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, 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](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


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

Mitch McClaran,
School of Renewable Natural Resources, University of Arizona, Tucson, AZ 85721
520-621-1673 (voice), 520-621-8801 (fax), mcclaran@ag.arizona.edu (e-mail)

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 ________________________________________________________

<table>
<thead>
<tr>
<th>Registration</th>
<th>Quantity</th>
<th>Total $</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early: $100 each (before 1 September 2003)</td>
<td>________</td>
<td>________</td>
</tr>
<tr>
<td>Late: $150 each (after 1 September 2003)</td>
<td>________</td>
<td>________</td>
</tr>
<tr>
<td>Student: $35 each</td>
<td>________</td>
<td>________</td>
</tr>
</tbody>
</table>

| Field Trip | $30 each |
| ________ | ________ |

| Additional Dinner | $25 each (30 October) |
| ________ | ________ |

| Additional Lunch | $15 each (31 October) |
| ________ | ________ |

| Additional Field Trip | $35 each (1 November) |
| ________ | ________ |

**Total Cost** ________

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