



Gregory Allen Pope
Curriculum Vitae, December 1, 2008

CONTACT INFORMATION

Office:

Department of Earth and Environmental Studies
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PERSONAL INFORMATION

Current position and rank

Associate Professor (tenured) at Montclair State University, Doctoral Faculty

Areas of research interest

Geomorphology, weathering processes, soil development, geoarchaeology, stone conservation, atmospheric acid deposition, global environmental change.

Areas of teaching interest

Physical geography, environmental geology, environmental studies

Biography

Raised in Colorado; East Coast resident since 1996. Married, one child. Hobbies include music performance, outdoor recreation, cooking, travel, and aviation history.

Education

- 1994 Ph.D., Geography, Arizona State University. Advisor: Ronald I. Dorn. Dissertation: *A Weathering Boundary Layer Model to Interpret Spatial Variation in Weathering*.
- 1990 M.A., Geography, Arizona State University. Co-advisors: Ronald I. Dorn and Melvin G. Marcus. Thesis: *Quartz Decrystallization in Glacial Tills, Eastern Sierra Nevada, California*.
- 1987 B.A., Distributed Studies (in Geology and Geography), University of Colorado, Colorado Springs. Graduated with honors.

Employment

- 2001- Associate Professor, Department of Earth and Environmental Studies, Montclair State University, Upper Montclair, New Jersey. Tenured and promoted. Doctoral Faculty awarded 2003.
- 2003-06 Chair, Department of Earth and Environmental Studies, Montclair State University, Upper Montclair, New Jersey
- 2001-03 Associate Chair, Department of Earth and Environmental Studies, Montclair State University, Upper Montclair, New Jersey (acting chair for Spring 2003 semester)
- 2002 (fall) Visiting Professor, Department of Geography/Geoscience, New Jersey City University, Jersey City, New Jersey.
- 1996-2001 Assistant Professor, Department of Earth and Environmental Studies, Montclair State University, Upper Montclair, New Jersey.
- 1995-96 Visiting Lecturer, Department of Geography, University of Southern California, Los Angeles.
- 1995 Mine Inspector Intern, Abandoned and Inactive Mine Survey, Arizona State Mine Inspector Office, Phoenix.
- 1995 Faculty Associate, Department of Geography, Arizona State University, Tempe.
- 1995 Field Analyst, Archaeological Consulting Services, Ltd., Tempe, Arizona, Tempe.
- 1994 Teaching Associate, Department of Geography, Arizona State University, Tempe.

- 1993-94 Graduate Associate, Office of Research and Creative Activities, Vice President for Research, Arizona State University, Tempe.
- 1990-93 Teaching Associate, Department of Geography, Arizona State University, Tempe.
- 1989-92 Research Assistant, Department of Geography, Arizona State University, Tempe.
- 1988-89 Teaching assistant, Department of Geography, Arizona State University, Tempe.
- 1988 Geography Intern, National Geographic Society, Washington, D.C. (Winter/Spring semester)

Consulting

- 2004-08 Scholar (expert witness) on file, The Round Table Group
- 2004 Expert witness, for Mr. Joseph Lipari, Toms River, New Jersey [house site and climate]
- 1996 Reviewer and panelist, Prentice Hall Publishing Company
- 1995 Geoarchaeologist, Dames & Moore, Inc., Phoenix, Arizona.
- 1994-95 Petrographic analyst, Archaeological Consulting Services, Tempe, Arizona.
- 1993 Contributing writer, National Geography Bee, National Geographic Society, Washington, DC.

RESEARCH (GRANTS, PUBLICATIONS, PRESENTATIONS)

Grants and contracts

[external grants appear in boldface type]

- 2008 **Small Grants for Interdisciplinary Research, Montclair State University (\$3000, PI).**
“Establishing a laboratory for Materials Analysis”.
- 2007- **National Science Foundation, GK-12 Program** (faculty stipend as participant). “Fellows in the Middle: Partnerships for Inquiry and Interdisciplinary Middle School Science and Mathematics”. (Faculty participant on grant; K. Wolff, M. Munakata, and M. West, PI’s).
- 2006 **American Chemical Society Project SEED** (\$1675, faculty participant). Fellowship for high school student laboratory assistant, awarded directly to the student.
- 2005 **National Science Foundation, Major Research Instrumentation, Earth Sciences Division** (8/15/05-7/31/07, \$197,649). “Acquisition of a Vibrating Sample Magnetometer at Montclair State University.” (S. Brachfeld, P.I., with co-P.I.s G. Pope, Z. Feng, M. Gorrington, and M. West.)
- 2004 Student Faculty Research Project, Montclair State University (\$1500, PI). “Soil Mineralogy as Impacted by Forest Fires.”
- 2002 **National Science Foundation, Geography Division, Small Grants for Experimental Research** (8/10/02-7/31/03, BCS-0240303, \$17,065). “Forest Fires and Soil Weathering: Do Extreme Wildfire Events Impact the Weathering of Soil Mineral Components?” (G. Pope, PI, with co-PIs B.P. Neus and S. J. Gordon)
- 2002 Summer Grant Proposal Development Award, Montclair State University (\$4000, PI). “Weathering Cookies: Long Term Acid Pollution Monitoring with Educational Outreach” (with Jaclyn Willis).
- 2001 **New Jersey Department of Environmental Protection** (\$20,000, subcontract). Urban heat islands in New Jersey. (W. D. Solecki, P.I.)

- 2000 **National Science Foundation, Geography Division.** (8/1/2000-7/31/2004, BCS-0078557, \$159,970). “Geographic Analysis of the S1 Paleosol, Chinese Loess Plateau” (Z.-D. Feng, PI, G. Pope co-PI).
- 2000 Global Education Center, Montclair State University (\$800, PI). “Presentation of a paper at the Weathering 2000 Conference, Queen’s University, Belfast, Northern Ireland, June 26-30, 2000”.
- 2000 Alumni Association Grant, Montclair State University (\$1500, PI). “Millennium Cookies: A Low-Cost, Long-Term Environmental Monitoring Project”
- 2000 Separately Budgeted Research, Montclair State University (\$1000, PI). “Soil Testing for Human Wastes in Prehistoric Sites in the Southwest US”
- 2000 Student Faculty Research Project, Montclair State University (\$500, PI). “Continued Monitoring of Air Pollution Impact on Urban Structures”.
- 2000 GRIPSAM Grant, Montclair State University (\$2050, PI). “Determining the Age of Paleoalluvium atop the Front Range, Colorado”.
- 1999 **Purdue Rare Isotope Measurement Laboratory Free Seed Analysis Program** (\$7850 in-kind funding, PI). “Determining the Age of Paleoalluvium atop Rampart Range, Teller and eastern Park Counties, Colorado”.
- 1999 **National Science Foundation, (CCLI).** (1/1/2000-12/31/2001, DUE-9952667, \$61,325, co-PI). “Integration of Undergraduate Research Activities in the Geological and Biological Environmental Science Concentration Using an Inductively Coupled Plasma Spectrometer”. (M. Gorrington, P.I., with co-P.I.s G. Pope, J. Lincoln, D. Ophori, and B. Lustigman)
- 1999 Student Faculty Research Project, Montclair State University (\$1485, PI). “Analysis of the Effects of Urban Pollution on Building Stones and Monuments”
- 1998 Global Education Project, Montclair State University (\$2400, PI). “Investigating the Deterioration of Carved Stone in Evora, Portugal”
- 1998 Technology minigrant. Montclair State University (\$1000, co-PI). “Satellite Coverage of New Jersey” [with W. Solecki]
- 1997 Sokol International Graduate Study Award, Montclair State University (\$1000, faculty advisor). “Organic Rock Coatings on Petroglyphs, Foz Coa, Portugal.” (awarded to graduate student Deniz Altin).
- 1997 Separately Budgeted Research (\$2400, PI) and Faculty Scholarship Incentive Program (release time), Montclair State University. “Impacts of Natural Weathering on Petroglyphs”.
- 1996 Global Education Project, Montclair State University (\$2620, PI). “Investigation of Rock Art in Portugal”
- 1992 **National Science Foundation Doctoral Dissertation Improvement Grant** (\$7800, PI). “Geographic Analysis of Quartz Weathering” [with Ronald I. Dorn, faculty advisor]
- 1992 **National Science Foundation and International Geographical Union,** (\$1500, stipend) full travel stipend, to attend the 1992 International Geographical Conference, Washington, D.C.
- 1991 Travel grant, Sigma Xi, Arizona State University (stipend, \$200).

Grants to advisee students

These grants were awarded to students under my supervision as advisor. While each award is related to larger research projects of my own, research proposals were the students' work. Those awarded from external sources are noted in boldface type.

- 2005 To Jennifer Reynard (Doctorate in Environmental Management candidate). "Long-term implications of forest fires on soil chemical properties as a result of mineral alterations in the Pineland region of New Jersey." **Garden Club of America Caroline Thorn Kissel Summer Environmental Studies Scholarship**, \$1500.
- 2004 To Peter Davis (Environmental Studies MA candidate). "Ancient Environmental Management and Landscape Modification: An Environmental Perspective on Site Settlement and Activity at Chawak But'o'ob, Northwest Belize, Central America". Margaret and Herman Sokol Graduate Summer Research Fellowship (MSU College of Science and Math), \$5000.
- 2000 To Brenda Paradiso (Geoscience MS candidate). "Soil Profile Development in Loess, Central China". Margaret and Herman Sokol Graduate International Summer Research Grant (MSU College of Science and Math), \$5000.
- 1998 To Yoko Sato (Geoscience MS candidate). "Remote Sensing of Weathered Rock, Hawaii." **Sigma Xi Grants-in-Aid of Research**, \$1000.
- 1997 To Deniz Altin (Geoscience MS candidate). "Organic Rock Coatings on Petroglyphs, Foz Coa, Portugal." Margaret and Herman Sokol Graduate International Summer Research Grant (MSU College of Science and Math), \$5000.

Refereed articles in periodicals

- no date Callanan (nee Reynard), Jennifer R., **Gregory A. Pope**, Matthew L. Gorrington, Huan Feng. Effects of high intensity forest fires on soil clay mineralogy. In review, *Geoderma*.
- 2005 Solecki, W.D., C. Rosenzweig, L. Parshall, **G. Pope**, M. Clark, J. Cox, and M. Weincke. Mitigation of the heat island effect in urban New Jersey. *Global Environmental Change B: Environmental Hazards*, v. 6, issue 1, p. 39-49.
- 2005 Rosenzweig, C., W.D. Solecki, L. Parshall, M. Chopping, **G. Pope**, and R. Goldberg. Characterizing the urban heat island in current and future climates in New Jersey. *Global Environmental Change B: Environmental Hazards*, v. 6, issue 1, p. 51-62.
- 2004 Feng, Z.D., H.B. Wang, C. Olson, **G.A. Pope**, F.H. Chen, J.W. Zhang, and C.B. An. Chronological discord between the last interglacial paleosol (S1) and its parent material in the Chinese Loess Plateau. *Quaternary International*, v. 117, pp. 17-26.
- 2002 **Pope, Gregory A.**, Thomas C. Meierding, and Thomas R. Paradise. Geomorphology's role in the study of weathering of cultural stone. *Geomorphology*, v. 47, issues 2-4, pp. 211-226. (*Special Issue, Geomorphology in the Public Eye: Policy Issues, Education, and the Public, 30th Annual Binghamton Geomorphology Symposium*, ed. by P.L.K. Knuepfer and J.F. Peterson.) INVITED PAPER.
- 2001 **Pope, Gregory A.** Weathering impacts on petroglyph engravings and rock panels. *American Indian Rock Art*, v. 27, pp. 97-105.
- 2000 **Pope, Gregory A.** Weathering of petroglyphs: Direct assessment and implications for dating methods. *Antiquity*, v. 74, no. 286, pp. 833-843.
- 1999 **Pope, Gregory A.** and Vera C. Miranda. A geomorphology of megaliths: Neolithic landscapes in the Alto Alentejo, Portugal. *The Middle States Geographer*, v. 32, pp. 110-124.

- 1999 **Pope, Gregory A.**, and Ruth Rubenstein. Anthroweathering: Theoretical framework and case study for human-impacted weathering. *Geoarchaeology*. v. 14, no. 3, pp. 247-264.
- 1995 **Pope, Gregory A.** Internal weathering in quartz grains. *Physical Geography*, v. 16, no. 4, pp. 315-338.
- 1995 **Pope, Gregory A.** Newly discovered submicron-scale weathering in quartz: Geographical Implications. *The Professional Geographer*, v. 47, no. 4, pp. 375-387.
- 1995 **Pope, Gregory A.**, Ronald I. Dorn, and John C. Dixon. A new conceptual model for understanding geographical variations in weathering. *Annals of the Association of American Geographers*, v. 84, no. 1, pp. 38-64.
- 1993 Wasklewicz, Thad. Ronald I. Dorn, Sandra Clark, John Hetrick, **Gregory Pope**, Tanzhou Liu, Tanzhou; D.H. Krinsley, John Dixon, R.B. Moore, and James Clark. Olivine does not necessarily weather first. *Singapore Journal of Tropical Geography*, v. 14, no. 1, pp. 72-80.

Refereed chapters in conference proceedings

- 2004 Solecki, William D., Cynthia Rosenzweig, **Gregory Pope**, Lily Parshall, Mary Wiencke. Current and future urban heat island effect and potential mitigation strategies in the greater Newark, New Jersey region. *Urban Heat Island Summit: Mitigation of and Adaptation to Extreme Summer Heat, Toronto, Ontario, Canada, May 1-3, 2002*. Toronto: The Clean Air Partnership, available at http://www.cleanairpartnership.org/uhis_summit_finalpapers.htm.
- 2004 **Pope, Gregory A.**, and Vera C. Miranda. Weathering of megaliths – evidence for rapid adjustment to new environmental conditions. In B.J. Smith and A.V. Turkington (eds.), *Stone Decay: Its Causes and Controls. Proceedings, Weathering 2000, Belfast, Northern Ireland, June 26-30*. Shaftesbury, United Kingdom: Donhead Publishing Ltd., pp. 199-223. [modification of Pope and Miranda, 1999, in Periodicals]
- 2002 **Pope, Gregory A.**, John M. Stavash, and Jean C. Walker. Spatial variability of acid precipitation at the local scale. In R. Prikryl and H. Viles (eds.), *Understanding and Managing Stone Decay – Proceedings, Stone Weathering and Atmospheric Pollution Network International Conference, May 7-11, Prachov Rocks, Czech Republic, Prague*: Karolinum Press, pp. 131-150.
- 2002 **Pope, Gregory A.** Weathering of granitic structures: 6000 years of exposure in Portugal. In J. Herrmann, N. Herz, and R. Newman (eds.), *ASMOSIA 5, Interdisciplinary Studies on Ancient Stone – Proceedings of the Fifth International Conference of the Association for the Study of Marble and Other Stones in Antiquity, Museum of Fine Arts, Boston, June 1998*, London: Archetype Press, pp. 407-414.

Published monographs and reports [peer reviewed/edited if indicated]

- 2010 Pope, Gregory A. Rock Weathering. (encyclopedia entry). In Warf, Barney, (ed.), *Encyclopedia of Geography*, in press. Thousand Oaks, California: SAGE Publications. [invited and edited submission]
- 2004 Beyer, P.J., **Pope, G.A.**, and Applegarth, M.T. Digging with the Devil: Physical Geography and Resource Use in the New Jersey Pine Barrens. In Dougherty, P.H. (Ed.) *Geography of the Philadelphia Region: Cradle of Democracy*, pp. 17-24. Washington, DC: Association of American Geographers. [reviewed and edited submission]

- 2001 **Pope, Gregory A.** The Watchungs: A prominent landform in New Jersey's physical and suburban landscape. In *Snapshots of New York City, Hudson to the Hamptons: Guidebook to the 2001 Association of American Geographers Annual Meeting*, ed. I. Miyares, M. Pavlovskaya, and G. Pope, pp. 126-133. New York: Dept. of Geography, Hunter College, City University of New York. [reviewed and edited submission]
- 2001 Miyares, Ines, Marianna Pavlovskaya, and **Gregory Pope** (eds.), *Snapshots of New York City, Hudson to the Hamptons: Guidebook to the 2001 Association of American Geographers Annual Meeting*. New York: Dept. of Geography, Hunter College, City University of New York. 187 p.
- 2001 **Pope, Gregory A.**, and Beyer, Patricia J. *Cultural Stone of Central Park: Outcrops, Arches and Statues. Field Trip Guide*. Field trip guidebook, March 2, 2001, Association of American Geographers 97th Annual Meeting, New York City. Bloomsburg, Pennsylvania: Department of Geography and Geosciences, Bloomsburg University; and Upper Montclair, New Jersey: Department of Earth and Environmental Studies, Montclair State University (Occasional Publications Series #2). [reviewed and edited submission]
- 1995 **Pope, Gregory A.** Geomorphology and geoarchaeology of the Yavapai Substation and Transmission Line Facilities Project. In Darrington, Glenn P, and Bruder, J. Simon (eds.), *Yavapai Substation and Transmission Line Facilities Project, Data Recovery*. Phoenix, Arizona: Dames & Moore Intermountain Cultural Resource Services. [reviewed and edited submission]
- 1995 Rubenstein, Ruth; David E. Doyel, and **Gregory A. Pope**. Ground and pecked stone artifacts. In Doyel, David E. , Black, Andrew T., and Macnider, Barbara S. (eds.), *Archaeological Excavations at Pueblo Blanco: The MCDOT Alma School Road Project*. Tempe, Arizona: Archeological Consulting Services, Ltd., Cultural Resources Report No. 90, pp. 307-328. [reviewed and edited submission]
- 1993 Dorn, Ronald I., and Norman Meek; with contributions by A. Bach, P. Beyer, J. Hetrick, T. Liu, **G. Pope**, and T. Wasklewicz. *Geomorphology: Mojave Desert to Death Valley*. International Association of Geomorphologists 3rd International Geomorphological Conference Guide to Field Excursion A3. Tempe, Arizona: Arizona State University Department of Geography Publication No. 4, 131 p.

Manuscripts in Preparation (peer review)

Weathering and Soils Geomorphology. An invited major reference text in the series, *Treatise in Geomorphology*, series editor John Schroeder.

Weathering energetics. A review paper, discusses the cascading energy flow system of the critical zone, a reflection of the spatial variability of weathering. Invited paper for the online journal *Geography Compass*.

Hot fires and pedogenesis: fleeting factor or long-term soil conditioner? Evidence from the catastrophic Hayman, Colorado forest fire (2002) indicate significant changes in soil chemistry immediately following a severe fire. Equilibrium is reached within a few years of the disturbance, though some trace of the fire impact is evident over decades. To be submitted to *Physical Geography*.

The weathering boundary layer: a conceptual model revisited through stone conservation. Reviews the theoretical heritage of conceptual weathering models, compares parallel ideas existing in soils, petrology, and stone conservation with case studies in stone conservation. To be submitted to *Stone Conservation*.

Book reviews

- 2000 for Birkeland, *Soils and Geomorphology*, 3rd ed. (1999). In *Geomorphology*, v. 35, pp. 163-167.
- 2000 for Bland and Rolls, *Weathering: An Introduction to the Scientific Principles* (1998). In *Annals of the Association of American Geographers*, v. 90(2), p. 409-411.

Research paper and poster presentations (abstracts, if published, in parentheses)

- 2009 **Pope, Gregory A.**, Andrew J. Temples, Thomas J. Glynn, Joanne C. Kornoelje, Sean I. McLearie, and Jahalla R. Simmons. The nature of certain boulder-rich deposits in the upper Big Flat Brook drainage, Sussex County, New Jersey. *2009 Annual Meeting, Middle States Division of the Association of American Geographers, November 6-7, State University of New York at New Paltz, New Paltz, New York.* .
- 2009 **Pope, Gregory A.**, Mark Demitroff, Jennifer LaPoma, and Jennifer Callanan. Sand Grain Morphologies Explain Late Pleistocene Periglacial Soil Environments of the Pine Barrens, New Jersey, USA. *Association of American Geographers Annual Meeting, Las Vegas, Nevada, March 22-27, 2009. (Abstracts CD-ROM and online).*
- 2009 LaPoma, Jennifer, Mark Demitroff, **Gregory Pope**, and Jennifer Callanan. Sedimentary Analysis of Tentative Wind Steaks from the Pinelands National Reserve in Southern New Jersey. *Association of American Geographers Annual Meeting, Las Vegas, Nevada, March 22-27, 2009. (Abstracts CD-ROM and online).*
- 2009 Callanan, Jennifer, **Gregory Pope**, Matthew Gorrington, Walter Bien, Andrew McDougall, and Jennifer LaPoma. Long-term implications of forest fires on soil chemical properties and mineral alterations in the New Jersey Pine Barrens. *Association of American Geographers Annual Meeting, Las Vegas, Nevada, March 22-27, 2009. (Abstracts CD-ROM and online).*
- 2009 Demitroff, Mark, Hugh French, Jan Gozdzik, **Greg Pope**, and Ben DeJong. Wisconsinian eolian activity and paleohydrology, New Jersey Pine Barrens (39°N), Eastern U.S.A. *Association of American Geographers Annual Meeting, Las Vegas, Nevada, March 22-27, 2009. (Abstracts CD-ROM and online).*
- 2008 **Pope, Gregory A.**, and Patricia J. Beyer. The Rock Art Susceptibility Index applied to stone conservation. *2008 Annual Meeting, Middle States Division of the Association of American Geographers, November 7-8, Millersville University, Millersville, Pennsylvania.*
- 2008 **Pope, Gregory A.** Scale in weathering process and form: An environmental energetics theoretical approach. *Association of American Geographers Annual Meeting, Boston, Massachusetts, April 15-19. (Abstracts CD-ROM).*
- 2007 **Pope, Gregory A.**, and Jennifer L. LaPoma. An analysis of topsoil quality in urban curbside landscaping. *2007 Annual Meeting, Middle States Division of the Association of American Geographers, November 16-17, Reading, Pennsylvania.*
- 2007 **Pope, Gregory A.**, Jennifer R. Reynard, Walter Bien, Matthew L. Gorrington. Fires and pedogenesis in the New Jersey Pine Barrens: Preliminary results. *Association of American Geographers Annual Meeting, San Francisco, California, April 17-21 (Abstracts CD-ROM).*
- 2006 Reynard, Jennifer R., **Gregory A. Pope**, Matthew L. Gorrington, and Walter F Bien. Forest fire's role as a catalyst for clay mineral alterations in soil and its effect on cation exchange capacity. *Geological Society of America 2006 Annual Meeting, October 22-25, Philadelphia, Pennsylvania. (Abstracts CD-ROM).*

- 2006 **Pope, Gregory A.** The geography of weathering revisited: An “energetics” perspective for rock decay and soil formation. *2006 Annual Meeting, Middle States Division, Association of American Geographers, Oct. 13-14, New Brunswick, New Jersey. (Abstracts and Program.)*
- 2006 Reynard, Jennifer R., **Gregory A. Pope**, and Walter F Bien. Forest fire as a unifying soil weathering agent in differing ecosystems. *Ecological Society of America Mid-Atlantic Ecology Conference, April 8, 2006, New Jersey School of Conservation, Branchville, New Jersey.*
- 2006 **Pope, Gregory A.** Cartographic Representation of Hurricane Threat on Coastal Populations. In Special Paper Session: Weather and Society. *Association of American Geographers Annual Meeting, Chicago, Illinois, March 7-11, 2006 (Abstracts CD-ROM).*
- 2005 **Pope, Gregory A.**, Walter Bien, Matthew Goring, Patricia Beyer, and Mark Demitroff. The New Jersey Pine Barrens: A Proposed Site for the Critical Zone Exploration Network. *Frontiers in Exploration of the Critical Zone, October 24-26, Newark, Delaware. (Workshop program, p. 102-103).*
- 2005 **Pope, Gregory A.**, Alice Turkington, Thomas Paradise, and Jacqueline Willis. The Urban Critical Zone: A CZEN Site Proposal. *Frontiers in Exploration of the Critical Zone, October 24-26, Newark, Delaware. (Workshop program, p. 104-105.)*
- 2005 **Pope, Gregory A.**, Jennifer R. Reynard, and Matthew L. Goring. Hot fires and pedogenesis: fleeting factor or long-term conditioner in central Colorado? In Special Paper Session, Geosystems, Ecosystems, and Wildfire. *Association of American Geographers Annual Meeting, Denver, Colorado, April 5-9, 2005 (Abstracts CD-ROM).*
- 2005 **Pope, Gregory A.**, John Kupfer, and Steve Yool (co-chairs and co-organizers). Geosystems, Ecosystems, and Wildfires. (Five special paper sessions.) *Association of American Geographers Annual Meeting, Denver, Colorado, April 5-9, 2005.*
- 2004 Reynard, Jennifer R., **Gregory A. Pope**, and Matthew L. Goring. Forest-fire enhanced modification of clay minerals in soils in and around the Hayman (2002), Colorado, burn. *Geological Society of America 2004 Annual Meeting, November 7-10, 2004, Denver, Colorado. (GSA Abstracts with Programs)*
- 2004 Lincoln, Jonathan M., Matthew Goring, and **Gregory Pope**. Challenges for undergraduate field experience at a suburban campus. In Special Paper Session: Improving Delivery in Geoscience Education (IDIG): A Session Celebrating Dorothy LaLonde Stout. *Geological Society of America 2004 Annual Meeting, November 7-10, 2004, Denver, Colorado. (GSA Abstracts with Programs.)*
- 2004 **Pope, Gregory A.**, Jennifer R. Reynard, B. Priscilla Neus, and Matthew L. Goring. Thermal weathering and soils in a post-fire ecosystem. *35th Annual Binghamton Geomorphology Symposium: Weathering and Landscape Evolution, University of Kentucky, October 1-3, 2004 (Program, p. 24).* INVITED.
- 2004 Reynard, Jennifer, **Gregory A. Pope**, Matthew L. Goring, and Anne Ajamian. Short-term and long-term effects of high intensity forest fires on soil mineralogy. *Association of American Geographers Centennial Meeting, Philadelphia, Pennsylvania, April 14-19, 2004 (Abstracts, p. 373).*
- 2003 **Pope, Gregory A.** Setting erosion rates on a new pedestal: Perched rocks. *2003 Annual Meeting, Middle States Division, Association of American Geographers, Oct. 31-Nov. 1, Albany, New York, (abstracts p. 20).*

- 2003 **Pope, Gregory A.**, Zhaodong Feng, Matthew Gorrington, and Carolyn Olson. The S1 Paleosol Environmental Record Interpreted through Soil Development and Weathering Indices. *INQUA XVI, July 23-31, 2003, Reno, Nevada.*
- 2003 Feng, Z.D., **G.A. Pope**, C.G. Olson, H.B. Wang. Geographic differentiation of the last interglacial paleosol S1 in the Chinese Loess Plateau. *INQUA XVI, July 23-31, 2003, Reno, Nevada.*
- 2003 Feng, H., **G.A. Pope**, Z.-D. Feng, C.E. Cifelli, A. Lanziotti, and K.W. Jones. Mineralogical and structural study of the S1 loess/paleosol composition of the Chinese Loess Plateau using XRD and XANES based on synchrotron technologies. *INQUA XVI, July 23-31, 2003, Reno, Nevada.*
- 2003 **Pope, Gregory A.**, Steven J. Gordon, B. Priscilla Neus. Extreme temperature impacts on soil weathering environments: Preliminary results from Hayman Fire (Summer 2002), Colorado. *Association of American Geographers 99th Annual Meeting, New Orleans, Louisiana, (Abstracts, pp. 305).*
- 2003 **Pope, Gregory A.**, and Belkys Melendez. Acid precipitation in Hudson/Passaic/Raritan Watersheds: Metro and marine influences. *Newark Bay-Raritan Bay-Sandy Hook Workshop, Fort Hancock, NJ, January, 2003.*
- 2002 **Pope, Gregory A.**, William D. Solecki, Cynthia Rosenzweig, Vera Lazar, and Maria Clark. Transects and textures in the urban heat island: Camden, New Jersey and environs. *2002 Annual Meeting, Middle States Division, Association of American Geographers, Oct. 11-12, Upper Montclair, New Jersey (Abstracts p. 13).*
- 2002 **Pope, Gregory A.** The weathering boundary layer: revisiting the conceptual model through stone conservation. *Geological Society of America 2002 Annual Meeting, November, Denver, Colorado. (GSA Abstracts with Programs Vol. 34, No. 6.)*
- 2002 **Pope, Gregory A.**, Zhaodong Feng, Matthew L. Gorrington, Renata J. Bailey, and Takeshi Nakajuku. Weathering indexes applied to Chinese loess paleosols., *Association of American Geographers 98th Annual Meeting, 19-23 March, 2002, Los Angeles, California, (Abstracts CD-ROM).*
- 2002 Solecki, William D., Cynthia Rosenzweig, **Gregory Pope**, Maria Clark, Vera Lazar, and Richard Goldberg. Current and future UHI effect in the greater Newark region and potential adaptations. *Urban Heat Island Summit, Toronto, Ontario, Canada, May 1-3, 2002.*
- 2001 **Pope, Gregory A.**, John Stavash, and Jean Walker. Correlation of Acid Wet Deposition with Trends in Stone Deterioration at the Local Scale. In R. Prikryl and H.A. Viles (eds.) *Stone Weathering and Atmospheric Pollution Network, Abstracts International Conference, May 7-11, Prachov Rocks, Czech Republic. (Acta Universitatis Carolinae Geologica v. 45, no. 1, p. 27.)*
- 2001 Feng, Z.-D., F.-H. Chen, Z.-W. Zhang, Y.-Z. Ma, H.-B. Wang, C.-B. An, W.-G. Wang, Y.-M. Chen, C.-Y. Zhao, **G.A. Pope**, and B. Paradiso. In W.W.-S. Yim (ed.), Environmental reconstruction of northwestern China during Marine Isotope Stage 5, 3, and 1: progress and problems. *Fifth International Conference on the Cenozoic Evolution of the Asia-Pacific Environment, October 29-November 1, 2001, (Abstracts. Dept. of Earth Sciences and Center for Asian Studies, the University of Hong Kong, Hong Kong SAR, China, p. 18.)*
- 2001 D'Alessandro, Matt; Mike DaSilva, Austin Harclerode, Yakeen Kelly, Mike Mazanec, Belkys Melendez, Sarita Amy Morse, Takeshi Nakajuku, George Nikolis, Kesha Patel, Jennifer Reynard, Brett Sieradzki, Carolin Stroehle, and **Gregory A. Pope**. A re-interpretation of Watchung Mountain wind a water gaps, northern New Jersey. *Geological Society of America Northeastern Section, 36th Annual Meeting, Burlington, Vermont, March 12-14 (Abstracts)*

- 2001 **Pope, Gregory A.** “Millennium Cookies” to measure acid-deposition and weathering: implementation, outreach, and education. *Abstracts, Association of American Geographers 97th Annual Meeting, February 27-March 3, 2001, New York, New York, (Abstracts, CD-ROM).*
- 2000 **Pope, Gregory A.** Weathering of megaliths – evidence for thresholds and non-linear rates. *Weathering 2000 Conference, Belfast, Northern Ireland, June 26-30 (Abstracts).*
- 2000 **Pope, Gregory A.** Dating methods for rock art: the impacts of weathering. *American Rock Art Research Association, 27th Annual Rock Art Conference, Phoenix, Arizona, May 26-29, 2000 (Abstracts).*
- 2000 **Pope, Gregory A.** Exposure as a weathering factor: Evidence from cultural stone in Portugal. , *Geological Society of America Northeastern Section, 35th Annual Meeting, New Brunswick, New Jersey, March 13-15, (GSA Abstracts With Programs v. 21(1): p.A-66).*
- 2000 **Pope, Gregory A.** Corestones and Cromleques: The weathered megaliths of southeast Portugal. , *Association of American Geographers 96th Annual Meeting, 4-8 April, 2000, Pittsburgh, Pennsylvania, (Abstracts, CD-ROM).*
- 1999 **Pope, Gregory A.,** Thomas C. Meierding, and Thomas R. Paradise. A geomorphic approach to weathering studies in cultural resource management. *30th Annual Binghamton Geomorphology Symposium, Geomorphology in the Public Eye, November 12-14, 1999, SUNY-Binghamton, New York (Abstracts, p. 32-33).* INVITED.
- 1999 **Pope, Gregory A.,** and Ruth Rubenstein. A waste of time? Prehistoric sewage in the American Southwest. *Association of American Geographers 95th Annual Meeting, 23-27 March, Honolulu, Hawaii, (Abstracts CD-ROM).*
- 1999 Sato, Yoko; and **Gregory Pope.** Remote sensing for rock weathering observation and monitoring. *Association of American Geographers 95th Annual Meeting, 23-27 March, Honolulu, Hawaii, (Abstracts CD-ROM).*
- 1998 **Pope, Gregory A.,** Gloria Brown, and Deniz Altin. Calibrated weathering rates from archaeological and historical rock surfaces in Portugal. *International Geographical Union Regional Conference 98, “The Atlantic: Past, Present, and Future”, August 30-September 2, Lisbon Portugal. (Abstracts p. 30)*
- 1998 **Pope, Gregory A.** Weathering of granitic structures: 5000 years of exposure in Portugal. *ASMOSIA 1998, Fifth International Conference, June 11-15, Museum of Fine Arts, Boston, Massachusetts (Abstracts).*
- 1998 **Pope, Gregory A.** Weathering of rock engravings—implications for archaeological analysis. *Abstracts, Association of American Geographers 94th Annual Meeting, Boston, Massachusetts (Abstracts CD-ROM).*
- 1998 Feng, Z.D., Chen, F.H., and **Pope, G.A.** Problems of magnetic susceptibility signature in Chinese loess. *International Symposium and Field Workshop on Paleosols and Climatic Change, July 27-August 7, 1998, Lanzhou University, Lanzhou, P.R. China.*
- 1997 **Pope, Gregory A.** Issues of scale in weathering. *Association of American Geographers 93rd Annual Meeting, 1-5 April 1997, Fort Worth, Texas, (Abstracts, p. 211).*
- 1996 **Pope, Gregory A.** Anthroweathering: theoretical framework and case studies for human-impacted weathering. *Association of American Geographers 92nd Annual Meeting, 9-13 April, 1996, Charlotte, North Carolina, (Abstracts p. 238).*
- 1995 **Pope, Gregory A.** Internal weathering in quartz grains. *Association of American Geographers 91st Annual Meeting, 11-18 March 1995, Chicago, Illinois, (Abstracts, p. 248).*

- 1994 **Pope, Gregory A.** A geographical analysis of quartz weathering. *Association of American Geographers 90th Annual Meeting, San Francisco, California, (Abstracts p. 303).*
- 1993 **Pope, Gregory A.,** and Ronald I. Dorn. Redefining a conceptual model for desert weathering. *Abstracts, Association of American Geographers 89th Annual Meeting, 6-10 April, 1993, Atlanta, Georgia (Abstracts pp. 192-193).*
- 1992 **Pope, Gregory A.** Quartz decrystallization: submicron-scale weathering in soils of the Basin and Range Province, North America. *1992 International Geographic Congress, Washington, D.C. (Technical Program Abstracts, p. 504).*
- 1992 **Pope, Gregory A.** Structure and scale invariance in weathering. *Association of American Geographers 88th Annual Meeting, 18-22 April, San Diego, California, (Abstracts, p. 194).*
- 1992 **Pope, Gregory A.** Scale in weathering. *Association of Pacific Coast Geographers Annual Meeting, Tucson, Arizona, 1992 (Yearbook of the Association of Pacific Coast Geographers, v. 54, p. 174).*
- 1992 Wasklewicz, T., S. Clark, J. Hetrick, **G. Pope,** T Liu, and R. Dorn. An exception to Goldich's Mineral Stability Series. *Association of Pacific Coast Geographers Annual Meeting, Tucson, Arizona, 1992 (Yearbook of the Association of Pacific Coast Geographers, v. 54, p. 184).*
- 1991 **Pope, Gregory A.;** Renu Sharma, Farhad Shaapur, and Ronald I. Dorn. Geographic implications of a surface weathering phenomenon: Quartz decrystallization. *Association of American Geographers 87th Annual Meeting, 13-17 April, 1991, Miami, Florida, (Abstracts p. 158).*
- 1991 Dorn, R.; T. Wasklewicz, S. Clark, J. Hetrick, **G. Pope,** T. Liu, D. Friend, P. Catanzariti, D.H. Krinsley, and J. Dixon. Olivine does not necessarily weather first. *Geological Society of America Annual Meeting, San Diego, California (GSA Abstracts with Programs, v. 23, no. 5, p. A206).*
- 1990 **Pope, Gregory A. ,** Renu Sharma, Farhad Shaapur, and Ronald I. Dorn. Geographic implications of a surface weathering phenomenon: Quartz decrystallization. *Geological Society of America Penrose Conference, New Methods in Surface Exposure Dating, October, 1990, Mammoth Lakes, California. INVITED.*
- 1990 **Pope, Gregory A.** Quartz hydration as a dating technique for Quaternary landforms: Pine Creek, Eastern Sierra Nevada, California. *Arizona-Nevada Academy of Science Annual Meeting, Las Vegas, Nevada, 1990 (Journal of the Arizona-Nevada Academy of Science, v. 25, p. 26).*

Unpublished Reports

- 2002 Solecki, William D., Cynthia Rosenzweig, **Gregory Pope,** Maria Clark, Vera Lazar, and Richard Goldberg. Analysis of the current and future heat island effect in the Greater Camden, New Jersey region and potential adaptations. Interim report submitted to the New Jersey Department of Environmental Protection, Trenton, New Jersey.
- 1992 **Pope, Gregory A.** Multiparameter assessment of bedrock weathering in an archaeological context, Salt River Valley, Arizona: a pilot study. On file at Pueblo Grande Museum Library, Phoenix, Arizona.
- 1989 **Pope, Gregory A.** Florence Junction area. In Graf, William L. (ed.), *Field Trip Guidebook for Queen Creek, South Central Arizona.* Department of Geography, Arizona State University.

TEACHING AND LECTURES

Courses taught

(Lecturer unless noted otherwise. * Indicates graduate or joint undergraduate/graduate course.)

at Department of Earth and Environmental Studies, Montclair State University

Environmental Geoscience* (1 semester) GEOS 525
Air Resource Management* (2 semester) GEOS 501
Fundamentals of Remote Sensing* (3 semesters) GEOS 455
Principles of Soil Science* (5 semesters) GEOS 450
Montclair in Southwestern US (summer field trip) GEOS 495/EUGS 426
Senior Seminar (1 semester) EUGS 466
Research Methods (3 semesters) EUGS 309
Urbanization and Environment (3 semesters) EUGS 331
Understanding Weather and Climate (5 semesters) GEOS 257
Geomorphology and Climatology of North America (2 semesters) GEOS 254
Geomorphology* (2 semesters) GEOS 494/592 EUGS 427/504
Honors Seminar in Science (1 full semester + 1 unit each for 3 semesters) HONP 211
Contemporary Issues in Science (one 3-week unit) GNED 201
Planet Earth (3 semesters) GEOS 107
Freshman/New Student Seminar (2 semesters) ENVR 199, GNED 199
The Human Environment (2 semesters) ENVR 109
Understanding the Weather (13 semesters) GEOS 157
World Geography (7 semesters) EUGS 102
Principles of Geography (2 semesters) EUGS 100

at Department of Geography/Geoscience, New Jersey City University

Geomorphology (1 semester) GEOS 335

at Department of Geography, University of Southern California:

Geography Research Design* (1 semester) 500-level
Introduction to Physical Geography (2 semesters) 100-level

at Department of Geography, Arizona State University:

Geographic Information Systems* (1 semester lecturer, 1 semester co-lecturer) 400 level
Introduction to Physical Geography (1 semester lecturer, 4 semesters lab instructor) 100-level
Introduction to Computer Applications in Geography (1 semester) 200-level
Aerial Photography Interpretation (1/3 semester) 300-level
Quantitative Methods in Geography (5 semesters lab instructor) 400-level

Dissertation and theses completed under my direct mentorship (at Montclair State Univ. unless noted)

- 2009 Jennifer LaPoma. Masters of Geoscience thesis. A sedimentary investigation of lineation patterns found in the Pinelands of New Jersey. (Drs. Jennifer Callanan and Matthew Gorrying on committee.)
- 2008 Jennifer Callanan (nee Reynard). Doctorate in Environmental Management dissertation. Long term impacts of forest fires on soil chemical properties as a result of mineral alterations, and implications for forest fire management. (Drs. Matthew Gorrying, Andrew McDougall, and Walter Bien on committee.)
- 2006 Christopher D. Aquila. Masters of Arts in Environmental Studies thesis. An analysis of trap and translocation of white-tailed deer (*Odocoileus virginianus*) within the enclosed park area of Duke Farms, Hillsborough, New Jersey, December 2000 to March 2003. (Drs. Harbans Singh and Michael McCormick on committee.)

2005 Jennifer Reynard. Masters of Science in Geoscience thesis. Short-term and long-term effects of high intensity forest fires on soil phyllosilicates. (Drs. Matthew Gorrington and Huan Feng on committee.)

Dissertations and theses in progress, under my direct mentorship (at Montclair State Univ. unless noted)

Marcia Anderson (dissertation committee chair, PhD in Environmental Management, 2009-)

Joanne Kornolje (thesis committee co-chair, MA Environmental Studies, 2008-)

Muhammad Haque (thesis committee chair, MS Geoscience, 2006-)

Other research advising and committee membership (at Montclair State University unless noted)

Joseph DiGianni (dissertation committee member, PhD in Environmental Management, 2009-)

Vanessa Harries (senior research project, Geography BA, Spring 2009)

Anthony Cauterucci (senior research project, Geography BA, Spring 2009)

Lauren Graziano (senior research project, Geography BA, Spring 2009)

Sarah Schuchman (senior research project, Geography BA, Spring 2009)

Christina Evers (senior research project, Geography BA, Spring 2009)

Candace Quinn (senior research project, Geography BA, Spring 2009)

Darryl Green (senior research project, Geography BA, Spring 2009)

Naushad P. Kollikkathara (dissertation committee member, Doctorate in Environmental Management, 2006-2008)

Richard Pobuta (senior research project, Geography BA, Summer 2008)

Libertad Urena (senior research project, Geography BA, Spring 2008)

Yoko Sato (directed research advisor, MS Geoscience, Fall 2007)

Becky West (advisor, honors research project, Geography BA, Fall 2007)

Brynn Sheehan (advisor, senior research project, Geography BA, Summer 2007)

Samantha Cook (ACS Project SEED high school student, summer 2006)

Haibin Wang (dissertation committee member, Ph.D., College of Environment and Earth Science, Lanzhou University, People's Republic of China, 2005)

Anne Ajamian (advisor, senior research project, Geography BA, 2004-05)

Philip Verengia (thesis committee member, MS Geoscience, 2003-04)

Belkys Melendez (advisor, senior research project, Geography BA, Summer/Fall/Spring 2002-03)

Julie Lucente (independent study advisor, Spring 2003)

George Nikolis (independent study advisor, Spring 2002)

Leoncia Porter (independent study advisor, Spring 2002)

Brenda Paradiso-Kunz (advisor, MS Geoscience thesis, and Sokol Graduate Student Award, 2000)

Miyuki Kawada (thesis committee member, MS Environmental Studies, 1999-2002)

John Stavash (independent study advisor, Spring 2001)

Michael Schaffner (independent study advisor, Fall 2000)

Damon Noe (independent study advisor, Fall 2000)

Nicolle Cerveny (thesis committee member, MA Geography, Arizona State University, 1999-2000)

Beena Maharjan (thesis committee member, MS Geoscience, 1999-2000)

Irene Zilberman (advisor, senior research project, Spring 1999)

Tofa Beuregard (senior thesis examiner, Oberlin College, 1998)

Melissa Stoltz (senior thesis examiner, Oberlin College, 1998)

Manny Garcia (independent study advisor, Spring 1998)

Deniz Altin (Sokol Graduate Student Award advisor, 1997)

Glenn Calabrese (MS paper advisor, Spring 1997)

Courses and curriculum proposals initiated and approved

New BA/MA in Sustainability, 2009 (member of committee)

Minor in GIScience, 2008 (member of proposing committee)
Post-graduate certificate in GIScience, 2007 (member of proposing committee)
Complete revision in Environmental Studies MA, 2006 (approval pending)
Doctoral program in Environmental Management, 2003 (member of proposing committee)
New BA concentration in Environmental Studies, Geography, 2002

Courses created or extensively revised:

Geoarchaeology, 2009 (new course)
Geomorphology, 2009 (new course)
Senior Seminar in Geographic Information Science, 2008 (new course)
Freshman Seminar in Earth & Environmental Studies, 2006 (new course, co-proposed)
Montclair in Southwestern US (summer field trip), 2003 (new course)
Understanding Weather and Climate GEOS 257, 2001 (new course)
Introduction to Computer Applications in Geography, 1992 (new course, Arizona State Univ.)
Principles of Geography EUGS 100 (revised, 2007, as General Education Contemporary Issues in Science course)
Urbanization and Environment EUGS 313 (revised)
Research Methods EUGS 309 (revised)
Air Resource Management ENVR 501 (revised)

Professional lectures and colloquia (invited unless noted)

- 2008 Terrestrial transport environments. Guest lecture for GEOS 454 Sedimentology, for Dr. Sandra Passchier. Dept. of Earth & Environmental Studies, Montclair State University, November 11, 2008.
- 2008 Global warming, causes and solutions. Panel Session (with Drs. M. Chopping, J. Galster, D. Vanderklein, N. Smith-Sebasto). Focus the Nation, Montclair State University participation, January 31, 2008.
- 2007 The Geography of Weathering Revisited. Guest seminar, Villanova University, May 3, 2007.
- 2007 Geography of the Middle East. Guest lecture for Honors Contemporary Issues, College of Humanities and Social Sciences, Montclair State University, January 24, 2007.
- 2007 Adventures in Rock Art, Emphasis on Rock. Department of Anthropology Seminar Series, Montclair State University, January 17, 2006.
- 2006 Contemporary Concerns in Geoscience. Workshop for secondary teachers, Teachers as Scholars Program, Montclair State University College of Humanities and Social Sciences and School of Education, November 1 & 13 (2 parts), 2006.
- 2001 Soil: Beyond Mud Pies, Dirty Jeans, and Flower Pots. Lecture and workshop, Weston Science Scholars Program, New Jersey School of Conservation, Branchville, New Jersey, October 6, 2001.
- 2000 A new model for weathering. Colloquium, Department of Geography, Lanzhou University, Lanzhou, People's Republic of China, August 11, 2000;
- 2000 Climate and soils. Colloquium, Institute for Geology and Geophysics, Beijing, People's Republic of China, August 3, 2000.
- 2000 Anthroweathering. Lecture, Montclair State University Archaeology Field School, Feltville, New Jersey, July 18, 2000.
- 2000 Weathering of cultural stone. Colloquium, Dept. of Geography and Geology, Bloomsburg University, Bloomsburg, Pennsylvania, April 28, 2000.
- 2000 Determining the age of paleoalluvium atop Rampart Range, Teller and Eastern Park Counties, Colorado. Seminar, PRIME Lab, Purdue University, West Lafayette, Indiana, March 10, 2000.

- 2000 Weathering of petroglyphs: implications for dating techniques. Colloquium, Dept. of Geosciences, Purdue University, West Lafayette, Indiana, March 9, 2000.
- 1999 Megaliths around the world (with R. Rubenstein). Teatown Lake Reserve, Ossining, New York, December 14, 1999.
- 1999 Weathering of cultural stone: deterioration of Megalithic to Manueline structures in Portugal. Colloquium, Dept. of Geography, Rutgers University, New Brunswick, NJ, February 19, 1999.
- 1998 Anthroweathering: theoretical framework and case studies for human-impacted weathering. Colloquium, Oberlin College, Ohio, April 30, 1998.
- 1998 Portugal – cultural and environmental crossroads. Poricy Park, Middletown, NJ. February 20, 1998.
- 1998 Remote Sensing. SMUG Workshop (2 sessions), College of Science and Math, Montclair State University, Spring 1998.
- 1997 Natural weathering of petroglyphs: a collaboration between geomorphology and archaeology. Middle States Division/Association of American Geographers and Canadian Association of Geographers Ontario Division Joint Meeting, State University College at Buffalo, October 18, 1997. (Open conference paper.)
- 1997 The foundations: historical geology and paleogeography of Central Park. Lecture, Central Park Conservancy, New York City, March 5, 1997.
- 1996 Anthroweathering: theoretical framework and case studies for human-impacted weathering. Colloquium, Lamont-Doherty Earth Observatory, Columbia University, April 5, 1996.
- 1996 Quartz weathering on Pacific marine terraces—a geography of weathering. Colloquium, Department of Geography and Urban Analysis, California State University-Los Angeles, March 29, 1996.
- 1996 The geography of weathering: A new method for a new model. Colloquia—
College faculty, Carthage College, February 23, 1996
Department of Geography and Planning, University of Toledo, February 29, 1996
Department of Geography, History, and Politics, Morehead State University, March 8, 1996
College of Science, University of West Florida, March 15, 1996
Department of Earth and Environmental Studies, Montclair State University, March 25, 1996
- 1995 Quartz weathering on granitic marine terraces, Pacific Coast. Colloquium, Department of Geography, University of Southern California, December 1, 1995.
- 1995 A geographical analysis of weathering. Colloquia—
Department of Geography, University of South Carolina, January 23, 1995
Department of Geography and Planning, University of Akron, February 13, 1995
Department of Geography, Sonoma State University, March 6, 1995
Department of Geography, University of Oklahoma, March 9, 1995
Department of Geosciences, University of Missouri/Kansas City, March 28, 1995
School of Natural Sciences, Southern Utah University, May 2, 1995.
- 1995 Anthropogenic climate change. Guest class lecture, Department of Geography and Planning, University of Akron, February 13, 1995.
- 1994 Weathering studies in the Pacific Northwest. Brown Bag Colloquium Series, Department of Geography, Arizona State University, November 8, 1994.
- 1991 A latitudinal cultural and environmental transect of Baja California. (With Lee G. Lines.) Brown Bag Colloquium Series, Department of Geography, Arizona State University, October 15, 1991.

- 1991 Physical geography around the world - implications for international construction. Department of Construction, School of Engineering, Arizona State University, September 20, 1991.

Public and professional field trips

- 2004 Digging with the Devil: Physical Geography and Resource Use in the New Jersey Pine Barrens. Hosted by the Association of American Geographers, Centennial Meeting, Philadelphia, Pennsylvania, March 17, 2004 (co-leader with Patricia Beyer, trip leader, Bloomsburg University, and Michael Applegarth, Shippensburg University).
- 2001 Glacial Landscapes of the Lower Hudson Valley. Hosted by Teatown Lake Reservation, Ossining, New York, October 27, 2001.
- 2001 Cultural Stone of Central Park: Outcrops, Arches and Statues. Hosted by Association of American Geographers 97th Annual Meeting, New York City, . March 2, 2001, (Patricia Beyer, Bloomsburg University, co-leader).
- 1999 Hawai'i Volcanoes National Park, Big Island of Hawai'i. Hosted by Association of American Geographers, 95th Annual Meeting, Honolulu, Hawai'i (co-leader with Thomas Paradise, University of Hawaii-Hilo and Patricia Beyer, Bloomsburg University).
- 1993 Geomorphology: Mojave Desert to Death Valley. Hosted by International Association of Geomorphologists, 3rd International Geomorphological Conference, Field Excursion A3, August, 1993. (Co-leader with Ronald I. Dorn and Norman Meek, trip leaders)
- 1988 The Calhan [Colorado] Paint Mines. Hosted by National Audubon Society, June, 1988, El Paso County, Colorado.

Invited lectures for the general public or K-12 schools

- 2008 Hurricanes and tropical storms. Science Education workshop, July 10 and August 5, Stevens Institute of Technology, Hoboken, NJ.
- 2008 Minerals and fossils. Workshop leader, MSU GK-12 Math/Science Day Field Trip, June 6, 2008, Montclair State University.
- 2008 Environment and Resources: The Original World Web. Guest lecture for Montclair State University World Cultures Day: "All the World's A Web: The Impact of Globalization on World Cultures", April 3, 2008.
- 2008 Environment and the 2008 Presidential Candidates. Luncheon speaker, Montclair Lions Club, Montclair, New Jersey, February 20, 2008.
- 2005 "Hurricanes and Tropical Storms: How, Where, and When?" (with Jaclyn Willis). Hurricane Day live interactive video lecture, from PRISM (Professional Resources in Science and Math), Montclair State University, broadcast to schools in Totowa and Bridgewater, New Jersey; Hattiesburg, Mississippi; and Memphis, Tennessee; November 17, 2005.
- 2004 "Global Warming: Realities and Myths." Lecture, Crane's Mill Retirement Center, West Caldwell, New Jersey, April 20, 2004.
- 2004 "What Does a Soil Scientist Do?" Presentation at Katherine D. Malone School (Mrs. Harriet Kasper's 4th Grade class), Rockaway, New Jersey, April 23, 2004.
- 2002 "Water quality underground" (with Duke Ophori). Workshop presented at Croton Watershed Student Science Conference, Teatown Lake Reservation, Ossining, New York, April 29, 2002.
- 2002 "Weather instruments." Presentation, Garfield Elementary School #10, Garfield, New Jersey, February 5, 2002 and School #5, April 13, 2002.
- 2001 "Acid Rain." Lecturer, Cranford High School, Cranford, New Jersey, May 19, 2000..

- 2001 “China.” Guest presenter, Suffern Montessori School, Suffern, New York.
- 2000 “Geology of Yogi Berra Stadium”, Presenter, Yogi Berra Museum Science Week, Little Falls, New Jersey.
- 1999 Guest lecturer, family programs, Teatown Lake Reserve, Ossining, New York (2 occasions).
- 1997-99 Guest lecturer, summer family education program, Central Park Conservancy (3 occasions); and Central Park Ranger programs (1 occasion); New York City.
- 1998 Guest lecturer, family programs, Poricy Park Nature Center, Middletown, New Jersey (4 occasions)
- 1998 Guest presenter, The Newark Museum, Newark, New Jersey (1 occasion)
- 1986-87 Visiting geology lecturer, School District 2 elementary schools, Colorado Springs, Colorado.

PROFESSIONAL INFORMATION

Special skills and experience

- Geochemistry lab methods
- Geomorphological field and lab analysis
- Soil field and lab analysis
- Geoarchaeology
- Electron microscopy
- Remote sensing
- Digital image processing
- Quantitative modeling and statistics
- Geographic information systems
- Cartography
- Quaternary geochronometry
- Petrographic thin-sectioning
- Meteorological instruments
- Hazards compliance

Workshops, courses, and other continuing education

- 2008 Teaching Geographic Problem Solving with ArcGIS. 1 day workshop, Association of American Geographers, Boston Annual Meeting.
- 2007 How to create your personal web page. Information Technology, Montclair State University, 1 day workshop.
- 2007 Introduction to Blackboard. Information Technology, Montclair State University. 1 day workshop.
- 2007 Teaching New Student Seminar Instructor Workshops. New Student Experience, Montclair State University and Dr. Joe Cuseo, Marymount College.

Professional memberships

Association of American Geographers (AAG)
 AAG Geomorphology Specialty Group
 AAG Paleoenvironments Specialty Group
 AAG Remote Sensing Specialty Group
 AAG Climatology Specialty Group
 AAG Coastal/Marine Specialty Group
 Middle States Division/AAG
 International Geographical Union
 Geological Society of America (GSA)
 GSA Geoarchaeology Division
 GSA Quaternary Geology & Geomorphology Division
 American Geophysical Union (AGU)
 American Rock Art Research Association (ARARA)
 Association for the Study of Marble and Other Stones in Antiquity (ASMOSIA)

Stone Weathering and Atmospheric Pollution Network (SWAPNet)
Gamma Theta Upsilon (GTU)
Sigma Xi
National Geographic Society Geography Intern Alumni

HONORS AND SERVICE

Honors

- 2008 Honorary Member, Alpha Lambda Delta, National Freshman Academic Honor Society [for “outstanding commitment to first year students”]
- 2008 Nominated, Faculty Service Award, College of Science and Math, Montclair State University
- 2004 Faculty Service Award, College of Science and Math, Montclair State University
- 2004 Elected as Chair, Geomorphology Specialty Group, Association of American Geographers
- 2003-6 Elected as Regional Counselor, Middle States Division, Association of American Geographers (3 year term, serving on the AAG Council)
- 2003 Elected as Secretary, Geomorphology Specialty Group, Association of American Geographers
- 2002 Appointed to chair, Awards Committee, Geomorphology Specialty Group, Association of American Geographers
- 2002-05 Appointed by Dean of Graduate College, Arizona State University, to serve on master’s and doctoral supervisory committees.
- 2001 Elected as President, Middle States Division, Association of American Geographers
- 2000 Elected as Vice President, Executive Committee, Middle States Division, Association of American Geographers
- 2000 Elected committee member, Awards Committee, Geomorphology Specialty Group, Association of American Geographers
- 1999 Featured “geography professional” (one of six, only academic represented), in *Geosystems: An Introduction to Physical Geography, 4th edition* [the leading introductory textbook], by Robert W. Christopherson, Prentice Hall (1999). [Subsequently updated in 5th Edition, 2003, and added to *Elemental Geosystems, 3rd edition*, 2001.]
- 1999 Certificate of Appreciation, Poricy Park Conservancy, for volunteerism and education.
- 1999 Elected as Secretary, Executive Committee, Middle States Division, Association of American Geographers
- 1995 Dean’s Award for Excellence in Teaching by a Faculty Associate, College of Liberal Arts and Sciences Quality of Instruction Committee, Arizona State University.
- 1992 Nominated, Distinguished Teaching Associate, College of Liberal Arts and Sciences Quality of Instruction Committee, Arizona State University.
- 1992 Associate membership, Sigma Xi.
- 1991 Member, Gamma Theta Upsilon, the Geography Honor Society, Arizona State University
- 1988-91 Graduate tuition scholarship, Arizona State University.
- 1988 Geography internship, National Geographic Society, Washington, D.C.
- 1983-84 Regents scholarship, University of Colorado, Colorado Springs.

Citations in media and press

- 11/6/03 "After the flames." P.N. Spotts, *The Christian Science Monitor*, access online www.csmonitor.com. (re: recent research on ecology after severe wildfires)
- 6/12/01 "Millennium Pipeline impact site field trips, Teatown Lake Reservation". (Westchester County, New York, Channel 12 News)
- 4/12/01 "A human face put on global warming tonight at the Screening Zone." S. DeVries, *The Montclair Times*, p. A1, C80. (re: recent air quality policies and global warming)
- Winter '01 "NSF research grant provides opportunity for graduate faculty and student." T. Macaluso, *Montclair State University Graduate Exchange*, p. 1. (re: Paleoclimate research project on the Chinese Loess Plateau.)
- 4/12/99 "Professors discuss the here and now." *Montclair State University Insight*, v. 9, no.26, p.1. (re: use of current events in courses)
- 3/3/99 "La Niña". New Jersey Channel 12 News.
- 11/20/97 "Yogi goes to college." *Caldwell, NJ Progress*. (re: comparison of Martian rocks with those of new stadium site)
- 8/20/97 "Prof's in the ballpark on Yogi." K. MacPherson, *New Jersey Star-Ledger*, p. 1. (re: comparison of Martian rocks with those of new stadium site)
- 8/13/97 "Yogi Rock Found on Mars Similar to Rocks Underneath 'Yogi' Berra Stadium, Geologist Says." *Science Daily*, www.sciencedaily.com. (re: comparison of Martian rocks with those of new stadium site)

Manuscript and research proposal reviews

- City University of New York Internal Research Grants (2006)
- Geomorphology* (1999, 2004, 2005, 2006)
- National Science Foundation (1999, 2005)
- Physical Geography* (1996, 2004)
- National Geographic Society Research Grants (2004)
- The Professional Geographer* (1996, 2002, 2003, 2008)
- Middle States Geographer* (1997, 2000, 2001, 2002, 2004)
- The Journal of Geography* (2001)
- Weathering 2000 Proceedings* (2000)
- American Indian Rock Art* (2000)
- National Oceanic and Atmospheric Administration (2000)
- Association for the Study of Marble and Other Stones, Proceedings V* (1999)
- Annals of the Association of American Geographers* (1999)
- Prentice Hall Publishing Company (1996)
- McGraw-Hill Publishing Company (1996)

Professional service

Administrative and service documents

- 2009 Johnson, Kevin A., David Aborn, and Gregory A. Pope. External Review, MS in Environmental Biology, Louisiana State University at Shreveport. Document on file with the Louisiana Board of Regents, 11 pp.
- 2006 Pope, Gregory A., Wayne Bond, Kathleen Hughes, Susan Kerner, Nancy Lauter, John Leffler, John McGinnis, Diana St. Lifer, Jack Samuels. Chapter Four: Leadership, Governance, and Administration. In Minier, Judith and Wunderlich, Shahla (eds.), *Self Study Report for the Middle States Commission on Higher Education*, pp. 34-41. Document

- prepared for the ten-year university reaccreditation, on file with the Montclair State University Office of the Provost and Vice President for Academic Affairs.
- 2005 Pope, Gregory A. and Carolyn Keiffer. Report of the 2005 External Review Committee, Environmental Sciences Program, State University of New York College at Oneonta. Document on file with the Office of the Dean, School of Science and Social Science, 6 pp.
- 2004 Pope, Gregory A. *Department of Earth and Environmental Studies Mission Statement and Self Study*. Document prepared for Five-Year External Review, on file in the department and with the Montclair State University Office of the Provost and Vice President for Academic Affairs. 68 pp.

Academic

- 2008- Member, Steering Committee, Center for Heritage and Archaeological Studies, Montclair State University
- 2006- Member, University General Education Committee, Montclair State University
- 1997- Undergraduate advisor, Geography program, Dept. of Earth and Environmental Studies, Montclair State University.
- 2004-8 Member, Doctorate in Environmental Management admissions committee, Montclair State University
- 2004-8 Member, Doctorate in Environmental Management doctoral faculty appointment committee, Montclair State University
- 2003-8 Member, University Library Committee, Montclair State University
- 2002-8 Member, Doctorate in Environmental Management executive committee, Montclair State University
- 2008 Member, University Sabbatical Review Committee, Montclair State University
- 2007 Member, Environmental Management Doctoral Director search committee, Dept. of Earth & Environmental Studies, Montclair State University.
- 2006-07 Member, Hydrology search committee, Dept. of Earth & Environmental Studies, Montclair State University.
- 2004-07 Member, Undergraduate Academic Advising Council, Montclair State University
- 2003-07 Coordinator and sponsor, Environmental Studies MA program curriculum revisions, Dept. of Earth & Environmental Studies, Montclair State University.
- 2006 External referee, tenure decision for Dr. Alice Turkington, Department of Geography, University of Kentucky.
- 2003-06 Member, College of Science and Math Infrastructure Committee, Montclair State University.
- 2003-06 Chair, Department of Earth and Environmental Studies, Montclair State University.
- 2005-06 Chair, Governance Subcommittee, and member, Middle States Accreditation Steering Committee, Montclair State University.
- 2005 External review committee member, Environmental Studies Program, State University of New York at Oneonta
- 2005 Member, University Senate Facilities Committee, Montclair State University
- 2000-04 Alternate member, General Education college committee, Montclair State University.
- 2001-03 Associate Chair, Department of Earth and Environmental Studies, Montclair State University.
- 1998-03 Department computer facilities committee, Department of Earth and Environmental Studies, Montclair State University.

- 2002 Member, Search Committee, Geophysics and Environmental Chemistry tenure track faculty positions, Department of Earth & Environmental Studies, Montclair State University.
- 2001-02 Member, Promotion Committee, College of Science and Math, Montclair State University.
- 2001-02 Member, Search committee, Directorship of Montclair State University School of Conservation.
- 1999-2002 Environmental Studies Ph.D. development committee, Department of Earth and Environmental Studies, Montclair State University.
- 1997-2002 Coordinator and sponsor, geography curriculum revision, Department of Earth and Environmental Studies, Montclair State University.
- 1999-2001 Mentor, Student Mentor Leadership Program, Montclair State University.
- 1999 Event organizer, Earth Day 1999, Dept. of Earth & Environmental Studies open house.
- 1998 Honors thesis examiner, Departments of Geology and Anthropology, Oberlin College, Ohio.
- 1997-98 Member, Department Strategic Planning Committee, Dept. of Earth and Environmental Studies, Montclair State University.
- 1997 Organizer, Geomorphology Specialty Group special sessions (2) on weathering, Association of American Geographers 90th Annual Meeting, San Francisco, California.
- 1997 Co-organizer (with W. Solecki, Montclair State University), Discussion Panel: “Geographers and Geography in Multidisciplinary Department Settings—Experience and Prospects”, Association of American Geographers 94th Annual Meeting, Boston, Massachusetts.
- 1997 New faculty selection committee (environmental scientist), Department of Earth and Environmental Studies, Montclair State University.
- 1995-96 Department/Library liaison, Department of Geography, University of Southern California.
- 1990-93 Participant, Arizona Thunderstorm Chasers (AzTC), associated with Southwest Area Monsoon Project (SWAMP).
- 1991 Graduate student representative, Department of Geography, Arizona State University.

Organizational (regional and national)

- 2006-08 Member, Archives and Association History Committee, Association of American Geographers.
- 2006-08 Executive Board, Middle States Division, Association of American Geographers
- 2003-06 Regional Counselor, Middle States Division, Association of American Geographers. 3-year term on AAG Council.
- 2005 Co-organizer and co-chair (with John Kupfer and Steve Yool, University of Arizona), five special paper presentation sessions, “Geosystems, Ecosystems, and Wildfires”, Association of American Geographers Annual Meeting, Denver, Colorado, April 5-9, 2005.
- 2005 Organizer and chair, Blackwell Lecture in Geomorphology and Society, Dr. Peter Birkeland guest speaker, Association of American Geographers Annual Meeting, Denver, Colorado, April 5-9, 2005.
- 2004-05 Chair, Geomorphology Specialty Group, Association of American Geographers.
- 2003-04 Secretary, Geomorphology Specialty Group, Association of American Geographers.
- 2003-04 Member, Local Arrangements Committee, 2004 Annual Meeting, Philadelphia, Pennsylvania, Association of American Geographers.
- 2002-03 Chair, Awards Committee, Geomorphology Specialty Group, Association of American Geographers.

- 2002 Organizer, 2002 Annual Meeting, Montclair, New Jersey, Middle States Division, Association of American Geographers.
- 2001-02 President, Middle States Division, Association of American Geographers.
- 2000-02 Member, Awards Committee, Geomorphology Specialty Group, Association of American Geographers.
- 2000-01 Vice President, Middle States Division, Association of American Geographers.
- 2000-01 Member, Local Arrangements Committee, 2001 Annual Meeting, New York, New York, Association of American Geographers.
- 1999-02 Middle States Division team coach, World Geography Bowl , Annual Meeting of the Association of American Geographers, (New York City, 2001, Pittsburgh, Pennsylvania 2000, Honolulu, Hawai'i 1999).
- 1999-2000 Secretary, Middle States Division, Association of American Geographers.
- 1999 Member, organizing committee, 1999 Middle States Geographers Meeting, West Chester University, West Chester, PA.
- 1998 Member, organizing committee, 1998 Middle States Geographers Meeting, Rutgers University, New Brunswick, NJ.
- 1995 Organizer and chair, Geomorphology Specialty Group special session on weathering, Association of American Geographers 91st Annual Meeting, Chicago, Illinois.
- 1994 Volunteer, 1994 GIS/LIS Conference, Phoenix, Arizona.
- 1994 Co-organizer and co-chair (with T. R. Paradise, U. Hawaii), Geomorphology Specialty Group special session on weathering, Association of American Geographers 90th Annual Meeting, San Francisco, California.
- 1993 Co-leader, International Association of Geomorphologists 3rd International Geomorphological Conference, Field Excursion A3: Geomorphology: Mojave Desert to Death Valley.

Public/Community

- 2007- Advisor, Northeast School Global Studies Magnet Program (GK-5) geography curriculum, Montclair, New Jersey
- 2006 Consultant (*pro bono*), Friends of Anderson Park, Montclair, New Jersey
- 2006 Judge, Science Olympiad, Montclair State University, Spring 2006
- 2004 EARTH Academy Roundtable member, Career Learning Academies and Smaller Schools, Paterson Public Schools, New Jersey, Spring, 2004
- 1999-2002 Volunteer, Teatown Lake Reserve, Ossining, New York.
- 1997-99 Volunteer, Poricy Park Nature Center, Middletown, New Jersey.
- 1997-99 Consultant (*pro bono*), Poricy Park Nature Center, Middletown, New Jersey.
- 1992-94 Judge and moderator, Arizona State Geography Bee, Arizona State University.
- 1991 Judge, Central Arizona Regional Science and Engineering Fair, Arizona State University.