAL.PDF>. Attacks the idea of a precautionary principle.

Woloshin, S. et al. 2002. "Risk Charts: Putting Cancer in Context." *J. of the National Cancer Institute* 94 (11): 799-84. A new method of expressing cancer risks.

World Health Organization. 2003. *World Health Report*. New York: Oxford University Press

Yam, Philip. 2003. "Shoot This Deer." *Scientific American* 288 (6): 38-43. A good description of the spread of chronic wasting disease among deer and elk.

Yeargin-Allsopp, M, C Rice, T Karapurkar, N Doernberg, C Boyle and C Murphy. 2003. "Prevalence of autism in a US metropolitan area." *Journal of the American Medical Association* 289:49-55. Autism in Atlanta is reported to be 10-fold higher than expected from previous rates. The cause is unknown although additional testing and new definitions of the condition may be partly responsible for the increase.

Young, John A. T. and R. John Collier. 2002. "Attacking Anthrax." *Scientific American* 286(3): 48-59. Recent discoveries suggest new strategies for combating anthrax.

Zhou, H. et al. 2001. "Radiation risk to low levels of alpha particles may be greater than we thought." *Proceedings of the National Academy of Sciences* 98: 14410 – 14415. A new analysis of the risks of radon in indoor air.