

Ecology and Management of the Blackbrush Ecosystem

A Special Symposium held in conjunction with the
**12th Biennial Conference of Science and Management on the
Colorado Plateau**

September 16-19, 2013, Northern Arizona University

The session will be held Tuesday, September 17, 2013 from 9:30 AM–5:15 PM

AGENDA

9:30–10:00 THE EVOLUTION OF WIND POLLINATION IN THE ROSACEAE, WITH SPECIAL EMPHASIS ON BLACKBRUSH. **PENDLETON**, ROSEMARY; E. Durant McArthur; and Burton Pendleton

10:00–10:30 EVIDENCE FOR MAST SEEDING IN BLACKBRUSH. **PENDLETON**, BURTON; Susan Meyer; Rosemary Pendleton; and Bryce Richardson

10:30–11:00 BLACKBRUSH DISPERSAL, RECRUITMENT, AND ESTABLISHMENT: PATTERNS IN TIME AND SPACE. **MEYER**, SUSAN; Janene Auger; and Burton K. Pendleton

11:00–11:30 RECRUITMENT HISTORY AND POPULATION AGE STRUCTURE IN BLACKBRUSH (*COLEOZYNE RAMOSISSIMA*): A DENDROCHRONOLOGICAL ASSESSMENT. **KITCHEN**, STANLEY G.; Susan E. Meyer; and Stephanie L. Carlson

11:30–1:00 **LUNCH**

1:00–1:30 RESISTANCE, RESILIENCE, AND HABITAT CHANGE IN RESPONSE TO DISTURBANCE OF BLACKBRUSH (*COLEOZYNE RAMOSISSIMA*). **ESQUE**, TODD C.; Kenneth E. Nussear; Richard D. Inman; and Robert H. Webb

1:30–2:00 BLACKBRUSH (*COLEOZYNE RAMOSISSIMA*) IN THE MOJAVE DESERT AND ON THE COLORADO PLATEAU: POPULATION STABILITY, DEMOGRAPHY, AND RECOVERY FROM DISTURBANCE. **WEBB**, ROBERT H.; Todd C. Esque; Seth M. Munson; and Jayne Belnap

2:00–2:30 MANAGING BLACKBRUSH LOSS IN THE MOJAVE DESERT. **HUGHSON**, DEBRA; Jean Pan, and Josh Hoines

2:30–3:00 REHABILITATION OF DISTURBED BLACKBRUSH (*COLEOZYNE RAMOSISSIMA*) COMMUNITIES. **DEFALCO**, LESLEY; and Sara J. Scoles-Sciulla

3:00–3:15 **BREAK**

3:15–3:45 STRUCTURE AND SPECIES INTERACTIONS IN THE BLACKBRUSH (*COLEOZYNE RAMOSISSIMA*) COMMUNITY. **WALKER**, LAWRENCE R.; Fred H. Landau; Daniel B. Thompson; and Todd C. Esque

3:45–4:15 CLIMATE-ADAPTED POPULATIONS OF BLACKBRUSH: IMPLICATIONS FOR CURRENT AND FUTURE MANAGEMENT. **RICHARDSON**, Bryce

4:15–4:45 ECOPHYSIOLOGY OF BLACKBRUSH. **GERMINO**, MATTHEW J.

4:45–5:15 MODELING BLACKBRUSH DISTRIBUTION IN THE PAST, PRESENT, AND FUTURE. **NUSSEAR**, KEN; Bryce Richardson; Todd Esque; Rich Inman; and Nathan Custer