

READINGS - Ecology 460 - Spring 2007

Introduction

- Diamond, J. 1986. Overview: laboratory experiments, field experiments, and natural experiments. Pp. 3-22 in J. Diamond and T. J. Case (eds.), *Community ecology*. Harper & Row.
- Carpenter, S. R., S. W. Christolm, C. J. Krebs, D. W. Schindler, and R. F. Wright. 1995. Ecosystem experiments. *Science* 269:324-327.

Ecology of individuals

- Givnish, T.J., R.A. Montgomery, and G. Goldstein. 2004. Adaptive radiation of photosynthetic physiology in the Hawaiian lobeliads: light regimes, static light responses, and whole-plant compensation points. *American Journal of Botany* 91: 228-246.

Ecology of populations

- Webster, M.S. 2004. Density dependence via intercohort competition in a coral-reef fish. *Ecology* 85:986-994.
- World Resources Institute (WRI). 2005. Population and Education. Pp. 176-177 (Data Table 1) in World Resources Institute (WRI) in collaboration with United Nations Development Programme, United Nations Environment Programme, and World Bank (eds.). *World Resources 2005: The Wealth of the Poor – Managing Ecosystems to Fight Poverty*. Washington, DC: WRI.
- Simons, T. R., G. L. Farnsworth, and S. A. Shriner. 2000. Evaluating Great Smoky Mountains National Park as a population source for the wood thrush. *Conservation Biology* 14:1133-1144.
- Choler, P., R. Michalet, and R. M. Callaway. 2001. Facilitation and competition on gradients in alpine plant communities. *Ecology* 82:3295-3308.
- Grant, P.R. and R. Grant. 2006. Evolution of character displacement in Darwin's Finches. *Science* 313:224 - 226.
- Wilmer, C.C., E. Post, R.O. Peterson RO, and J.A. Vucetich. 2006. Predator disease out-break modulates top-down, bottom-up and climatic effects on herbivore population dynamics. *Ecology Letters* 9: 383-389.
- DeWalt, S.J., J.S. Denslow, and K. Ickes. 2004. Natural-enemy release facilitates habitat expansion of the invasive tropical shrub *Clidemia hirta*. *Ecology* 85:471-483.
- Davey, C., A.R.E. Sinclair, R.P. Pech, A.D. Arthur, C.J. Krebs, A.E. Newsome, D. Hik, R. Molsher, and K. Allcock. 2006. Do exotic vertebrates structure the biota of Australia? An experimental test in New South Wales. *Ecosystems* 9:992-1008.

Ecology of communities, ecosystems, and landscapes

- Asner, G.P. and P.M. Vitousek. 2005. Remote analysis of biological invasion and biogeochemical change. *Proceedings of the National Academy of Sciences of the United States of America* 102:4383-4386.
- Swetnam, T. W. 1993. Fire history and climate change in giant sequoia groves. *Science* 262:885-889.
- Leach, M. K., and T. J. Givnish. 1996. Ecological determinants of species loss in prairie remnants. *Science* 273:1555-1558.
- Damschen E.I, N.M. Haddad, J.L. Orrock, J.J. Tewksbury, and D.J. Levey. 2006. Corridors increase plant species richness at large scales. *Science* 313:1284-1286.
- Chadwick, O.A., L.A. Derry, P.M. Vitousek, B.J. Huebert, and L.O. Hedin. 1999. Changing sources of nutrients during four million years of ecosystem development. *Nature* 397:491-497.
- Rolett, B. and J. Diamond. 2004. Environmental predictors of pre-European deforestation on Pacific islands. *Nature* 431:443-446.

Ecology of the biosphere

- Cardinale, B.J., D.S. Srivastava, J.E. Duffy, J.E. Duffy, J.P. Wright, A.L. Downing, M. Sankaran and C. Jouseau. 2006. Effects of biodiversity on the functioning of trophic groups and ecosystems. *Nature* 443:989-992.
- Wackernagel, M., N.B. Schulz, D. Deumling, A.C. Linares, M. Jenkins, V. Kapos, C. Monfreda, J. Loh, N. Myers, R. Norgaard, and J. Randers. 2002. Tracking the ecological overshoot of the human economy. *Proceedings of the National Academy of Sciences of the United States of America* 99:9266-9271.
- Vitousek, P. M., H. A. Mooney, J. Lubchenco, and J. M. Melillo. 1997. Human domination of earth's ecosystems. *Science* 277:494-499.
- Davies, R.G., C.D.L. Orme, V. Olson, G.H. Thomas, S.G. Ross, T.-S. Ding, P.C. Rasmussen, A.J. Stattersfield, P.M. Bennett, T.M. Blackburn, I.P.F. Owens, K.J. Gaston. 2006. Human impacts and the global distribution of extinction risk. *Proceedings of the Royal Society B-Biological Sciences* 273:2127-2133.