

NAME: John Charles White

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ADDRESS:

Department of Geography & Geology
Eastern Kentucky University
521 Lancaster Ave., Roark 103
Richmond, KY 40475

EDUCATION

Ph.D., Geology, Baylor University, 2002

M.S., Geology, Sul Ross State University, 1997

B.A., History, Sul Ross State University, 1994

ACADEMIC POSITIONS

Eastern Kentucky University, Department of Geography and Geology
Department Chair, July 2008ô present.
Associate Professor, August 2007ô present.
Assistant Professor, August 2003ô August 2007.

East Carolina University, Department of Geology
Instructor, University of North Carolina Field Geology, May 2003ô June 2003.

Elizabeth City State University, Department of Geological, Environmental, and Marine Sciences.
Visiting Assistant Professor, August 2002ô May 2003.

Sul Ross State University, Department of Earth and Physical Sciences.
Visiting Lecturer, July 1999ô May 2002.

Baylor University, Department of Geology.
Graduate Assistant, August 1997ô May 1999.

Sul Ross State University, Department of Earth and Physical Sciences
Research Assistant, May 1996ô August 1997.
Teaching Assistant, August 1994ô May 1996.

TEACHING

Course Prefix and Number	Title	Times Taught at EKU (as of Spring 2010)
GEO 210	Introduction to Physical Geography	1
GLY 107	Gold & Diamonds	7
GLY 108	Introduction to Geology	9
GLY 210	Introductory Geochemistry	1
GLY 302	Earth Science	14
GLY 303	Environmental Geology	1
GLY 309	Mineralogy	5
GLY 408	Process Geomorphology	1
GLY 500/700	Earth Science for Teachers	2
GLY 503/703	Earth Materials	1
GLY 550/750	Evolution of the Earth	1
GLY 580/780	Special Topics:	
	Geology of the Trans-Pecos Region	1
GLY 802	Scientific Communication in Geology	2
GLY 803	Seminar in Geology	1
GLY 804	Research Methods	1
GLY 822	Igneous and Metamorphic Petrology	1
GLY 880	Special Topics: Advanced Geochemistry	1
GLY 880	Special Topics: Economic Geology	1

PUBLISHED WORKS

Refereed Journal Articles:

White, J.C., Parker, D.F., and Ren, M., 2009, The origin of trachyte and pantellerite from Pantelleria, Italy: Insights from major element, trace element, and thermodynamic modelling. *Journal of Volcanology and Geothermal Research*, v. 179, p. 33-55.

Parker, D.F. and **White, J.C.**, 2008, Large-scale alkalic magmatism associated with the Buckhorn caldera, Trans-Pecos Texas, USA: Comparison with Pantelleria, Italy. *Bulletin of Volcanology*, v. 70, p. 403-415.

White, J.C., Benker, S.C., Ren, M., Urbanczyk, K.M., and Corrick, D.W., 2006, Petrogenesis and tectonic setting of the peralkaline Pine Canyon caldera, Trans-Pecos Texas, USA. *Lithos*, v. 91, p. 74-94.

Ren, M., Omenda, P.A., Anthony, E.Y., **White, J.C.**, Macdonald, R., and Bailey, D.K., 2006, Application of the QUIF thermobarometer to the peralkaline trachytes and pantellerites of the Eburru volcanic complex, East African Rift, Kenya. *Lithos*, v. 91, p. 109-124.

White, J.C., Ren, M., and Parker, D.F., 2005, Variations in mineralogy, temperature, and oxygen fugacity in a suite of strongly peralkaline lavas and tuffs, Pantelleria, Italy. *Canadian Mineralogist*, v. 43, p. 1331-1347.

White, J.C., Holt, G.S., Parker, D.F., and Ren, M., 2003, Trace element partitioning between alkali feldspar and peralkalic quartz trachyte to rhyolite magma, part I: Systematics of trace element partitioning. *American Mineralogist*, v. 88, p. 316-329.

White, J.C., 2003, Trace element partitioning between alkali feldspar and peralkalic quartz trachyte to rhyolite magma, part II: Empirical equations for calculating trace-element partition coefficients for large-ion lithophile, high field-strength, and rare earth elements. *American Mineralogist*, v. 88, p. 330-337.

Ren, M., Parker, D.F., and **White, J.C.**, 2003, Partitioning of Sr, Ba, Rb, Y and LREE between plagioclase and peraluminous felsic magma. *American Mineralogist*, v. 88, p. 1091-1103.

White, J.C., and Urbanczyk, K.M., 2001, Origin of a silica-oversaturated quartz trachyte-rhyolite suite through combined crustal melting, magma mixing, and fractional crystallization: the Leyva Canyon volcano, Trans-Pecos Magmatic Province, Texas. *Journal of Volcanology and Geothermal Research*, v. 111, p. 155-182.

Refereed Proceedings/Transactions:

White, J.C., Benker, S.C., Ren, M., Urbanczyk, K.M., and Corrick, D.W., 2005, Petrogenesis of a peralkaline quartz trachyte, rhyolite, and high-silica rhyolite suite via fractional crystallization, assimilation, and crustal melting: the South Rim Formation, Big Bend National Park, Texas USA. In: *Peralkaline rocks: Sources, economic potential and evolution from alkaline melts* (M. Marks, ed.), Workshop on peralkaline rocks, Eberhard Karls Universität Tübingen, Germany, p. 120-121.

Anthony, E.Y., Ren, M., Omenda, P.A., and **White, J.C.**, 2005, QUILF equilibria for trachytes and pantellerites from the Kenya Rift. *Geochimica et Cosmochimica Acta*, v. 69, n. 10, Supplement 1, p. A85.

Ren, M., **White, J.C.**, and Parker, D.F., 2005, Comprehensive trace-element partitioning models for silicic magmas. 15th Annual Goldschmidt conference, Moscow, Idaho. *Geochimica et Cosmochimica Acta*, v. 69, n. 10, Supplement 1, p. A244.

Ren, M., Anthony, E.Y., Omenda, P.A., and **White, J.C.**, 2005, Petrogenesis of trachytes and pantellerites from the Eburru volcanic complex, Kenya Rift, East Africa. In: *Peralkaline rocks: Sources, economic potential and evolution from alkaline melts* (M. Marks, ed.), Workshop on peralkaline rocks, Eberhard Karls Universität Tübingen, Germany, p. 1-2.

Non-Refereed Proceedings/Transactions:

Urbanczyk, K.M., Rohr, D.M., and **White, J.C.**, 2001, Geologic history of west Texas. In: *Aquifers of West Texas* (R.F. Mace, W.F. Mullican, III, and E.S. Angle, eds.). Texas Water Development Board Report 356, p. 17-25.

Other published works:

White, J.C., ed., 2002, The Geology of Big Bend National Park: What have we learned since Maxwell and others (1967)? Field trip guidebook for the 2002 South-Central Geological Society of America Meeting, Alpine, Texas. 69 p.

Parker, D.F., Barker, D.S., Holt, G.S., and **White, J.C.**, 2000, Peralkalic rhyolite of the Davis Mountains and Big Bend areas, Texas. Field trip guidebook for the 2000 South-Central Geological Society of America Meeting, Fayetteville, Arkansas. 45 p.

Urbanczyk, K.M. and **White, J.C.**, 1997, Guidebook to the Geology of the Bofecillos Volcano, Big Bend Ranch State Park. Field trip guidebook for the 1997 meeting of the Southwestern Association of Student Geological Societies (SASGS). Sul Ross State University, Alpine, Texas. 56 p.

ORAL PAPERS PRESENTED/ INVITED LECTURES

The geology and petrology of the volcanic island of Pantelleria, Italy. **White, J.C.**, 2009, Rast-Hollbrook Seminar Series (Invited Lecture), University of Kentucky, Department of Earth and Environmental Sciences.

Mineralogic assessment of the South Rim Formation: additional implications for petrogenetic diversity. Benker, S.C., **White, J.C.**, Ren, M., and Anthony, E.Y., 2009, *Geological Society of America Abstracts with Programs*, v. 41, n. 2, Abstract No. 154472. GSA South-central Meeting, Dallas, Texas.

Basement structures and Rio Grande rift magmatism in west Texas. Parker, D.F., McMillan, N.J., and **White, J.C.**, 2009, *Geological Society of America Abstracts with Programs*, v. 41, n. 2, Abstract No. 153878. GSA South-central Meeting, Dallas, Texas.

Thermodynamic modeling of the origin of trachyte and pantellerite, Pantelleria, Italy. **White, J.C.**, Parker, D.F., and Ren, M., 2008, *Geophysical Research Abstracts*, v. 10, EGU2008-A-01524. European Geosciences Union General Assembly, Vienna, Austria.

Deep Earth: Life in Unexpected Places, **White, J.C.**, October 25, 2007, Chautauqua Lecture Series (Invited Lecture), Eastern Kentucky University.

New evidence for stratigraphic revision of the South Rim Formation, Big Bend National Park, Texas, Benker, S.C., **White, J.C.**, Miggins, D.P., and Anthony, E.Y., 2007, *Geological*

Society of America Abstracts with Programs, v. 39, n. 6, p. 511. GSA Annual Meeting, Denver, Colorado.

Aenigmatite-ilmenite-clinopyroxene equilibria and applications to geothermometry and oxygen barometry in pantelleritic melts: Examples from Pantelleria (Italy) and Eburru (Kenya), **White, J.C.**, Ren, M., Parker, D.F., and Anthony, E.Y., 2006, *Geological Society of America Abstracts with Programs*, v. 38, n. 3, p. 9. GSA Southeastern Meeting, Knoxville, Tennessee.

Geology of the South Rim Formation, Big Bend National Park, Texas: Petrology, Volcanology, and the Evolution of its Interpretation, **White, J.C.**, 2004, Rast-Hollbrook Seminar Series (Invited Lecture), University of Kentucky, Department of Geological Sciences.

Variability in mineral assemblage, temperature, and oxygen fugacity in a suite of strongly peralkaline lavas and tuffs from Pantelleria, Italy., **White, J.C.**, Ren, M., and Parker, D.F., 2004, *Geological Association of Canada—Mineralogical Association of Canada Program with Abstracts*, v. 29, p. 419. GAC-MAC Annual Meeting, St. Catherines, Ontario, Canada.

Variations in alkali feldspar/melt trace-element partitioning during fractionation of peralkalic quartz trachyte-rhyolite suites, **White, J.C.**, Parker, D.F., and Ren, M., 2003, *Geological Society of America Abstracts with Programs*, v. 35, n. 1, p. 69. GSA South-central / Southeastern Meeting, Memphis, Tennessee.

The Pine Canyon Rhyolite: A newly recognized occurrence of pantellerite in Big Bend National Park, Texas, **White, J.C.** and Urbanczyk, K.M., 2002, *Geological Society of America Abstracts with Programs*, v. 34, n. 3, p. 10. GSA South-central Meeting, Alpine, Texas.

Spatial variations in water chemistry at selected springs in Big Bend National Park, Urbanczyk, K.M. and **White, J.C.**, 2002, *Geological Society of America Abstracts with Programs*, v. 34, n. 3, p. 6. GSA South-central Meeting, Alpine, Texas.

Big Bend Ranch State Park as a classroom for an introductory Petrology course, Urbanczyk, K.M., **White, J.C.**, Trevizo, L., Bogle, L., and Lund, K., 2002, *Geological Society of America Abstracts with Programs*, v. 34, n. 3, p. 36. GSA South-central Meeting, Alpine, Texas.

Stratigraphic analysis of the water-bearing units of the Sunny Glen drainage basin near Alpine, Texas, Puckett-Palczynsky, C.E., Urbanczyk, K.M., and **White, J.C.**, 2002, *Geological Society of America Abstracts with Programs*, v. 34, n. 3, p. 35. GSA South-central Meeting, Alpine, Texas.

Geochemistry of Davis Mountains peralkalic volcanic centers: A comparison with Pantelleria, Italy, **White, J.C.** and Parker, D.F., 2000, *Geological Society of America Abstracts with Programs*, v. 32, n. 3, p. 44-45. GSA South-central Meeting, Fayetteville, Arkansas.

Identifying controls on groundwater chemistry in arid, Tertiary volcanic terranes, Big Bend National Park and Big Bend Ranch State Park, Texas, Urbanczyk, K.M. and **White, J.C.**, 2000, *Geological Society of America Abstracts with Programs*, v. 32, n. 7, p. 344. GSA Annual Meeting, Reno, Nevada.

Pine Canyon caldera, Big Bend National Park, Texas: A new interpretation, Urbanczyk, K.M. and **White, J.C.**, 2000, *Geological Society of America, Abstracts with Programs*, v. 32, n. 3, p. 43. GSA South-central Meeting, Fayetteville, Arkansas.

Geochemical evolution of the Leyva Canyon Member of the Rawls Formation, a trachytic shield volcano in south Presidio County, Big Bend Ranch State Park, Texas, **White, J.C.** and Urbanczyk, K.M., 1999, *Fifth symposium on Resources of the Chihuahuan Desert Region: U.S. and Mexico*, p. 28. Chihuahuan Desert Research Institute (CDRI) Meeting, Alpine, Texas.

Colorado canyon and the margin of the San Carlos caldera, Urbanczyk, K.M. and **White, J.C.**, 1999, *Fifth symposium on Resources of the Chihuahuan Desert Region: U.S. and Mexico*, p. 28. Chihuahuan Desert Research Institute (CDRI) Meeting, Alpine, Texas.

The stratigraphy of the volcanoclastic units of the Member #2 of the Rawls Formation, Big Bend Ranch State Park, Texas, Urbanczyk, K.M. and **White, J.C.**, 1996, *Geological Society of America Abstracts with Programs*, v. 28, n. 1, p. 67. GSA South-central Meeting, Austin, Texas.

POSTERS PRESENTED

The origin of trachyte and the $\delta^{18}\text{O}$ gap at Pantelleria, Italy. **White, J.C.**, Parker, D.F., and Ren, M., 2009, *Geological Society of America Abstracts with Programs*, v. 41, n. 7, p. 112. GSA Annual Meeting, Portland, Oregon.

Na_2O and trace element behavior in trachytes and phonolites at Suswa volcano, Kenya: the result of combined magma mixing and volatile-rich Na trace element fluids, Espejel-Garcia, V.V., Anthony, E.Y., Ren, M., Macdonald, R., Skilling, I.P., and **White, J.C.**, 2008, *EOS, Transactions of the American Geophysical Union Abstracts*, No. V21B-2108. AGU Annual Fall Meeting, San Francisco, California.

Magma recharge and mixing processes that triggered the eruption of trachytes and phonolites at Suswa volcano, Kenya Rift, East Africa, Espejel-Garcia, V.V., Anthony, E.Y., Ren, M., Macdonald, R., and **White, J.C.**, 2007, *EOS, Transactions of the American Geophysical Union Abstracts*, No. V33C-1511. AGU Annual Fall Meeting, San Francisco, California.

- Effect of silicic melt composition on accessory REE phases, Ren, M., Anthony, E.Y., **White, J.C.**, Miggins, D, and Kelts, A.B., 2006, *Geological Society of America Abstracts with Programs*, v. 38, n. 7, p. 294. GSA Annual Meeting, Philadelphia, Pennsylvania.
- Hydrogeochemistry of an igneous aquifer in the southern Davis Mountains, Trans-Pecos Texas, Ervin, C.A., **White, J.C.**, and Urbanczyk, K.M., 2006. *Geological Society of America Abstracts with Programs*, v. 38, n. 3, p.14. GSA Southeastern Meeting, Knoxville, Tennessee.
- Mineral equilibria constrains on the temperatures of metaluminous to peralkaline flood rhyolite in the Davis Mountains volcanic field, Trans-Pecos Texas, Surlles, S.J. and **White, J.C.**, 2006. *Geological Society of America Abstracts with Programs*, v. 38, n. 3, p.14. GSA Southeastern Meeting, Knoxville, Tennessee.
- Petrogenesis of a sapphire-bearing pegmatite, Old Pressley Mine, Canton, North Carolina, Wegert, D., **White, J.C.**, and Farrar, S., 2006. *Geological Society of America Abstracts with Programs*, v. 38, n. 3, p. 74. GSA Southeastern Meeting, Knoxville, Tennessee.
- The petrography and geochemistry of the South Rim Formation, Big Bend National Park, Benker, S.C., **White, J.C.**, Ren, M., Urbanczyk, K.M., and Corrick, D.W., 2005. Texas. *Geological Society of America Abstracts with Programs*, v. 37, n. 2, p. 35. GSA Southeastern Meeting, Biloxi, Mississippi.
- The geology of the Pine Canyon caldera system, Big Bend National Park, Texas, Corrick, D.W., Urbanczyk, K.M., Brauch, B., **White, J.C.**, and Benker, S.C., 2004. *Geological Society of America Abstracts with Programs*, v. 36, n. 5, p. 127. GSA Annual Meeting, Denver, Colorado.
- Intensive parameters for the trachyte-pantellerite association deduced from mineral chemistry: the Eburru volcanic complex, Kenya Rift., Ren, M., Anthony, E.Y., **White, J.C.**, and Omenda, P., 2004, *Geological Society of America Abstracts with Programs*, v. 36, n. 5, p. 228. GSA Annual Meeting, Denver, Colorado.
- Influence of sanidine structure on trace-element partitioning, Ren, M., **White, J.C.**, and Parker, D.F., 2003. *Geological Society of America Abstracts with Programs*, v. 35, n. 6, p. 579. GSA Annual Meeting, Seattle, Washington.
- The influence of whole rock CaO content on plagioclase/melt Sr and Ba partitioning in rhyolite, Ren, M., Parker, D.F., and **White, J.C.**, 2001. *Geological Society of America Abstracts with Programs*, v. 33, n. 6, p. 236. GSA Annual Meeting, Boston, Massachusetts.

Systematic control of crystal and melt chemistry on feldspar trace element partitioning for Rb, Sr, and Ba: Part I, peralkalic trachyte and rhyolite, **White, J.C.**, Parker, D.F., and Ren, M., 2000. *Geological Society of America Abstracts with Programs*, v. 32, n. 7, p. 148. GSA Annual Meeting, Reno, Nevada.

Systematic control of crystal and melt chemistry on feldspar trace element partitioning for Rb, Sr, and Ba: Part II, metaluminous and peraluminous rhyolite, Ren, M., Parker, D.F., and **White, J.C.**, 2000. *Geological Society of America Abstracts with Programs*, v. 32, n. 7, p. 147-148. GSA Annual Meeting, Reno, Nevada.

Petrography and geochemistry of the Leyva Canyon Member of the Rawls Formation, Big Bend Ranch State Park, Texas, **White, J.C.** and Urbanczyk, K.M., 1997. *Geological Society of America Abstracts with Programs*, v. 29, n. 2, p. 50. GSA South-central / Rocky Mountain Meeting, El Paso, Texas.

PROFESSIONAL MEETINGS/WORKSHOPS

Geological Society of America National Meeting, October 2009, Portland, Oregon.

American Association of Geographers Department Leadership Workshop, July 2009, Wilmington, North Carolina.

Council of Colleges of Arts and Sciences Department Chairs Seminar, July 2008, Pittsburgh, Pennsylvania.

European Geosciences Union General Assembly, April 2008, Vienna, Austria.

Geological Society of America Southeastern Regional Meeting, March 2006, University of Tennessee, Knoxville.

Kentucky Academy of Sciences Meeting, 2005, Eastern Kentucky University, Richmond.

Workshop on Peralkaline Magmatism, March 2005, Eberhard Karls Universität Tübingen, Germany.

Geological Association of Canada / Mineralogical Association of Canada National Meeting, May 2004, Brock University, St. Catharines, Ontario, Canada.

Geological Society of America Southeastern Regional Meeting, March 2003, University of Memphis, Tennessee.

Geological Society of America South-Central Regional Meeting, March 2002, Sul Ross State University, Alpine, Texas. Field Trip Chair and Field Trip Leader.

Texas Water Development Board Conference on the Aquifers of West Texas, December 2001, Sul Ross State University, Alpine, Texas.

Geological Society of America National Meeting, October 2001, Boston, Massachusetts.

Geological Society of America National Meeting, October 2000, Reno, Nevada.

Geological Society of America South-Central Regional Meeting, March 2000, University of Arkansas, Fayetteville. Field Trip Co-Leader.

Fifth symposium on Resources of the Chihuahuan Desert Region: U.S. and Mexico, August 1999, Chihuahuan Desert Research Institute, Alpine, Texas.

Geological Society of America South-Central Regional Meeting, March 1998, Texas Tech University, Lubbock.

Geological Society of America South-Central Regional Meeting, March 1997, University of Texas at El Paso.

Geological Society of America South-Central Regional Meeting, March 1996, University of Texas at Austin.

GRANTS & CONTRACTS

Funded Projects as PI

The role of volatiles in rift-zone magmatism. **John C. White** (PI), University Research Committee, ECU, \$4,825, April 2009-2010.

An integrated field, mineralogical, and geochemical investigation of the origin of the Green Tuff, Pantelleria, Italy. **John C. White** (PI), American Philosophical Society, Philadelphia, PA, \$2,000, May 2006.

Phase equilibria constraints on intensive crystallization parameters of peralkaline granite and rhyolite. **John C. White** (PI), University Research Committee, ECU, \$4,940, January-October 2006.

The origin of peralkaline rhyolite. **John C. White** (PI), University Research Committee, ECU, \$4,982. January-December 2004.

STUDENT SUPERVISION (Scholarly/Creative Activities)

Emily Denlinger (BS Honors, 2009), December 2008- May 2009

Jennifer S. Helms (MS, 2008), August 2007- December 2008

Caroline Jahn (MS, 2007), April 2007- August 2007

Daniel J. Wegert (MS, 2006), August 2004- August 2006

S. Christian Benker (MS, 2005), August 2003- August 2005

INSTITUTIONAL SERVICE

University Financial Planning Council (Chairs Association Representative), Spring 2009- present.

University Chairs Association, Fall 2008- present.

University Graduate Council, Fall 2005- Spring 2008;

Subcommittee on Faculty Affairs, Fall 2005- Spring 2008,

Chair, Subcommittee on Faculty Affairs, Fall 2007- Spring 2008.

University General Education Workshop, Summer 2005 & 2006.

College of Arts & Sciences Curriculum Committee, Fall 2006- Fall 2009.

College of Arts & Sciences Chairs Work Group, Fall 2008- present.

College of Arts & Sciences NMS Research Award Committee, Fall 2003- Spring 2005.

Department of Geography & Geology Faculty Search Committees, Summer 2008

and Spring 2008.
 Department of Geography & Geology Chair Search Committee, Fall 2007.
 Department of Geography & Geology Curriculum Committee, Fall 2007ô Spring 2008;
 Chair, Fall 2007ô Spring 2008.
 Department of Geography & Geology Graduate Program Committee, Fall 2003ô Spring
 2008.
 Department of Geography & Geology Planning & Assessment Committee, Fall 2007ô
 Spring 2008.
 Department of Geography & Geology *Ad Hoc* Governance Committee, Summer 2007ô
 Spring 2008.
 Department of Geography & Geology Web Coordinator, Summer 2007ô present.
 Department of Earth Sciences Graduate Program Committee, Fall 2003ô Spring 2007;
 Chair, Fall 2004ô Spring 2007.
 Department of Earth Sciences Curriculum Committee, Fall 2003ô Spring 2007;
 Chair, Fall 2004ô Spring 2007.
 Department of Geography Faculty Search Committee, Spring 2006.
 Department of Earth Sciences Faculty Search Committee, Summer 2004.
 Department of Earth Sciences Web Coordinator, Summer 2005ô Summer 2007.
 Geosciences Club Advisor, Fall 2006ô Spring 2007.
 Geology Club Co-Advisor, Fall 2003ô Spring 2006.
 First Year Book Program, August 2006, Small Group Leader
 First Year Field Trip to Red River Gorge, August 2005, Co-Leader

SERVICE TO THE PROFESSION

Reviewer, *Lithos*, Fall 2009
 Reviewer, Oxford University Press, Fall 2009
 Reviewer, *Geochimica et Cosmochimica Acta*, Summer 2009.
 Reviewer, Prentice-Hall, Spring 2009.
 Reviewer, *Journal of Petrology*, Summer 2008.
 Reviewer, McGraw-Hill, Spring 2008.
 Reviewer, *Mineralogical Magazine*, Spring 2008.
 Reviewer, Prentice-Hall, Summer 2006.
 Reviewer, *Lithos*, Summer 2005
 Reviewer, National Science Foundation, Summer 2005.
 Field Trip Chair, Geological Society of America (GSA) South-central Section Meeting, Spring
 2002.
 Member, American Geophysical Union (AGU)
 Member, European Geosciences Union (EGU)
 Member, Geological Society of America (GSA)
 Member, Kentucky Academy of Sciences (KAS)
 Member (Inactive), Sigma Xi

PROFESSIONALY RELATED COMMUNITY SERVICE

Tsunami Colloquium Panelist, Members of the EKU and Madison County communities, January 20, 2005.

Kentucky Science and Engineering Fair (KYSEF) Judge, Middle and High School Students, April 2004, 2005, & 2006.

Guest Speaker, Kit Carson Elementary School 4th Grade Classes, October 2005.

Guest Speaker, Kit Carson Elementary School 3rd Grade Classes, November 2006.

HONORS AND AWARDS

Excellence in Research and Creative Activities Award (Natural and Mathematical Sciences), 2008-2009, EKU College of Arts & Sciences.

Junior Faculty Research Award, 2006, EKU College of Arts & Sciences.

Clifford B. Casey History Book Award, 1994, Department of Behavioral and Social Sciences, Sul Ross State University, Alpine, Texas.