

# Santa Rita Experimental Range:

One-Hundred Years (1903-2003)  
of Accomplishments and Contributions

A Conference in Tucson, AZ  
30 October – 1 November 2003



## *Purpose*

This conference will celebrate the accomplishments and forecast the future contributions on the longest continuously operating research area dedicated to the sustainable management of North American rangelands.

## *Format*

The conference begins on Thursday night with a hosted dinner and presentation on the history of the Santa Rita. During Friday morning and early afternoon, invited speakers will review the significance of research findings developed on the Santa Rita and forecast the opportunities and directions for future research accomplishments. Poster presentations of ongoing research on the Santa Rita will be presented during Friday afternoon.

Saturday morning and afternoon will be spent on the Santa Rita, where short, guided excursions will be made to several locations. A lunch BBQ at the Santa Rita Headquarters in Florida Canyon will conclude the conference. Transportation will be provided from the conference Hotel to the Santa Rita headquarters on Saturday morning. All attendees should plan to use that transportation because limited parking space prevents the accommodation of personal vehicles in the headquarters area.

## *Location*

The conference site is the Holiday Inn Palo Verde, 4550 S. Palo Verde Road, Tucson, Arizona 85714, USA. A block of rooms at this hotel has been reserved for conference participants at a cost per room of \$58.00 for single, \$68.00 for double and \$78.00 for a two-room poolside suite. To reserve a room from this block, contact the hotel directly. The toll-free number for reservations is 1-800-465-4329 and the local telephone number is 1-520-746-1161. Identify yourself as a participant in the Santa Rita Centennial Conference when making arrangements. Participants may also make room reservations online through the hotel website, [www.holidayinntucsonairport.com](http://www.holidayinntucsonairport.com), and use RNR as the Group Booking Code.

Please make your reservations as soon as possible. These rates only apply to the reserved block of rooms, and for the dates including 28 October through 2 November 2003.

## ***Registration***

Early registration is \$100.00 and must be post-marked by 1 September 2003. Registration after that date will be \$150.00. The registered participants will receive a copy of the program, the conference proceedings (distributed at the conference), refreshments during breaks, dinner on 30 October and lunch on 31 October.

An additional \$30.00 fee is required to attend the field day and BBQ on 1 November. Additional lunch, dinner, and field trip tickets can be purchased for participant guests.

## ***Proceedings Publication***

Papers from all invited speakers and poster presentations will be included in a peer-reviewed proceedings published by the USDA Forest Service Rocky Mountain Research Station. It will be distributed at the conference.

## ***Continuing Education Units (CEUs) for Certified Professionals in Rangeland Management***

8 CEUs are available for attending talks and posters on 30 and 31 October,  
2 CEUs are available for attending the field trip on 1 November

## ***Conference Sponsors***

*US Department of Agriculture  
Forest Service Rocky Mountain Research Station  
Agricultural Research Service  
Natural Resources Conservation Service*

*University of Arizona  
College of Agriculture and Life Sciences  
School of Renewable Natural Resources  
International Arid Lands Consortium*

*Arizona State Land Department*

*Society for Range Management*

## **COMPANION CONFERENCE**

First Interagency Conference on Research in the Watersheds  
27-30 October 2003, Benson, Arizona

Commemorating the 50th Anniversary of the USDA ARS Walnut Gulch  
Experimental Watershed

Schedule, location and registration information are available at  
<http://www.tucson.ars.ag.gov/unit/ICRW.htm> or by contacting Susan Moran at  
smoran@tucson.ars.ag.gov or 520-670-6380 X 171.

## Conference Schedule

*30 October: Holiday Inn*

*Registration and No-Host Bar: 5PM*

*Dinner and invited talk: 6PM*

**History of the Santa Rita** *by Nathan Sayre*

*31 October: Holiday Inn*

*Invited Talks: 8:00AM - 1:30PM*

**Vegetation Change** *by Mitchel McClaran*

**Livestock Production** *by George Ruyle*

**Wildlife Ecology and Management** *by Paul Krausman and Michael Morrison*

**Cultural Resources** *by John Madsen*

**Hydrology and Soil Erosion** *by Leonard Lane*

**Vegetation Management** *by Peter Ffolliott, Gerald Gottfried, and William Kruse*

**Revegetation Practices** *by Bruce Munda and Mark Pater*

**Future of the Santa Rita** *by Tom Sheridan*

*Poster Presentations: 2:00PM – 5:00PM*

**Climate variability and the spread of non-native plant species at the Santa Rita Experimental Range, Arizona** *by Michael A. Crimmins and Theresa Mau-Crimmins*

**Predicting Lehmann lovegrass spread in southeastern Arizona, USA** *by Erika Geiger, Theresa Mau-Crimmins, and Heather Schussman*

**Optical characterization of mesquite and grass cover in the Santa Rita Experimental Range for land degradation studies** *by Jorry Kaurivi and Alfredo Huete*

**The role of soil morphology on mesquite sensitivity to summer precipitation** *by A. Fravolini, K.R. Hultine, and D.G. Williams*

**Genetic variation in an introduced apomictic grass, *Eragrostis lehmanniana* Nees on the Santa Rita Experimental Range in southeastern Arizona, USA** *by H.R. Schussman, S.E. Smith, and G.R. McPherson*

**Mesquite control and mulching treatment impacts on herbage production and soil properties** *by Stacey Pease, Peter F. Ffolliott, Leonard F. DeBano, and Gerald J. Gottfried*

**Quail diets and habitat use on the Santa Rita Experimental Range** *by Alvin Medina*

**Lehmann lovegrass and native grass competition: two and four year survival** by *S.H. Biedenbender, M.P. McClaran, and B.A. Roundy*

**Exploring different types of technology used on the Santa Rita Experimental Range** by *Michael Rose*

**The International Arid Lands Consortium: A synthesis of accomplishments** by *Peter F. Ffolliott, Jeffrey O. Dawson, James T. Fisher, Itshack Moshe, Timothy E. Fulbright, W. Carter Johnson, Paul Verburg, and Jim P.M. Chamie*

**Soils and ecological sites at the Santa Rita Experimental Range** by *Don Breckenfeld and Dan Robinett*

**Assessment of fire-damaged mesquite trees eight years following an illegal burn** by *Gerald J. Gottfried and Peter F. Ffolliott*

**Grazing management and mesquite control effects on semi-arid watersheds** by *M.R. Kidwell, H.D. Fox, and L.J. Lane*

**Sweet resinbush (*Euyops subcarnosus*) on the Santa Rita Experimental Range: An eradication effort** by *Larry D. Howery, Bruce Munda, Dan G. Robinett, and Harry H. Buck*

**Color, particle size, and spectral characteristics of Santa Rita Experimental Range soils** by *A. Karim Batchily and Donald F. Post*

**Cow Weights and Calf Production for Pasture 12-C Lehmann Lovegrass Grazing Trials, 1982-1993** by *Phil R. Ogden and E. Lamar Smith*

**The influence of pulsed water events on soil temperature, Santa Rita Experimental Range, Southeastern Arizona** by *Nathan B. English, D.G. Williams, and J.F. Weltzin*

**New Data Sources and Derived Products for the SRER Digital Spatial Database** by *Craig Wissler and Deborah Angell*

*1 November: Santa Rita*

*Field Tour: 9AM - 3PM*

***Visit points of Interest and BBQ***

**For More Information: *contact***

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Additional Information at <http://ag.arizona.edu/SRER>

# REGISTRATION FORM

One-Hundred Years (1903 – 2003)  
of Accomplishments and Contributions

30 October – 1 November 2003

Tucson, Arizona

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

	<u>Quantity</u>	<u>Total \$</u>
<b><u>Registration</u></b>		
Early: \$100 each (before 1 September 2003)	_____	_____
Late: \$150 each (after 1 September 2003)	_____	_____
Student: \$35 each	_____	_____
<b><u>Field Trip</u></b> \$30 each	_____	_____
<b><u>Additional Dinner</u></b> \$25 each (30 October)	_____	_____
<b><u>Additional Lunch</u></b> \$15 each (31 October)	_____	_____
<b><u>Additional Field Trip</u></b> \$35 each (1 November)	_____	_____
	<b>Total Cost</b>	_____

Make check payable to:  
University of Arizona – Santa Rita Centennial Conference.

Mail the check and the completed registration form to:

Peter F. Ffolliott  
The University of Arizona  
School of Renewable Natural Resources  
325 Bio Sciences East  
Tucson, AZ 85721