Wednesday, March 19

Session No. 1: 8:00 AM-12:00 PM
Igneous/Metamorphic Petrology, and Volcanology
Student Union 208C

1. Gene Smith, Presenting (Racheal Johnsen, Denise Honn: Co-Authors)
   Presentation Time: 10:40 AM-11:00 AM
   A NEW 3-DIMENSIONAL VIEW OF THE MID-MIOCENE VOLCANIC AND PLUTONIC ROCKS OF THE RIVER MOUNTAINS, SOUTHERN NEVADA
   Abstract

Session No. 2: 8:00 AM-11:00 AM
Quaternary Geology, Geomorphology, and Archaeological Geology
Student Union 209

1. Matt Lachniet, Co-Author (Gerald Osborn: Presenting)
   Presentation Time: 8:20 AM-8:40 AM
   PROBLEMS WITH A GLACIAL INTERPRETATION OF LANDFORMS AND SEDIMENTS IN THE SPRING MOUNTAINS, NEVADA
   Abstract

Session No. 4: 8:00 AM-12:00 PM
Patricia H. Cashman, James H. Trexler, and Wanda J. Taylor, Presiding
Pennsylvanian to Early Triassic Deformation and Sedimentation in the Western US
Student Union 208A

1. Wanda Taylor, Co-Author (Danielle Villa: Presenting)
   Presentation Time: 10:50 AM-11:10 AM
   REINTERPRETATION OF THE IRON POINT “THRUST” AT EDNA MOUNTAIN, NEVADA, AS A PENNSYLVANIAN LOW-ANGLE NORMAL FAULT
   Abstract

2. Sam Siebenaler, Presenting (Wanda Taylor: Co-Author)
   Presentation Time: 11:10 AM-11:30 AM
STRUCTURAL AND BIOCHRONOLOGIC ANALYSIS OF THE NORTHERN DRY HILLS, HUMBOLDT COUNTY, NEVADA: EVIDENCE FOR RECLASSIFICATION OF THE ETCHART FORMATION

**Abstract**

**Session No. 5—Booth# 1: 8:00 AM-12:00 PM**
Paleontology/Sedimentology/Stratigraphy (Posters)
Student Union Ballroom

**Authors will be present from 9 to 11 AM**

1. Steve Rowland and Matt Lachniet, Co-Authors (Lael Vetter: Presenting)

   STABLE ISOTOPIC ANALYSES OF TEETH FROM FOUR GENERA OF HERBIVORES FROM THE LATE PLEISTOCENE OF SOUTHERN NEVADA

   **Abstract**

2. Angela Russo, Presenting (Steve Rowland: Co-Author)

   PALEOECOLOGY OF A RANCHOLABREAN COMMUNITY PRESERVED IN FLOODPLAIN DEPOSITS OF MEADOW VALLEY WASH, LINCOLN COUNTY, NEVADA

   **Abstract**

3. Paul Kosmidis, Presenting (Ganqing Jiang, Peter Druschke: Co-Authors)

   THE UNCONFORMITY AT THE BASAL EUREKA QUARTZITE IN NEVADA AND CALIFORNIA: IMPLICATIONS FOR SEA-LEVEL CHANGE AND THE INITIATION OF LATE ORDOVICIAN GLACIATION

   **Abstract**

4. Ganqing Jiang, Presenting (Peter Druschke: Co-Author)

   STROMATOLITES IN THE LATE ORDOVICIAN EUREKA QUARTZITE: IMPLICATIONS FOR MICROBIAL GROWTH AND PRESERVATION IN SILICICLASTIC SETTINGS

   **Abstract**

---

**Session No. 6: 1:30 PM-5:35 PM**
Calvin G. Barnes, Aaron Yoshinobu, Rodney V. Metcalf, and Arthur W. Snoke, Presiding
The Klamath Mountains Province—500 Million Years of Crustal Accretion and Exhumation
Student Union 208A
1. Wendy Barrow, Presenting (Rod Metcalf: Co-Author)
   Presentation Time: 2:35 PM-2:55 PM

PERMIAN EXHUMATION OF A LARGE COHERENT SHEET OF METABASITE AT A PACIFIC-TYPE CONVERGENT MARGIN: CENTRAL METAMORPHIC TERRANE, KLAMATH MOUNTAINS

Abstract

2. Rod Metcalf, Presenting
   Presentation Time: 4:15 PM-4:35 PM

CRUSTAL ACCRETION HISTORY OF THE KLAMATH MOUNTAINS PROVINCE: TRACKING TEMPORAL CHANGES IN MOHO DEPTH (CRUSTAL THICKNESS) USING BASALT TRACE ELEMENT GEOCHEMISTRY

Abstract

Session No. 7--Booth# 0: 1:30 PM-5:40 PM
Michael L. Wells, Carl E. Jacobson, and Andrew Barth, Presiding
Causes and Consequences of Laramide Tectonics in the Forearc, Arc, and Backarc of the Southwestern United States
Student Union 208C

1. Michael Wells, Presenting
   Presentation Time: 4:00 PM-4:20 PM

TECTONIC IMPLICATIONS OF LATE CRETACEOUS EXTENSION AND GRANITE PRODUCTION IN THE MOJAVE DESERT REGION: DELAMINATION OF MANTLE LITHOSPHERE AT THE ONSET OF THE LARAMIDE OROGENY?

Abstract

Session No. 8: 1:30 PM-5:00 PM
Stephen M. Rowland and Aubrey M. Shirk, Presiding
Rancholabrean Paleoecology of Western North America
Student Union 209

1. Josh Bonde, Presenting (Aubrey Shirk, Steve Rowland: Co-Authors)
   Presentation Time: 3:40 PM-4:00 PM

TAPHONOMY OF THE GILCREASE SPRING MOUND PALEONTOLOGICAL SITE, CLARK COUNTY, NEVADA

Abstract
2. Steve Rowland, Co-Author (Elizabeth Glowiak: Presenting)  
Presentation Time: 4:00 PM-4:20 PM

GYPSUM CAVE REVISITED: A FAUNAL AND TAPHONOMIC ANALYSIS OF A RANCHOLABREAN-TO-HOLOCENE FAUNA IN SOUTHERN NEVADA
Abstract

Session No. 9: 1:30 PM-4:30 PM
Adam Simon, Presiding
Mineralization in the Western United States
Student Union 213

1. Jean Cline, Co-Author (Anthony Longo: Presenting)  
Presentation Time: 2:10 PM-2:30 PM

COMPOSITIONAL VARIATIONS IN AU-BEARING PYRITE FROM A CARLIN-TYPE AU DEPOSIT, GETCHELL, NEVADA
Abstract

2. Haroldo Lledo, Presenting (Jean Cline: Co-Author)  
Presentation Time: 3:10 PM-3:30 PM

THE SEARCHLIGHT MINING DISTRICT: LINKING LOW SULFIDATION EPITHERMAL MINERALIZATION WITH AN UNDERLYING GRANITIC PLUTON USING S AND PB ISOTOPES
Abstract

3. Carl Swenberg, Presenting (Aaron Bell, Adam Simon: Co-Authors)  
Presentation Time: 3:50 PM-4:10 PM

EXPLORING THE CHEMICAL BEHAVIOR OF PLATINUM GROUP ELEMENTS
Abstract

4. Seth Page, Presenting (Christina Hughes, Jason Norgan, Mike Nicholl, Adam Simon: Co-Authors)  
Presentation Time: 4:10 PM-4:30 PM

CHARACTERIZATION OF UNSATURATED FLOW IN HEAP LEACH PILES
Abstract

Session No. 11--Booth# 20: 1:30 PM-5:30 PM
Detrital Zircon Studies in Western North America (Posters)
Student Union Ballroom
Authors will be present from 2:30–4:30 PM

1. Andrew Hanson, Presenting

DETRITAL ZIRCON CONSTRAINTS ON THE JEAN CONGLOMERATE AND SEVIER UNROOFING NEAR LAS VEGAS

Abstract

Thursday, 20 March 2008

Session No. 13: 8:00 AM-11:50 AM
Wanda J. Taylor, Craig M. dePolo, Jim Werle, Catherine M. Snelson, and Barbara Luke, Presiding
Seismic Hazards Summit–Southern Nevada Region I
Student Union 208A

1. Wanda Taylor, Co-Author (John Anderson: Presenting)
   Presentation Time: 10:10 AM-10:30 AM

SEISMIC HAZARDS IN SOUTHERN NEVADA: THE GAP BETWEEN THE PRESENT AND A STATE-OF-THE-ART EVALUATION

Abstract

Session No. 14: 8:00 AM-11:30 AM
Terry L. Spell and Eugene Smith, Presiding
Mafic-Silicic Magmatism: Crystallization Histories, Magma Interactions, and Eruption Mechanisms I
Student Union 208C

1. Terry Spell, Presenting (Katie Wooton, Gene Smith, Nicole Nastanski: Co-Authors)
   Presentation Time: 8:25 AM-8:45 AM

THE ROLE OF BASALT IN ERUPTION OF QUATERNARY RHYOLITES NORTH OF THE YELLOWSTONE CALDERA

Abstract

Session No. 17: 1:30 PM-5:10 PM
Wanda J. Taylor, Craig M. dePolo, Jim Werle, Catherine M. Snelson and Barbara Luke, Presiding
Seismic Hazards Summit–Southern Nevada Region II
Student Union 208A
1. Wanda Taylor, Co-Author (Craig dePolo: Presenting)
   Presentation Time: 1:50 PM-2:10 PM

CHARACTERIZING THE EARTHQUAKE POTENTIAL OF THE LAS VEGAS VALLEY FAULT SYSTEM
Abstract

2. Wanda Taylor, Co-Author (Cathy Snelson: Presenting)
   Presentation Time: 2:10 PM-2:30 PM

IMAGING THE LAS VEGAS BASIN: RESULTS FROM SEISMIC REFRACTIONS EXPERIMENTS
Abstract

3. Wanda Taylor, Presenting (Jonathan Carter: Co-Author)
   Presentation Time: 2:30 PM-2:50 PM

DEVELOPMENT OF LAS VEGAS BASIN, NEVADA WITH IMPLICATIONS FOR SEISMIC HAZARDS
Abstract

   Presentation Time: 2:50 PM-3:10 PM

SHEAR WAVE VELOCITY CHARACTERIZATION TO ADDRESS IMPACTS OF SHALLOW SEDIMENTS ON GROUND SHAKING FOR LAS VEGAS
Abstract

5. Tricia Evans, Presenting (Wanda Taylor: Co-Author)
   Presentation Time: 4:10 PM-4:30 PM

NEW LINKAGE OF THE ARROW CANYON RANGE AND WILDCAT WASH FAULTS, SOUTHERN NEVADA: IMPLICATIONS FOR SEISMIC HAZARDS
Abstract

6. Wanda Taylor, Robert Davis, Michelle Stropky, Colin Robins, Co-Authors
   (Sandra Saldana: Presenting)
   Presentation Time: 4:30 PM-4:50 PM

PRELIMINARY PSEUDO 3-D IMAGERY OF THE STATE LINE FAULT, STEWART VALLEY, NEVADA USING SEISMIC REFLECTION DATA
Abstract
Session No. 18: 1:30 PM-4:30 PM  
Terry L. Spell and Eugene Smith, Presiding  
Mafic-Silicic Magmatism: Crystallization Histories, Magma Interactions, and Eruption Mechanisms II  
Student Union 208C

Session No. 19: 1:30 PM-6:00 PM  
John P. Platt, Michael L. Wells, and Thomas D. Hoisch, Presiding  
Driving Mechanisms and Structural Styles of Synconvergent Extension  
Student Union 209

1. Michael Wells, Presenting  
   Presentation Time: 4:35 PM-4:55 PM  
   MULTIPLE TRIGGERS FOR MULTIPLE EPISODES OF SYNCONVERGENT EXTENSION IN THE SEVIER HINTERLAND  
   Abstract

2. Michael Wells, Co-Author (Thomas Hoisch: Presenting)  
   Presentation Time: 4:55 PM-5:15 PM  
   TEXTURAL EVIDENCE FROM GARNET SCHIST FOR A MAJOR SYNCONVERGENT EXHUMATION EVENT IN THE HINTERLAND OF THE SEVIER OROGENIC BELT  
   Abstract

Session No. 20: 1:30 PM-5:15 PM  
Detrital Zircon Studies in Western North America  
Student Union 213

1. Peter Druschke, Presenting (Andrew Hanson, Michael Wells: Co-Authors)  
   Presentation Time: 3:55 PM-4:15 PM  
   DETRITAL ZIRCON PROVENANCE OF CRETACEOUS TO EOCENE STRATA IN THE SEVIER HINTERLAND, CENTRAL NEVADA: IMPLICATIONS FOR TECTONICS AND PALEOGEOGRAPHY  
   Abstract

Session No. 22: 1:30 PM-5:30 PM  
Geoscience Education (Posters)  
Student Union Ballroom

Authors will be present from 2:30–4:30 PM
1. Steve Rowland, Presenting

MAMMOTH TEETH IN THE EARTH SCIENCE CLASSROOM: DEVELOPING SKILLS IN MEASURING, GRAPHING, COLLECTING DATA, AND HYPOTHESIS-TESTING

Abstract

Session No. 25--Booth# 36: 1:30 PM-5:30 PM
Long Distance Transport of Las Vegas: Recent Research Along a Transect with Major Neogene Extension (Posters)
Student Union Ballroom

Authors will be present from 2:30–4:30 PM

1. Tom Muntean, Presenting (Andrew Hanson: Co-Author)

MUDDY CREEK FORMATION: REEVALUATING MISCONCEPTIONS OF LATE MIOCENE TECTONICS AND SEDIMENTATION IN SOUTHERN NEVADA

Abstract

Friday, 21 March 2008

Session No. 29: 8:00 AM-12:00 PM
New Developments in Earth Science Education
Student Union 209

1. Denise Honn, Presenting (Racheal Johnsen, Gene Smith: Co-Authors)
   Presentation Time: 11:00 AM-11:20 AM

DEVELOPING GEOLOGICAL EDUCATIONAL MATERIALS FOR BLM'S SLOAN CANYON NATIONAL CONSERVATION AREA: PRESENTING THE MIOCENE VOLCANIC HISTORY OF THE NORTHERN MCCULLOUGH MOUNTAINS, SOUTHERN NEVADA TO THE PUBLIC

Abstract

Session No. 30--Booth# 1: 8:00 AM-12:00 PM
Igneous/Metamorphic Petrology, and Volcanology (Posters)
Student Union Ballroom

Authors will be present from 9 to 11 AM

1. Kelly Robertson, Presenting (Adam Simon: Co-Author)
COMPOSITIONAL HETEROGENEITY AT MUTNOVSKY VOLCANO, KAMCHATKA, RUSSIA

Abstract

2. Racheal Johnsen, Presenting (Gene Smith: Co-Author)

DOME ERUPTION, COLLAPSE, AND PYROCLASTIC FLOWS OF A MID-MIOCENE VOLCANIC SECTION IN THE CENTRAL MCCULLOUGH RANGE, SOUTHERN NEVADA

Abstract

Session No. 31: 8:00 AM-12:00 PM
Driving Mechanisms and Structural Styles of Synconvergent Extension (Posters)
Student Union Ballroom

Authors will be present from 9 to 11 AM

1. Michael Wells, Co-Author (Sheena Styger: Presenting)

A PRELIMINARY METAMORPHIC PRESSURE-TEMPERATURE PATH FROM THE FUNERAL MOUNTAINS, CALIFORNIA: A RECORD OF THRUSTING AND EXHUMATION IN THE SEVIER OROGEN

Abstract

Session No. 32–Booth# 27: 8:00 AM-12:00 PM
Mineralization in the Western United States (Posters)
Student Union Ballroom

Authors will be present from 9 to 11 AM

1. Jonathan Carter, Presenting (Kelly Robertson, Steve Maglio, Adam Simon: Co-Authors)

STUDYING FLUID INCLUSIONS IN THE LA POPA BASIN, MEXICO AS AN ANALOG TO FLUID MIGRATION IN SEDIMENTS IN THE GULF OF MEXICO

Abstract

2. Greg Zellner, Presenting (Adam Simon: Co-Author)

DESCRIPTION OF GEOLOGY, ORE MINERALOLOGY, AND SOURCE CONSTRAINTS OF MINERALIZING FLUIDS, LITTLE GIANT MINE, YAVAPAI COUNTY, ARIZONA

Abstract
3. Zach Artz, Presenting (Adam Simon: Co-Author)

IGNEOUS GEOCHRONOLOGY AND PETROGRAPHY OF THE CORTEZ HILLS CARLIN-TYPE GOLD DEPOSIT, CORTEZ, NEVADA

Abstract