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# RESEARCH

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2013

# IS NATURE THE ANSWER?

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SCIENCE, SCHOLARSHIP & THE ARTS AT THE  
UNIVERSITY OF NORTH TEXAS  
A Student-Focused Public Research University

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**1 \ Open Access:  
Contextualizing the Archi-  
volted Portals of Northern  
Spain and Western France  
Within the Theology and  
Politics of Entry**

(Cambridge Scholars Publishing)  
**Mickey Abel**, *associate pro-  
fessor of art history*

The book explores the his-  
tory, development and mean-  
ing of the “archivolted” portals  
adorning many of the rural  
ecclesiastical structures of  
12th century western France  
and northern Spain.

Abel argues that the con-  
centrically stepped and orna-  
mented archivolts likely used  
sculptural imagery accessible  
to both monks and parish-  
ioners. She suggests that the  
form reflects the kinetic ele-  
ments inherent to pilgrimage  
and crusade, as well as cultural  
interaction with the Islamic  
courts of Spain and the  
politics of the Peace of God  
movement, with its emphasis  
on relic processions.

Abel is now working on  
a book about the monastic  
development of a canal system  
around Maillezais Abbey in  
western France.

**2 \ Policing the Roman  
Empire: Soldiers, Adminis-  
tration and Public Order**

(Oxford University Press)  
**Christopher J. Fuhrmann**,  
*associate professor of history*

Although the popular  
theory is that Roman society  
relied on kinship networks or  
self-regulation to resolve con-

flicts, Fuhrmann says the evi-  
dence points to an expansion  
of state-sponsored policing  
activities in the early centuries  
of the Common Era.

Drawing on art, archaeol-  
ogy, administrative docu-  
ments, Egyptian papyri, laws,  
religious texts and ancient nar-  
ratives, he gives an overview  
of Roman imperial policing  
practices, including the role of  
Augustus and the expansion of  
policing under his successors  
— a new means by which the  
state could control its subjects.  
The book is the first general  
analysis of Roman policing in  
more than a century and the  
first ever in English.

**3 \ Latinos in the New  
Millennium: An Almanac  
of Opinion, Behavior and  
Policy Preferences**

(Cambridge University Press)  
**Luis R. Fraga**, *University of  
Washington*; **John A. Garcia**,  
*Institute for Social Research*;  
**Rodney E. Hero**, *University  
of California – Berkeley*;  
**Michael Jones-Correa**, *Cornell  
University*; **Valerie Martinez-  
Ebers**, *UNT professor of  
political science*; and **Gary M.  
Segura**, *Stanford University*

Martinez-Ebers, who also is  
an alumna of UNT, co-wrote  
this comprehensive profile  
of Latinos that compares  
conventional wisdom regard-  
ing their attitudes and efforts  
to assimilate with the most  
recent empirical evidence.  
She and her co-writers raised  
\$1.3 million through grants

from various foundations to  
ask Latinos more than 160  
questions regarding their  
social characteristics, group  
relations, policy positions and  
political orientations.

Chapters she wrote or co-  
wrote for the book cover top-  
ics such as demographics, gen-  
der role attitudes, and media  
and technology usage. The  
book is a follow-up to 2010’s  
*Latino Lives in America:  
Making it Home*. The third  
book in the series is expected  
to be published this year.

**4 \ Robust SRAM Designs  
and Analysis**

(Springer)  
**Jawar Singh**, *Indian Institute  
of Information Technology,  
Design and Manufacturing*;  
**Saraju P. Mohanty**, *UNT  
associate professor of computer  
science and engineering*; **Dhiraj  
K. Pradhan**, *University of  
Bristol*

This guide to static ran-  
dom access memory bitcell  
design and analysis is meant  
to help meet challenges such  
as process variation, leakage  
and temperature instability for  
complementary metal oxide  
semiconductor devices and  
emerging devices.

The authors highlight the  
most popular SRAM options  
for reducing process vari-  
ability, an ongoing challenge  
in large memory arrays. They  
also include trade-offs for  
achieving the best design and  
provide techniques and exper-  
imental simulation setups.

Mohanty’s research in  
design for very-large-scale  
integration is funded by the  
National Science Foundation  
and the Semiconductor  
Research Corp.

**5 \ Klallam Dictionary**

(University of Washington Press)  
**Timothy Montler**, *profes-  
sor of linguistics*

Working with the elders,  
educators and tribal coun-  
cils of the Klallam Tribes in  
northwest Washington and  
British Columbia, Montler  
has compiled a comprehensive  
dictionary with more than  
9,000 entries for the endan-  
gered language of Klallam.

He began working with  
the tribes more than 30 years  
ago, and in 2007, the Klallam  
Language Program asked that  
he work on a dictionary. He  
received funding through the  
Documenting Endangered  
Languages program, a  
cooperative program of the  
National Endowment for the  
Humanities and the National  
Science Foundation.

He has a new grant to work  
on a dictionary and electronic  
text archive for Saanich, a  
language spoken on southern  
Vancouver Island.

**6 \ Miniature Forests of  
Cape Horn: Ecotourism with  
a Hand Lens**

(UNT Press/Ediciones Universi-  
dad de Magallanes)  
**Bernard Goffinet**, *University  
of Connecticut*; **Ricardo Rozzi**,

UNT professor of philosophy and religion studies; Lily Lewis, doctoral student who participated in UNT's Chile study abroad course; William Buck, New York Botanical Garden; and Francisca Massardo, University of Magallanes

This guide provides information on the "miniature forests" in the southernmost end of Chile — a world hotspot of biodiversity for liverworts, mosses and lichens that surround the trees and rocks.

The bilingual book with full-color photos describes the architecture, life cycles and identification of the taxonomic groups of these organisms. It also includes a natural history narrative and introduces the ecotourism experience of using a magnifying glass or camera to appreciate the highly diversified organisms. Rozzi is the director of UNT's Sub-Antarctic Biocultural Conservation Program in Chile.

### 7 \ Conservation Biology and Applied Zooarchaeology (University of Arizona Press)

Steve Wolverton, UNT associate professor of geography, and R. Lee Lyman, University of Missouri-Columbia, editors

This book is designed to show how zooarchaeology, a sub-field of archaeology and ethnobiology, can inform conservation science. It offers case studies using animal remains from archaeological and paleontological sites to provide

information with implications for wildlife management and conservation biology.

Case study topics include the marine ecology of shellfish and fish, potential restoration sites for Sandhill Cranes and conservation of animals such as American black bears. Essays also address issues of political and social ecology. Wolverton is an ecologist and archaeologist specializing in the paleozoology of North America during the Holocene epoch.

### 8 \ The Destiny of Modern Societies: The Calvinist Predestination of a New Society

(Haymarket Books)

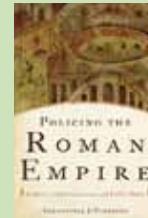
Milan Zafirovski, professor of sociology

Part of the Studies in Critical Social Sciences series, this book extends previous analyses of the impact of Calvinism to explore how it has determined most contemporary social institutions in America, including those in the political, civic, cultural and economic areas.

It applies the idea of the destiny of societies or nations to American society in particular. Zafirovski, whose research interests include political sociology and economy, social stratification and theory, also is the author of *Liberal Modernity and Its Adversaries* and *The Enlightenment and its Effects on Modern Society*.



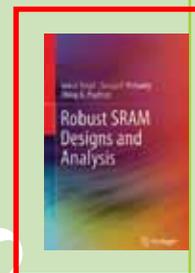
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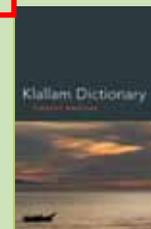
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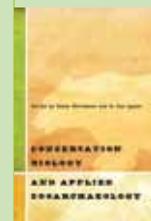
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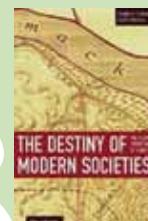
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