

## Publications

(undergraduate student names in italics)

### 2005

- Bush, M. B., Hansen, B. C. S., **Rodbell, D. T.** Seltzer, G. O., Young, K. R., Léon, B., Abbott, M. B., Silman, M. R., and Gosling, W. D., 2005, A 17,000-year history of Andean climate and vegetation change from Laguna de Chochos, Peru: *Journal of Quaternary Science*, v. 20, p. 703-714.
- Farber, D. L., Hancock, G. S., Finkel, R. C., and **Rodbell, D. T.**, 2005, The age and extent of tropical alpine glaciation in the Cordillera Blanca, Peru: *Journal of Quaternary Science*, v. 20, p. 759-776.
- Flusche, M. A.** Seltzer, G. O., **Rodbell, D. T.**, Siegel, D., Samson, S., 2005, The hydrogeochemistry of Lake Junin, Peru: *Journal of Hydrology*.
- Ramage, J. M., Smith, J. A., **Rodbell, D. T.**, and Seltzer, G. O., 2005, Comparing reconstructed Pleistocene equilibrium-line altitudes in the tropical Andes of central Peru: *Journal of Quaternary Science*, v. 20, p. 777-788.
- Rodbell, D. T., and Gremillion, P., 2005, A winter field-based course on limnology and paleolimnology: *Journal of Geological Education* v. 53, p. 494-500.
- Rodbell, D. T. (editor), 2005, Fieldtrip Guidebook Northeastern Section of the Geological Society of America 40<sup>th</sup> Annual Meeting (March 14-16), Saratoga Springs, New York.
- Rodbell, D. T. (Guest Editor), 2005, Glacial Geology and Palaeoclimate Records from the Americas: in Memory of Geoffrey Owen Seltzer 1959-2005: *Journal of Quaternary Science*, v. 20, number 7-8
- Rodbell, D. T., 2005, Introduction: Geoffrey Owen Seltzer, 1959-2005: *Journal of Quaternary Science*, v. 20, p. 621-624
- Seltzer, G. O., and **Rodbell, D. T.**, 2005, Delta progradation and Neoglaciation, Laguna Parón, Cordillera Blanca, Perú: *Journal of Quaternary Science*, v. 20, p. 715-722.
- Smith, J. A., Finkel, R. C., Farber, D. L., **Rodbell, D. T.**, and Seltzer, G. O., 2005, Moraine preservation and boulder erosion in the tropical Andes: interpreting old surface exposure ages in glaciated valleys: *Journal of Quaternary Science*, v. 20, p. 735-758.
- Smith, J. A., Seltzer, G. O., Rodbell, D. T., and Klein, A. G., 2005, Regional synthesis of last glacial maximum snowlines in the tropical Andes, South America: *Quaternary International*.
- Smith, J. A., Seltzer, G. O., Farber, D. L., **Rodbell, D. T.**, and Finkel, R. C., 2005, Early Last Glacial Maximum in the Tropical Andes: *Science*, v. 308, p. 678-680.

### 2004

- Mark, B. G., Seltzer, G. O., and **Rodbell, D. T.**, 2004, Late Quaternary glaciations of Ecuador, Peru, and Bolivia, in Ehlers, J., and Gibbard, P. L., ed., *Quaternary Glaciations—Extent and Chronology, Part III*, Elsevier, p. 151-163.

### 2003

- Abbott, M. B., Wolfe, B. B., Wolfe, A. P., Seltzer, G. O., Aravena, R., Mark, B. G., Polissar, P. J., **Rodbell, D. T.**, Rowe, H. D., Vuille, M., 2003, Holocene Paleohydrology and glacial history of the central Andes using multiproxy lake sediment studies: *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 194, p. 123-138.
- Hansen, B. C. S., **Rodbell, D. T.**, Seltzer, G. O., Leon, B., Young, K. R., and Abbott, M. B., 2003, Late glacial and Holocene vegetational history from two sites in the western cordillera of southwestern Ecuador: *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 194, p. 79-108.
- Toney, J. L.**, **Rodbell, D. T.**, and Miller, N. G., 2003, Sedimentologic and palynologic records of the last deglaciation and Holocene from Ballston Lake, New York: *Quaternary Research*, v., 60, p. 189-199.

### 2002

- Mark, B. G., Seltzer, G. O., **Rodbell, D. T.**, and **Goodman, A. Y.**, 2002., Late glacial and Holocene deglaciation in the Cordillera Vilcanota-Queelccaya Ice Cap region, SE Perú: *Quaternary Research*, v. 57, p. 287-298.

- Moy, C.** Seltzer, G. O., **Rodbell, D. T.**, and Anderson, D., 2002, Subdecadal-millennial scale variability in the El Niño Southern Oscillation as recorded in lake sediments from southern Ecuador: *Nature* v. 420, 162-165.
- Rodbell, D. T., **Bagnato, S.**, **Nebolini, J. C.**, Seltzer, G. O., and Abbott, M. B., 2002, A late glacial-Holocene tephrochronology for glacial lakes in southern Ecuador: *Quaternary Research*, v. 57, p. 343-354.
- Rodbell, D. T., 2002, Book Review of *The two-mile time machine: ice cores, abrupt climate change, and our future* by Richard Alley (2000, Princeton University Press, 229 p.): *The Holocene* v. 12, p. 377-378.
- Rodbell, D. T., 2002, Selected till and stratified drift deposits between Glen's Falls and Amsterdam, New York, *New England Intercollegiate Geology Conference*, p. C10-1—C10-9.
- Seltzer, G. O., **Rodbell, D. T.**, Baker, P. A., Tapia, P., Fritz, S. F., Rowe, H., and Dunbar, R., 2002, Asynchronous warming of the tropics at the last glacial-interglacial transition: *Science* v. 296, p. 1685-1686.
- Seltzer, G. O., **Rodbell, D. T.**, Baker, P. A., Fritz, S. F., Tapia, P., Rowe, H., and Dunbar, R., 2002, Early Deglaciation in the Tropical Andes (Discussion and Reply): *Science* v. 298, p. 1685-1686.

## 2001

- Goodman, A.Y.**, **Rodbell, D. T.**, Seltzer, G. O., and Mark, B. G., 2001, Subdivision of glacial deposits in southeastern Perú based on pedogenic development and radiometric dates: *Quaternary Research*, v. 56, p. 31-50

## 2000

- Rodbell, D. T., 2000, The Younger Dryas: Cold, Cold Everywhere?: *Science*, v. 290, p. 285-286.
- Rodbell, D. T., and Seltzer, G. O., 2000, Rapid ice margin fluctuations during the Younger Dryas in the tropical Andes: *Quaternary Research*, v. 54, p. 328-338.
- Seltzer, G. O., **Rodbell, D. T.**, and Burns, S., 2000, Isotopic evidence for late Quaternary climate change in tropical South America: *Geology*, v. 28, p. 35-38.

## 1999

- Rodbell, D. T., Seltzer, G. O., Anderson, D. M., Abbott, M. B., Enfield, D. B., and **Newman, J. H.**, 1999, A ~15,000 year record of El-Niño driven alluviation in southwestern Ecuador: *Science*, v. 283, p. 516-520.

## 1990-1998

- Birkeland, P.W., **Rodbell, D.T.**, and Short, S.K., 1989, Radiocarbon dates on deglaciation, Cordillera Central, northern Peruvian Andes: *Quaternary Research*, v. 32, p. 111-113.
- Birkeland, P.W., **Rodbell, D.T.**, Miller, D.C., and Short, S.K., 1989, Investigaciones geológicas en el Parque Nacional Río Abiseo, San Martín: *Boletín de Lima*: no. 64, p. 55-64.
- Miller, D.C., Birkeland, P.W., and **Rodbell, D.T.**, 1993, Evidence for Holocene stability of steep slopes, northern Peruvian Andes, based on soils and radiocarbon dates: *Catena*, v. 20, p. 1-12.
- Hansen, B.C.S., and **Rodbell, D.T.**, 1995, A late-glacial/Holocene pollen record from the eastern Andes of northern Peru: *Quaternary Research*, v. 44, p. 216-227.
- Osborne, G., Clapperton, C.M., Davis, P.T., Reasoner, M., **Rodbell, D.T.**, Seltzer, G.O., and Zielinski, G., 1995, Potential glacial evidence for the Younger Dryas event in the cordillera of North and South America: *Quaternary Science Reviews*, v. 14, p. 823-832.
- Rodbell, D.T., Forman, S.L., Pierson, J., Lynn, W. C., 1997, The stratigraphy and chronology of Mississippi Valley loess in western Tennessee: *Geological Society of America Bulletin*, v. 109, p. 1134-1148.
- Rodbell, D.T., 1996, Subdivision of fluvial terraces in northwestern Tennessee based on subsurface stratigraphy and morphometry: *U.S. Geological Survey Bulletin* 2128.
- Rodbell, D. T., and **Hays, P. S.**, 1995, Fluvial and hillslope geomorphology of the Plotterkill Preserve, Rotterdam, New York: In Garver, J. I., and Smith, J. A. (editors), *Field Trips for the 67th annual meeting of the New York State Geological Association, Union College, Schenectady, NY*, p. 293-302.

- Rodbell, D.T., and Schweig, E.S.III., 1993, The record of seismically-induced liquefaction on late Quaternary terraces in northwestern Tennessee: *Bulletin of the Seismological Society of America*, v. 83, p. 269-278.
- Rodbell, D.T., 1993, Subdivision of late Pleistocene moraines in the Cordillera Blanca, Peru based on rock weathering features, soils and radiocarbon dates: *Quaternary Research*, v. 39, p. 133-143.
- Rodbell, D.T., 1993, The timing of the last deglaciation in Cordillera Oriental, northern Peru based on glacial geology and lake sedimentology: *Geological Society of America Bulletin*, v. 105, p. 923-934.
- Rodbell, D.T., and Bradley, L.A., 1993, Logs of exploratory trenches through liquefaction features on late Quaternary terraces in the Obion River Valley, northwestern Tennessee: *U.S. Geological Survey Miscellaneous Field Studies Map MF 2218*, 2 sheets.
- Rodbell, D.T., Reynolds, R. L., and Rosenbaum, J.G., 1993, Mineral magnetic studies of Mississippi Valley loess: in Markewich, H.W. (ed.) Progress report on chronostratigraphic and paleoclimatic studies, middle Mississippi River Valley, eastern Arkansas and western Tennessee: *U.S. Geological Survey Open File Report 93-273*, p. 23-25.
- Rodbell, D.T., 1992, Lichenometric and radiocarbon dating of Holocene glaciation, Cordillera Blanca, Perú: *The Holocene*, v. 2, p. 19-29.
- Rodbell, D.T., 1992, Late Pleistocene equilibrium-line altitude reconstructions in the northern Peruvian Andes: *Boreas*, v. 21, p. 43-52.
- Rodbell, D.T., 1990, Soil-age relationships on late Quaternary moraines, Arrowsmith Range, Southern Alps, New Zealand: *Arctic and Alpine Research*, v. 22, p. 355-365.
- Seltzer, G. O., **Rodbell, D.T.**, Abbott, M., 1995, Andean glacial lakes and climatic variability since the last glacial maximum: *Bulletin de l'Institut Français d'Études Andines*, v. 24, p. 539-549.