



Arizona Geological Society Newsletter

AUGUST 2017

August 22, 2017 MEETING

The August meeting will take place at Borderlands Brewery on August 22 at 6 pm. Instead of our usual dinner and speaker format, this meeting will be all about networking and connecting with old and new friends. We hope you will join us.

The event is free. There will be a cash bar (beers brewed onsite, and other beverages including non-alcoholic) but food will be provided by the meeting sponsor, National Exploration. Please register (for free) online so we can get a headcount for food.

When: August 22, 2017, 6:00 PM - 9:00 PM

Where: Borderlands Brewing, 119 East Toole Avenue, Tucson AZ 85701

National
EXPLORATION • WELLS • PUMPS

Thanks to National EWP for sponsoring our August meeting. Learn more about National at <http://nationalewp.com/>

Position Available: AGS Vice President of Programs

After eighteen years as Program Vice President, Bob Kamilli will be stepping aside as the AGS Vice President of Programs. The VP of Programs is an important office in the society. It involves identifying suitable speakers, extending invitations, and being the speaker's primary contact with the AGS. This position requires an individual who has broad personal contacts (or is willing to put the time into making them) within the geologic community. It involves some public speaking and good written and oral communication skills.

The VP of Programs should attend most meetings or find a suitable substitute, if necessary. More information about the position is provided in the AGS Officers' Handbook. It is recommended that any person who is interested in this particular position (or any other society office, for that matter), obtain a copy of the handbook from Don Applebee, David Briggs, Alison Jones or Bob Kamilli. Interested parties are welcome to call Bob Kamilli at 520-749-0302 (home phone) or 520-349-9336 (cell phone) regarding the VP of Programs office, in particular.

If you have been considering putting your skills to use for the benefit of AGS, this could be the job for you. Please contact the nomination committee (headed by Don Applebee — dapplebee@asarco.com) if you are interested.



UASCIENCE

Arizona Geological Survey Update



Earth fissure closes W. Houston Rd, Pinal County. On Monday, 26 July, in the wake of tor-
rential monsoon rains, an earth fissure forced the
closing of W. Houston Rd and damaged a nearby
industrial site just 3 miles southwest of Apache
Junction in Pinal County. According to Joe
Cook, AZGS earth fissure project manager, earth
fissures first appeared in this area in 1976.
Fissuring became increasingly problematic, as
new fissures formed into the mid-1980s. The
event was the result of reactivation of a pre-
existing fissure.

**Figures 1a-b. W. Houston
Road closed due to damage
from earth fissure. Earth
fissure nicely exposed adja-
cent to W. Houston Rd.
Photos by Joe Cook.**



Arizona Mining Review. In late August, we will
reboot the Arizona Mining Review to follow
mining stories in Arizona and the southwestern
U.S. More information to come.

AGU Honors Lee Allison. American Geophysi-
cal Union’s Aug. 2017 EOS newsletter includes a
moving memorial to Dr. M. Lee Allison. Lee was

director of the Arizona Geological Survey and State Geologist from 2005 until his death in Aug. 2016.
https://eos.org/wp-content/uploads/2017/07/August-17_magazine.pdf?x35494 See page 9.

Arizona Mining, Mineral & Natural Resources Education Museum (MMNRE) The Polly Rosenbaum
Building on the Government Mall in Phoenix and all of the former mineral and
mining assets of the Arizona Mining and Mineral Museum – more than 21,000

Continued on next page

objects – were transferred from the AZGS to the University of Arizona’s Research, Discovery and Innovation (RDI) team on 1 July 2017 in accordance with Arizona FY-2018 budget signed by Gov. Doug Ducey. MMNRE curator Catie Carter transferred from the Survey to join UA’s RDI team. AZGS’s staff provided assistance during the museum transfer and we hope to play a role in developing content for the museum in the years ahead.

New Publications and publications newly released online:

Conway, B. 2017, [That sinking feeling](#): State-of-art technology at work on Arizona subsidence finds you are not imaging it. Arizona Geology Blog, 27 July 2017. (Brian Conway manages the Arizona Dept. of Water Management’s InSAR subsidence monitoring program.)

Gootee, B.F., Cook, J.P., Young, J.A. and Pearthree, P.A., 2017, [Subsurface hydrogeologic investigation of the Superstition Vistas Planning Area, Maricopa and Pinal Counties, Arizona](#). Arizona Geological Survey Special Paper 11, 70 p., 2 Map Plates - 1:60,000 scale, 10 appendices, GIS data.

Keith, S.B., [Index of Mining Properties in Pima County, Arizona](#). Arizona Bureau of Geology and Mineral Technology Bulletin 189, 161 p. Released online 2 Aug 2017.

Richard, S.M. (compiler), 2015, [Geologic map of the southwestern part of the Tonto National Forest](#), Gila, Maricopa, Pinal and Yavapai Counties, Arizona. Arizona Geological Survey Digital Geologic Map, DGM-76 & DI-41, map scale 1:130,000. GIS Data released online.

Vuich, J.S. and Wilt, J.C., 1974, [Bibliography of the Geology and Mineral Resources of Arizona 1965-1970](#). Arizona Geological Survey, Bulletin-190, 158 p. Released online in July 2017.

2018 Grand Canyon Geology Raft Trip

Alison Jones is leading a motorized Grand Canyon Geology Raft trip on August 6-13, 2018. The outfitter will be Hatch River Expeditions. We’ll launch from Lee’s Ferry and helicopter out from Whitmore Wash (Mile 188). FMI contact Alison at ajones@clearcreekassociates.com.



EXPANSION

Sample preparation lab in Tucson

ALS can now provide a **faster and more efficient service** to our clients. The laboratory provides:

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FALL FIELD TRIP!

AGS is in the preliminary stages of working on a multi-day field trip to Jerome, AZ in the fall. Stay tuned!

Thanks to our advertisers! If your business is interested in advertising in this newsletter, please contact AGS Secretary Alison Jones (ajones@clearcreekassociates.com) for rates and more information.



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- Claim Staking & Claim Staking Supplies
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Welcome New Members

Rebecca Brand Tomas Grijalva Rodriguez Amanda Maurer Brian Panetta
 Eugene Schmidt Matthew Williams Jarret Yargus

Arizona Geological Society is grateful to Freeport-McMoRan, Inc. for their generous support of our student members! Freeport-McMoRan sponsored student dinners for the 2017 AGS monthly meetings.



2017 AGS MEMBERSHIP APPLICATION OR RENEWAL FORM

YOU CAN RENEW OR SIGN UP as a new member and pay online. Please go to our website, arizonageologicalsociety.org. Or use the form below if you are more comfortable with the old school approach.

Please mail check with membership form to: Arizona Geological Society, PO Box 40952, Tucson, AZ 85717

Dues (check box) 1 year: \$20; 2 years, \$35; 3 years: \$50; full-time student (membership is free)

NEW MEMBER or RENEWAL? (circle one) Date of submittal _____

Name: _____ Position: _____

Company: _____

Mailing Address: _____

Street: _____ City: _____ State: _____ Zip Code: _____

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Fax Number: _____ Cellular Phone: _____

E-mail: _____ Check this box if you do not have an email address

All newsletters will be sent by email. If you do not have an email address, we will mail a hard copy to you, but we cannot guarantee timeliness.

If registered geologist/engineer, indicate registration number and State: _____

Enclosed is a _____ tax-deductible contribution to the J. Harold Courtright or the M. Lee Allison Scholarship Funds.