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AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS ARIZONA SECTION NEWSLETTER

SECTION OFFICERS:

JULIE HAMILTON, CPG-09428
2016 PAST PRESIDENT
AMEC
4600 E WASHINGTON ST.
SUITE 600
PHOENIX, AZ 85034
480-940-2320
Julie.Hamilton@amec.com
CELL: 602-418-3950

RICK SMITH, CPG-09794
2016 PRESIDENT
AECOM
333 E WETMORE ROAD
SUITE 400
TUCSON, AZ 85705
520-887-1800
Rick.Smith@aecom.com
CELL: 520-850-2751

DOUG BARTLETT, CPG-08433
2016 PRESIDENT ELECT
CLEAR CREEK ASSOCIATES
6155 E. INDIAN SCHOOL RD.,
SUITE 200
SCOTTSDALE, AZ 85251
480-659-7131
Dbartlett
@clearcreekassociates.com
CELL: 602-762-0896

TONY DALPIAZ, CPG-08312
2016 SECRETARY
ANTHONY J. DALPIAZ
CONSULTING
1700 E LAKESIDE DRIVE, #48
GILBERT, AZ85234
480-392-0937
tonydalpiazh@hotmail.com

GREG KINSALL, CPG-10643
2016 TREASURER
744 E. WOOD DR.
CHANDLER, AZ 85249
614-579-3330
gkinsall@gmail.com

2016 AIPG Annual Conference Santa Fe, New Mexico

The 53rd Annual AIPG National Conference was held in Santa Fe, NM from September 11-13 and was attended by members of the AIPG section (see picture to right). The conference included field trips to various geologic and cultural sites in the Santa Fe area as well as many interesting talks on various geological topics. Approximately 180 attended the conference. The AIPG Executive Committee held a meeting on Saturday, Sept. 10. Our new Executive Director, Aaron Johnson, participated with President Helen Hickman directing the business of running AIPG and making plans for next year when Adam Heft takes the helm as President. Field trips were held on Sunday to the Valles Caldera and Los Alamos and a trip to the Sandia Mountains just east of Albuquerque. The Arizona contingent attended the Valles Caldera field trip and had a wonderful time. See page 3 for a description of our trip.

Doug Bartlett, President-elect of the Arizona Section, was honored to receive the Presidential Certificate of Merit Award from AIPG President Helen Hickman. Doug chaired the Executive Director Search Committee that worked for nearly a year to select Aaron Johnson as our replacement to long time Executive Director, Bill Siok. Aaron was a solid choice and we look forward to working with Aaron to further the mission of AIPG both in Arizona and nationally.



AIPG AZ Section Members standing between mock-ups of the two atomic bombs dropped on Japan in WWII, Los Alamos, NM



Doug Bartlett (AZ Section President-Elect) receiving the Presidential Certificate of Merit Award

Mark Your Calendars!

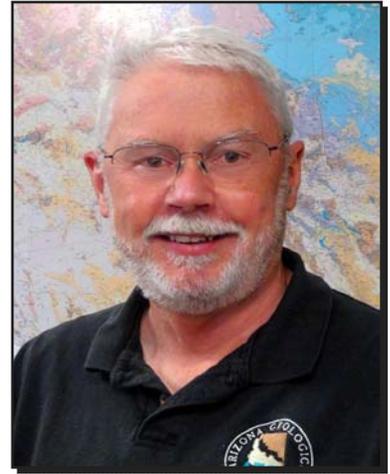
A Celebration of the Life of Lee Allison

November 19, 2016

Tohono Chul Park: 7366 N. Paseo del Norte, Tucson
Afternoon Field Trip to the Catalina Mtns followed by a Dinner
Talk

Attendance is FREE!

Please RSVP to Kristi Sagar (ksagar@clearcreekassociates.com)



Field Trip: Debris Flow Hazards in the Santa Catalina Mtns.

Day / Time: 19 Nov, 12:30 pm to 5:30 pm

Leaders: Ann Youberg and Phil Pearthree of the Arizona Geological Survey

Transportation: TBD

Field trip guide provided gratis by Arizona Geological Survey

Cost: \$0



Evening event: Celebrating the life of Lee Allison @ Tohono Chul Park

Day / Time: 19 Nov., 6:00 pm to 10:00 pm

Dinner & drinks provided (Cash bar)

Cost: \$0

AIPG Arizona Section Members Field Trip

Valles Caldera and the Los Alamos Science Museum

The primary purpose of the field trip was to examine the tectonic setting, volcanology and some geothermal springs of the c.a. 1.25 Myr Valles Caldera. Valles caldera is one of the younger eruptions of the much larger Jemez Mountains volcanic field that lies along the Rio Grande Rift. The Bandelier Tuff (ash-flow tuff) caps the mesa tops surrounding the caldera. Soda Dam is a group of travertine-depositing, bicarbonate-rich hot springs that are derived from the geothermal system within Valles Caldera. The travertine dam across the Jemez River is about 100 m long and 18 m high. There are presently 15 springs and seeps in this area. After traveling by bus from Santa Fe with several stops to look at outcrops and springs we arrived at the Valle Grande (Big Valley) Visitor Center for lunch. (continued on next page)



Valles Caldera Field Trip (continued)

The 22 km-wide Valles caldera is most famous to geologists as the first recognized resurgent caldera. This model is still widely taught in volcanology courses worldwide. The geologic map of the caldera is the highest selling geologic map that the USGS publishes. From the Visitor Center we traveled to Los Alamos to the Bradbury Science Museum, Birthplace of the Atomic Bomb. The highlights were mock ups of the Fat Man and Little Boy, the first atomic bombs, documentary on the early history of Los Alamos and the development of the atomic bomb, and the personal stories of those who were involved in the Manhattan Project. Los Alamos is still a functioning national laboratory encompassing many scientific and medical fields including geology. From Los Alamos we traveled back to Santa Fe along massive outcrops of the Bandelier Tuff.



AIPG Participants in the Valles Caldera and Los Alamos field trip on Sunday, September 11



Walking on travertine deposited as part of Soda Dam along NM Rd 4 following the Jemez River due south of the Valles Caldera.

AIPG AZ SECTION INITIATES STUDENT ADVISORY COMMITTEE

The AIPG Arizona Section has formed a student advisory committee that will allow our section to become more involved in the academic communities of Arizona. We are ultimately interested in forming student chapters that will promote the geologic profession and provide a link between students and working professional geologists. AIPG nationally has more than 30 student chapters and 3,000 student adjunct members. Students can become student adjunct members at no cost. This is a great way for professionals to mentor the next generation of geologists that will ultimately continue the important work that we do here in Arizona.

The Student Advisory committee will participate in Section Executive Committee meetings, assist with the planning of Section events, recommend activities that would best support students in our state, and communicate what they learn from us to their associates. We hope to organize events with students that can introduce them to professional geologists and prospective employers, offer access to scholarship funds, and provide internship opportunities.

Our advisory members so far include Linda Lassiter and Emily Anderson of Northern Arizona University. We are hoping to add students from ASU and UofA in the coming months. If you know of students that would be interested in joining the advisory committee, please contact anyone on the AZ section Executive Committee.

De-Regulation of Geologists: More to Come!!

The hard work that our section did earlier this year to fight deregulation of geologists resulted in a partial success—we averted complete deregulation, but wound up with a new category labeled “Trained Geologist” that essentially makes registration of geologists optional. We fully expect that Governor Ducey will continue his effort to further remove or degrade licensure of many professions including geologists. We will keep you apprised of what we hear as next year’s legislative session gets closer. Stay tuned as we may ask your support to send emails and make phone calls to our legislative representatives. We may also need geologists to attend hearings at the Capital to support our effort.

We also would like to support the Arizona Geological Survey’s (AZGS) efforts to obtain funding next year. Without additional funding, the AZGS cannot do the important work it has been doing for decades. The Governor and the legislature have done great harm to the State of Arizona through their reduction of support for the AZGS. For instance, priceless volumes of published books, journals, and maps have been given or thrown away as a result of the move of the AZGS offices earlier this year. We cannot tolerate any further loss at the AZGS!



Rick Smith, 2016 AZ Section President: Comments from AIPG National Conference:

The first order of business was the Executive Committee and Advisory Board Meetings held on Saturday, September 10. During the Advisory Board meeting, myself and representatives from 19 AIPG Sections presented reports describing our efforts to promote geology and AIPG.

These meetings provide insight as to the many roles of the geologist in our economy and society, and our successful efforts to educate students and the public on how geological sciences relate to our everyday lives. Try to identify a single manufactured product that is not comprised of something from the earth, or identify a process that does not impact or potentially alter the environment.

That said, the most common and time consuming obstacle facing geologists in all Chapters present at the meeting was related to either registration or deregulation issues. AIPG along with other organizations such as AIG, GSA, and others will continue our efforts to promote the role of geologists at State and Federal levels. The legalities of establishing a National registration for geologists was brought forth and appears to have strong support.

AIPG Arizona Section Fall 2016 News and Events

Fall or Spring meeting in Phoenix proposed: Dinner with a speaker and a social hour. Suggestions for speakers and venues are welcome!

Call for nominations for officers for 2017 was recently sent out. Please respond by Friday October 21, 2016 with any nominees.

Letters and announcements are welcome from our members. Please submit to any executive committee member by email by the end of each month or Tony at rocksforjocks82@gmail.com. We welcome our members participation.

Call for Articles: The Arizona Section of AIPG Newsletter welcomes submission of technical or informational articles for Publication. Articles may be submitted via email to rocksforjocks82@gmail.com.

Thank you,

The Executive Committee

