

CURRICULUM VITAE PERSONAL DATA

Name: Gene Joseph Paull

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EDUCATION

University of Arizona

Ph. D., major – anthropology (archaeology); minor - geochronology, Dec., 1976

M.A., anthropology, May, 1970

University of California, Santa Cruz

Intensive Spanish; June-August, 1970

Pennsylvania State University

B.A., major - anthropology; minor - geography; June, 1967

TEACHING EXPERIENCE

University of Texas Rio Grande Valley, 2015-present

Part-time lecturer - School of Earth, Environmental, and Marine Sciences

University of Texas at Brownsville

Professor of Geosciences, 1991-2015 Chair, Department of Chemistry and Environmental Sciences,
2000-present

Texas Southmost College, Brownsville, Texas

Instructor, Physical Science Dept.

Sept., 1975-August, 1991

Orange Coast College, Costa Mesa, California

Temporary asst. prof. of anthropology and geography

Feb., 1972 - January, 1974

CURRICULUM DEVELOPMENT

Implementation and Texas Higher Education Coordinating Board Approval of The Bachelor of Science Degree in Environmental; Sciences, September, 2005.

Received approval from the Texas Higher Education Coordinating Board for Planning for the M.S. in Environmental Sciences, September, 2009.

PROFESSIONAL EXPERIENCE AND FIELDWORK

Exploring Water Quality Through PBL

2012 – Texas Higher Education Coordinating Board Grant, 84.367B,
Reynaldo Ramirez PI, Gene J. Paull Content Area Faculty

UTEACH – The University of Texas at Brownsville

2011 – core team of grant writers

Texas Nation Battlefield Preservation Grant,

2011, National Park Service, contract with Dr. Michael Wagenen,
Department of History, The University of Texas at Brownsville

Bureau of Economic Geology, University of Texas

Regional Ecological Resource Assessment of the Rio Grande

Riparian Corridor: A Multidisciplinary Approach to

Understanding Anthropogenic Effects on Riparian Communities
in Semi-Arid Environments, funded by Environmental Protection

Agency, principal investigator from the University of Texas
at Brownsville, January 2000 – May, 2004.

Capacity Building for Resource Assessment and Responsible

Development, Texas-Mexico Border Region. Project funded by The
Coordinating Board for Higher Education, State of Texas,

Principal Investigator from the University of Texas at Brownsville.
January 1998 - August, 1999.

Bureau of Economic Geology, University of Texas

Multiple Attribute G.I.S. Environmental Baseline, Lower Rio Grande Valley
Research Project

Principal Investigator from the University of Texas at Brownsville
January, 1994-1995.

Dendrochronology Laboratory, University of Arkansas, Fayetteville, Ark.

1996-present, collaboration with Dr. David Stahle, fieldwork in northeastern Mexico, tree-ring collections and building a master dendroclimatological chronology for the Sierra Madre Oriental.

Ph. D. Dissertation Topic

The Application of Central Place Theory to the Settlements of the Pacific Coast of Guatemala

Research and Teaching Interests

Geographic regions: Central America and Mexico, South America, Texas border area

Theoretical and topical interest: Geographic Information Systems as applied to land use and settlement patterns, tropical adaptations, environmental degradation, climate change.

Languages

Spanish - fluent

PROFESSIONAL PUBLICATIONS AND TECHNICAL REPORTS

- 2010 El Valle: The Lower Rio Grande Delta, Lawrence Lof and Seth Patterson (editors). Senior author, contributed 12 chapters, pp 26-75, 102-103, 158-159. Gorgas Science Foundation Publisher.
- 2004 Regional Ecological Resource Assessment of the Rio Grande Riparian Corridor: A Multidisciplinary Approach to Understanding Anthropogenic Effects on Riparian Communities in Semiarid Environments. Final Report prepared for Environmental Protection Agency. Co-authored with Jay Raney, Melba Crawford Frank Judd, and Robert Lonard. Austin: Bureau of Economic Geology.
- 2002 Annual Performance Report, U.S Environmental Protection Agency. Regional Ecological Resource Assessment of the Rio Grande Riparian Corridor. Co-author with Jay Raney, Melba Crawford Frank Judd, Robert Lonard, Andrea Lopez, and Danny Govea.

- 2000 Regional Ecological Resource Assessment of the Rio Grande
Riparian Corridor: A Multidisciplinary Approach to Understanding
Anthropogenic Effects on Riparian Communities in
Semi-Arid Environments; co-authored with Jay Raney, Melba
Crawford,
Frank Judd, Robert Lonard, Amy Neuenschwander, Thomas
Tremblay, and William White, Proceedings 2000 STAR Regional
Analysis and Assessment Progress Review Workshop, p.
21,
National Center for Environmental Research.
- 2000 Recent Tree Ring Research in Mexico. In Dendrocronologia en
America Latina. Co-authored with David W. Stahle, Jose
Villanueva,
Malcolm Cleveland, Matthew Terrell, Barney Burns, Wilver
Salinas,
Humberto Suzan, and Peter Fule. EDIUNC, Mendoza, Argentina,
pp. 285-306.
- 1994 Geographic Information Systems (GIS) of the Rio Grande Delta for
Regional Water Management. Co-author with E. Gerry Wermund
and
Thomas Tremblay. Factor Affecting Water Resources.
Proceedings, Texas Section, American Water Resources
Association.
- GIS Base Data for Water Management on the Rio Grande Delta Plain.
Co-author with E. Gerry Wermund and Thomas Tremblay. GIS/
LIS
Proceedings. American Congress on Surveying and Mapping.
- 1978 Review of Native Populations of the Americas in 1492,
William N. Denevan (ed.). Professional Geographer 39:2:
219-220.
- 1978 Anthropological Research Potential of the Lower Rio Grande
Valley of Texas and Tamaulipas, Mexico. South Texas
Institute of Latin and Mexican-American Research,
Working Paper No. 1. Brownsville. (Co-author with
Anthony N. Zavaleta).

1977. Climatic Variations in the Lower Rio Grande Valley of South Texas. South Texas Journal of Research and the Humanities 1:1:8-29.

PRESENTATIONS AT CONFERENCES

2002 Land Use Mapping and Environment in the Lower Rio Grande Valley of South Texas. Paper to be presented at The Texas Academy of Sciences annual meeting, Laredo, Texas, Feb. 28-March 2, 2002. Co-authored with Andrea Lopez, Danny Govea, and Maria Isabel Salazar.

2001 Land Use Mapping of the Lower Rio Grande Valley of Texas and Northeast Mexico, co-authored with Andrea Lopez, Danny Govea, Maria Isabel Salazar, Thomas Tremblay, Jay Raney, and Bill White. Proceedings of 50th Annual Meeting, Geological Society of America, Southeastern Section, p. A-24.

2000 Building a GIS Database for the Texas-Mexico Border Region. Co-authored with Andrea Lopez, Maria Isabel Salazar, Thomas Tremblay, and Jay Raney. 34th Annual Meeting, South-Central Section of the Geological Society of America, published abstracts, Vol. 32, No. 3, p. A-38.

1999 Digital Geologic Maps and Environmental Resource Assessment of the United States-Mexico Border Region. Co-authored with Jeri Sullivan, Thomas Tremblay, Andrea Lopez, and Maria Isabel Salazar. 48th Annual Meeting Southeastern Section of the Geological Society of America, published abstracts, Vol. 31, No. 3, p. A-59.

ENVIRONMENTAL IMPACT STATEMENTS

1984 Cameron County Water District, statement for proposed pipeline, Cavazos to Los Fresnos, Texas.

1982 Farco Mining Company, Laredo, Texas. Environmental impact statement prepared for Farco Mining company, expansion of mine perimeter.

1978 Archaeological Investigations at Aransas National Wildlife Refuge: Site Testing. Environmental impact statement prepared for U.S. Dept. of the Interior, Fish and Wildlife Service (co-worker - Anthony N. Zavaleta)

City of Pharr, Texas

December, 1978; environmental impact statement prepared for city of Pharr; archaeological clearance for proposed bridge construction

City of Mercedes, Texas

December, 1978; environmental impact statement prepared for city of Mercedes; archaeological clearance for proposed park expansion

United States Dept. of the Interior, Fish and Wildlife Service, Albuquerque, N.M.

June-Sept., 1978; environmental impact statements for Fish and Wildlife Service for proposed construction in wildlife refuge; Santa Ana Wildlife Refuge, Pharr Texas - involved archaeological field survey; Aransas Wildlife Refuge, Aransas County, Texas - involved archaeological field survey and site testing

COMMUNITY SERVICE AND OUTREACH

Member, Brownsville City Heritage Council, member, 1990-present

The University of Wisconsin, Madison

“Crossing Borders – Environmental Justice Course,” The University of Wisconsin, Madison, June, 2009

Faculty member for University of Wisconsin, Madison course entitled “Crossing Borders.” Course taught on the

campus of The University of Texas Brownsville, June 12-
July 5, 2006 and June, 2008. In addition to teaching, I provided
logistical and technical support for implementing a
cooperative arrangement between The University of Texas
at Brownsville and The University of Wisconsin, Madison.

Texas Parks and Wildlife – Texas Master Naturalist Program

February 23, 2011 – Texas Master Naturalist, presentation of
The Hydrogeology of the Lower Rio Grande Valley

February 17, 2010 – Texas Master Naturalist, presentation of
Lower Rio Grande Valley Landforms and Climate

Featured speaker, March 8, 2006, March 5, 2008, and March 4, 2009
Topics – Geology of the Lower Rio Grande Valley, Rio Grande Valley
Landuse, and Climate of the Lower Rio Grande Valley

Guest Speaker, February, 2004

Topic – Land Use Changes in the Lower Rio Grande Valley,
1960-1995

Lower Rio Grande Valley Wildlife Association – Weslaco, Texas

Featured Speaker - March 1, 2008, topic - Climate and Geology of the
Lower Rio Grande Valley

Starr County, Texas, Wildlife Association

Featured Speaker, March 9, 2008, topic - Climate of the Lower Rio Grande
Valley of Texas

Art Shows

Brownsville Museum of Fine Art

January, 2012, 41st Annual Show – first place in the photography division for “Stormy Sunset”

35th International Art Show, March 1-5, 2006, received two third place and one honorable mention for natural landscape photography.

Sid Richardson Gallery, The University of Texas at Brownsville

September 1-30, 2004

Indigenous Mesoamerica, September 1-30, 2004, curated photographic exhibit relating the natural history of Mexico and Central America.

CONTINUING EDUCATION

Short Course

August 16-18, 2001

Visualizing the Earth and Oceans from Space, Chautauqua California Field Center, Pasadena, California.