

Texas Geography Student Research Symposium

TXGSRS

"Sharing the Excitement of Research"



Dr. Todd Votteler

Executive Manager
Guadalupe-Blanco River Authority
"Everything You Always Wanted
to Know About the Edwards
Aquifer Dispute, But Were
Afraid to Ask"

April 4th 4:00-5:00 pm ELA 116

In 1996, Senior U.S. District Court Judge Lucius Bunton appointed Todd H. Votteler, Ph.D. as the Federal Special Master for the ESA litigation, Sierra Club v. San Antonio. Previously, Votteler was the Federal Court Monitor's assistant during the Endangered Species Act (ESA) litigation over the Edwards Aquifer, Sierra Club v. Babbitt from 1994 - 1996. His previous experience includes work as a Research Scientist at the Battelle-Pacific Northwest National Laboratory, in Washington, D.C. Votteler has a Bachelor of Science in Natural Resources from The University of the South, a Master of Science in Natural Resources from The University of Michigan, and a Ph.D. in Environmental Geography from Texas State University. He joined the Guadalupe-Blanco River Authority in 2000 where he is currently the Executive Manager of Intergovernmental Relations and Policy and a member of the five person GBRA Executive Team. Votteler also serves as the Executive Director of the Guadalupe-Blanco River Trust, a 501(c)3 land and water trust with an independent board. He serves on the Board of the Texas Land Trust Council as well. Votteler is a founder and editor of the Texas Water Journal, an online journal devoted to Texas water policy issues that will be launched late in 2008. He has written on a range of Texas water issues.

4:00 - 5:00

Acknowledgements Room 116

Texas Geography Student Research Symposium Committee

Graduate Chair:
Undergraduate Chair:
Webmaster:
Recording Secretary:
Program Chair:
Lara Bryant
Keya Howard
Matt Connolly
Marques Green
Tara Noah

Food and Door Prizes: Susan Peters, Kristina Tower Panel Chairs: Edris Montalvo, Waverly Ray

Faculty Advisor: Lawrence Estaville

Staff Support: Charles Robinson, Pat Hell-Jones, Angelika

Wahl

Plenary Session Room 116 Chair: Lara Bryant

Dr. Todd Votteler Executive Manager, Guadalupe-Blanco River

Authority

"Everything You Always Wanted to Know About the Edwards Aquifer Dispute, But Were Afraid to Ask"

5:15 - 5:30

Door Prizes Room 116
Chairs: Susan Peters and Kristina Tower

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ESRI

Grosvenor Center for Geographic Education Texas State University Bookstore Mamacita's Restaurant Dr. Richard W. Dixon, Associate Professor, Texas State

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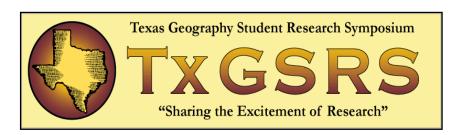
Thanks to the Geography Department

Especially:

Dr. Philip Suckling, Chair

Dr. David Butler, Graduate Coordinator

Dr. Richard Earl, Undergraduate Coordinator





Fourth Annual

Texas Geography Student Research Symposium

Department of Geography Texas State University-San Marcos

4 April 2008



Yongmei Lu	Associate Professor of Geography, Texas
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State

Steven De La Cerda College Republicans Representative, Texas

State

Dan Huebner Texas State Undergraduate Student

Themes in Water Resources Chair: Ben Warden		Room 312		
	Chair. B	en warden		
	2:30	Andrew Day	Groundwater Contaminant	
			Concentrations for the Barton Sp	orings
			Edwards Aquifer, Texas	
	2:50	Kirk Schoppe	Effectiveness in Reducing Water	
			Demand: Landscape-Oriented W	⁷ ater
			Conservation for Kyle, Texas	
	3:10	A. Case Watkins	Through the Lens of Katrina: A	
			Historical Geography of the Soc	
			Patterns of Flood Exposure in N	ew
			Orleans	
	3:30	Ben Warden	Hydraulic Geometry of the Pede	rnales
			River	

	i <mark>ion Issues in Geogra</mark> Lara Bryant	phy Room 315
2:30	Anthony Warzecha	Student Teaching in the Social Studies Classroom
2:50	Dorothy Ibes	Post Disaster Parks
3:10	Chris Murr	Impact of a Scholarship Workshop

		Outreach Program on Underrepresented
		Populations in Texas
3:30	Lara Bryant	Measuring Changes in Student
		Environmental Affect

Themes in Geography	Room 314
Chair: Susan Peters	

2:30 Matt Townley Who is Fit in America

11:00 - 12:20

The Rule of Capture: Wise or Wasteful	Room 311
Chair: Keya Howard	

Panelists:

Rick Illgner Edwards Aquifer Authority, Adjunct Faculty

in Groundwater Management

Russell Johnson Adjunct Faculty in Water Policy, Water

Law Attorney

Ben Warden Texas State Master's Student
Laura Gunnells Texas State Undergraduate Student

Technology in GeographyChair: Bill Collins

11:00	Jose Silvan- Cardenas	Retrieval of Sub-Pixel Tamarix Canopy Cover from Landsat Data along the
	Curdenus	Forgotten River: Assessing the Influence of Multiple Scattering
11:20	Jiao Wang	Detecting Land Use and Land Cover Change in the Texas-Mexico Border Twin
		Cities with Remote Sensing Data Beginning in 1980s
11:40	Nancy Tian	Regional Cluster Analysis of Female Breast Cancer at the County Level of United States
12:00	Bill Collins	Evacuation Microsimulation of Diurnal Population Distributions

Geographic Education in the University Setting	Room 315
Chair: Waverly Ray	

11:00	Audrey Mohan	Survey Development and Measurement of
		Geography Teacher Self-Efficacy
11:20	Edris Montalvo	Recruiting, Retaining, and Graduating
		Latinos and African Americans in American
		Higher Education: A Geographic Analysis

11:40 Waverly Ray Crossing the Digital Divide: An

Undergraduate Geography Interaction Between Papua New Guinea and the United

States

12:00 Angela Wranic Learning Oriented Object: Global Warming

12:20 - 1:00

Daniel Elder

Lunch

Poster Session	ELA 3rd floor hallway
Beau Barela	Potential Marketing Areas for New Membership for the Capitol Area Council Boy Scouts

Keith Bremer Socio-Economic Characteristics of Different Land

Use Areas in Austin, Texas 2000 The Business Geography of HEB

Tianfang Fang An Analysis of the Driving Factors for Land Use

Change in Hulin County, China
The Projector Cooperative of Programs

Charles Good The Business Geography of Buc-ee's

Tara Noah Possible Habitat for the Large-Fruited Sand

Verbena

Johanna Ostling Warning Behavior Response: An Investigation of

Public Response During the Palm Beach County

Tornado of 7 August 2003

Peter Van Zandt Environmental Impact of Segment 6 of State

Christen Eckhoff Department Highway 130

1:00-2:20

Is Your Dream Job in Environmental Education?: Room 311

Students Meet Professionals

Chair: Lara Bryant

Panelists:

Beth Banks Lower Colorado River Authority
Steven Friedlein Lower Colorado River Authority
Cinde Jimenez Guadalupe-Blanco River Authority
Ashley Matthews Texas Parks and Wildlife Department

Greg Wukasch San Antonio Water System

Christine Coats
Dorothy Ibes
Barbara Graham
Texas State PhD Student
Texas State Master's Student
Texas State Undergraduate Student

Biogeography: Impacts and Techniques	Room 312
Chair: Jacob Maas	

1:00	Shelia Henk	Comparing Press Responses to Wild Boars/Feral Pigs (Sus scrofa) in Great Britain and the United States
1:20	Suzi Wiseman	The Shrinking Range of Rhinoceri
1:40	James Dietrich	A New Technique Combining Remote
2:00	Jacob Maas	Sensing and GIS Tools to Analyze Repeat Photography from Glacier National Park Traumatic Resin as Indicators of Geomorphic Processes in Douglas Fir (Pseudotsuga menziesii) and Subalpine Fir

Real-World Applications in GIS	Room 315
Chair: Charles Yorke	

Christopher Faulkner Implementation of GIS for Woodcreek,	
James Thomas	Texas
Billy Shamburg	Creating Spatial Solutions for a Local
	Cemetery Using GIS
Jan Schneider	Interactive GIS emphasizing Hydrologic
Wes Poehlmann	Data and Current land-use in the
Alyssa Murphy	Texas Hill Country
	James Thomas Billy Shamburg Jan Schneider Wes Poehlmann

2:30 - 3:50

No Entrada: The Texas-Mexico Border FenceChair: Edris Montalvo

Room 311

Panelists:

Byron Augustin Professor of Geography, Texas State
Brock Brown Associate Professor of Geography, Texas

State

Don Huebner Senior Lecturer in Geography, Texas State