

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

---

Great Plains Research: A Journal of Natural and  
Social Sciences

Great Plains Studies, Center for

---

Fall 2002

## Great Plains Research Volume 12, Number 2, Fall 2002 - Table of Contents

Follow this and additional works at: <https://digitalcommons.unl.edu/greatplainsresearch>



Part of the [Other International and Area Studies Commons](#)

---

"Great Plains Research Volume 12, Number 2, Fall 2002 - Table of Contents" (2002). *Great Plains Research: A Journal of Natural and Social Sciences*. 627.  
<https://digitalcommons.unl.edu/greatplainsresearch/627>

This Article is brought to you for free and open access by the Great Plains Studies, Center for at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Great Plains Research: A Journal of Natural and Social Sciences by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

# GREAT PLAINS RESEARCH

A JOURNAL OF  
NATURAL AND  
SOCIAL SCIENCES

Volume 12, Number 2

Fall 2002



CENTER FOR GREAT PLAINS STUDIES  
UNIVERSITY OF NEBRASKA

## CENTER FOR GREAT PLAINS STUDIES

The Center for Great Plains Studies was established in 1976 by the University of Nebraska to promote a greater understanding of the people, culture, history, and environment of the Great Plains through a variety of research, teaching, and outreach programs. The Center encompasses six divisions: Administration and Programs, Great Plains Art Collection, *Great Plains Quarterly*, *Great Plains Research*, *Journals of the Lewis and Clark Expedition* editing project, and *Encyclopedia of the Great Plains* writing and editing project. Administered through the College of Arts & Sciences of the University of Nebraska–Lincoln, the Center includes resident Fellows on four campuses and non-resident Associate Fellows around the world. **James Stubbendieck**, *Range Ecology*, is director of the Center. **Gary Moulton**, *History*, is associate director.

**GREAT PLAINS RESEARCH**, a biannual multidisciplinary science journal, publishes original research and scholarly reviews of important advances in the natural and social sciences with relevance to the Great Plains region, with special emphasis on environmental, economic and social issues. It includes reviews of books and reports on symposia and conferences. The journal is indexed and/or abstracted in *America: History and Life*, *BIOSIS Previews*, *Biological Abstracts*, *Cambridge Scientific Abstracts*, *Environmental Abstracts*, *Historical Abstracts*, *Geo Abstracts* and *GEODBASE*, *Journal of Planning Literature*, *Meteorological and Geostrophysical Abstracts*, *Sage Family Studies Abstracts*, *Sage Urban Studies Abstracts*, and *Sociological Abstracts, Inc.*

The editorial policy encourages those submissions in particular that make general findings in the sciences relevant to this vast region. Articles should include thoughtful reviews of critical scientific findings and issues relevant to the Great Plains, whether the research was done in the Great Plains or not. The key will be how well the findings are related to the region, and how well the science is communicated to other scientists outside the specific discipline, in the style of *Scientific American*, for example. The most successful paper in natural sciences for a journal year will be acknowledged with the Charles E. Bessey Award, and the best paper in social sciences will receive the Leslie Hewes Award.

The following types of articles are of particular interest:

- Synopses** of the “state of the science” on topics with relevance to the Great Plains;
- Overviews** of critical environmental, economic and social issues for the plains;
- Reviews** of knowledge on important questions and their regional application;
- Syntheses and cross-disciplinary analyses** with relevance to the plains;
- Original research findings**, such as have been published in *GPR* since 1991.

Scientists doing interesting work with important implications for this region are invited to synthesize their significant research results and present them and their relevance to this audience. The overall goal is to develop *Great Plains Research* as a centralized outlet for science of regional importance, to communicate important scientific findings to as wide an educated audience as possible, and to help keep scientists, interested citizens and leaders of this region up-to-date on scientific progress relevant to the Great Plains.

**Editor:** Svaťa M. Louda, *Biological Sciences*

**Editorial Assistant:** Heather Hunter and Mary Johnson Davis

**Book Review Editor:** George E. Wolf, *English*

**Production Manager:** Gretchen Walker

**Production Designer:** Linda J. Ratcliffe

**Copyeditor:** Lona Dearthmont

**Associate Editor for Social Sciences:** TBA

**Associate Editor for Natural Sciences:** James Stubbendieck, *Range Ecology*

**Cover photo:** Two young black-tailed prairie dogs. NEBRASKAland Magazine/Nebraska Game and Parks Commission photo.

**GREAT PLAINS RESEARCH** (ISSN 1052-5165) is published biannually in Spring and Fall by the Center for Great Plains Studies, University of Nebraska–Lincoln. Subscriptions per year: US Individual \$25.00, Institutional \$50.00; Canada Individual \$30.00, Institutional \$55.00; other foreign Individual \$35.00, Institutional \$60.00. Third class postage paid at Lawrence, Kansas. *Postmaster: send address changes and undeliverable copies to* Great Plains Research, 1155 Q Street P.O. Box 880246, Lincoln, NE 68588-0246. *Return postage is guaranteed.* Phone: 402-472-6970; FAX: 402-472-0463; E-mail: <gpr@unl.edu>; Web page: <<http://www.unl.edu/plains/publications/gpr.html>>

© Copyright 2002 by the Center for Great Plains Studies

**This publication is printed on acid-free recycled paper by Allen Press, Inc., Lawrence, KS.**

# GREAT PLAINS RESEARCH

Volume 12 Number 2

Fall 2002

## CONTENTS

### PRAIRIE DOG DIALOGUE

**How Many Black-Tailed Prairie Dogs Were There?: A Dialogue Demonstrates Both the Process of Science and the Role of Science in Environmental Issues**

Svaňa M. Louda .....195

**Distribution and Abundance of Black-Tailed Prairie Dogs in the Great Plains: A Historical Perspective**

Dallas R. Virchow and Scott E. Hygnstrom.....197

**Black-Tailed Prairie Dog Abundance and Distribution in the Great Plains Based on Historic and Contemporary Information**

Craig J. Knowles, Jonathan D. Proctor, and Steven C. Forrest.....219

**Estimation of Presettlement Populations of the Black-Tailed Prairie Dog: A Reply**

Dallas R. Virchow and Scott E. Hygnstrom.....255

### NATURAL SCIENCES

**Western Harvester Ants' Foraging Success and Nest Densities in Relation to Grazing Intensity**

Shaharra J. Usnick and Richard H. Hart.....261

**Community Dynamics of an Ecotonal Forest-Prairie Interface in Northeastern Kansas**

Elizabeth N. Hane and Steven P. Hamburg.....275

**Flooding in Kansas: Respondents' Satisfaction with Emergency Response Measures and Disaster Aid**

Bimal Kanti Paul.....295

**Early Human-Bison Population Interdependence in the Plains Ecosystem**

Henry Epp and Ian Dyck.....323

### SOCIAL SCIENCES

**Was Old Jules Right?: Soil Stewardship on Leased Land**

Bruce B. Johnson and John D. Cole.....339

**Watering the Plains: Political Dynamics of River Preservation in Canada and the United States**

Joan M. Blauwkamp and Peter J. Longo.....353

**Reasons for the Marginal Incorporation of the Comanches by the Spanish**

Martha McCollough.....369

**BOOK REVIEWS.....385**

**NEWS AND NOTES.....407**

**ANNUAL INDEX.....409**

## BOOK REVIEWS

- Ray, Arthur J., Jim Miller, and Frank Tough.  
**Bounty and Benevolence: A History of Saskatchewan Treaties**  
 By Jennifer S.H. Brown.....385
- Barron, F. Laurie, and Joseph Garcea, eds.  
**Urban Indian Reserves: Forging New Relationships in Saskatchewan**  
 By J.R. Miller.....386
- French, Laurence Armand  
**Addictions and Native Americans**  
 By Benson Tong.....387
- Bonnichsen, Robson, and Karen L. Turnmire, eds.  
**Ice Age Peoples of North America: Environments, Origins, and Adaptations of the First Americans**  
 By Leland C. Bement.....389
- Katz, Yossi, and John C. Lehr  
**The Last Best West: Essays on the Historical Geography of the Canadian Prairies**  
 By Carl J. Traci.....391
- Klassen, Henry C.  
**A Business History of Alberta**  
 By Max Foran.....392
- Rochín, Refugio, and Dennis Valdés  
**Voices of a New Chicana/o History**  
 By James A. Garza.....394
- Maril, Robert Lee  
**Waltzing with the Ghost of Tom Joad: Poverty, Myth, and Low-Wage Labor in Oklahoma**  
 By Ginette Aley.....395
- Schlosser, Eric  
**Fast Food Nation: The Dark Side of the All-American Meal**  
 By Toby A. Ten Eyck.....397
- Radenbaugh, Todd A., and Patrick Douaud  
**Changing Prairie Landscapes**  
 By Fred Samson.....398
- Abell, Robin A., David M. Olson, Eric Dinerstein, Patrick T. Hurley, et al.  
**Freshwater Ecoregions of North America: A Conservation Assessment**  
 By Arnold van der Valk.....400
- Francaviglia, Richard V.  
**The Cast Iron Forest: A Natural and Cultural history of the North American Cross Timbers**  
 By Brock Brown.....402
- Busby, William H., and John L. Zimmerman  
**Kansas Breeding Bird Atlas**  
 By Paul A. Johnsgard.....403
- Seyffert, Kenneth D.  
**Birds of the Texas Panhandle: Their Status, Distribution, and History**  
 By Mark Lockwood.....404
- Wilkinson, Kathleen  
**Wildflowers of Alberta: A Guide to Common Wildflowers and Other Herbaceous Plants**  
 By Melanie Elliott.....406