

## OFFICERS OF THE SOCIETY

### Past President:

Jon Harvey

### President:

David Schiowitz

### President-Elect:

Jeff Geslin

### Treasurer:

Tom Staatz

### Secretary:

Jolin Cordalis

### Newsletter Editors:

Tom Ann Casey  
back up Kim Gerhardt

### Fieldtrip Chair:

Available! Help!

### Website:

Jon Harvey

## OFFICERS OF THE FOUNDATION

### President:

Mary Gillam

### Secretary:

Patti Phillips

### Treasurer:

Ron Brogden

### Directors:

Jim Fassett  
OPEN! Help!

To contact an officer click:  
<https://fourcornersgeologicalsociety.org>



Engineer Mountain 2016: Kim Gerhardt Photo



## Welcome Back!



Let's Start Rocking Together Again Soon!

## The Annual Picnic is ON!

Sunday August 29th at the Junction Creek Campground

Noon to about 4PM or so

Please see the Following Page for Details.



**Please go to this Link and take the Survey.**

It's very important and will give us information  
on how we can move forward with meetings  
this year.

**SURVEY LINK**



Four Corners Geological Society, P.O. Box 1501, Durango, CO 81302  
[www.fourcornersgeologicalsociety.org](http://www.fourcornersgeologicalsociety.org)



# ANNUAL PICNIC!

**DATE:** Sunday, August 29th

**TIME:** Noon to ~4pm.

**LOCATION:** Junction Creek Campground, Day Use Site

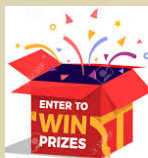
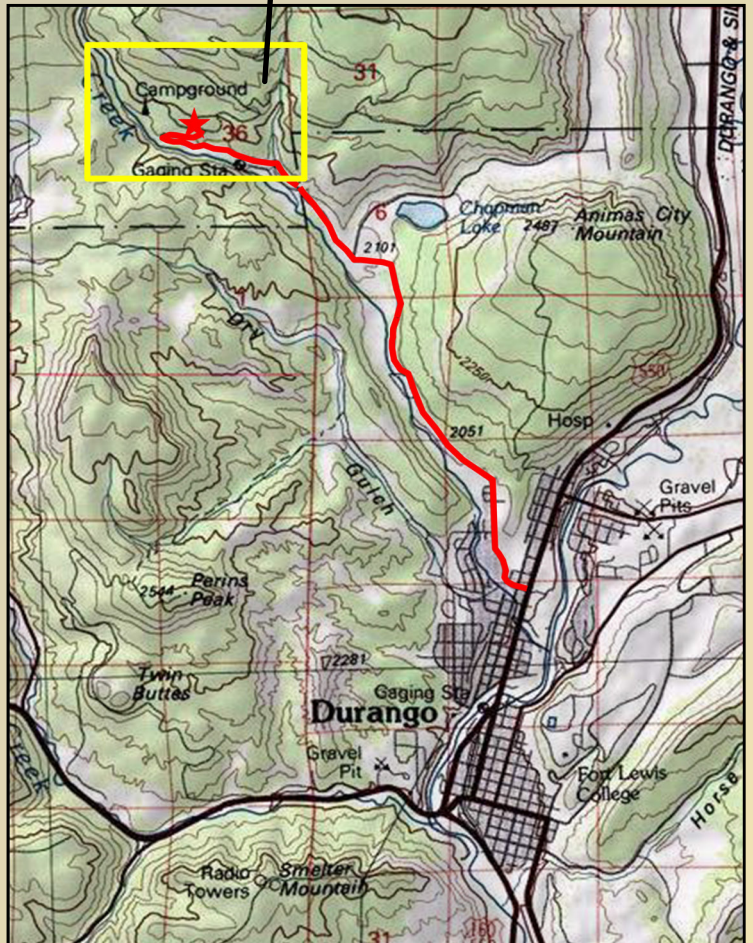
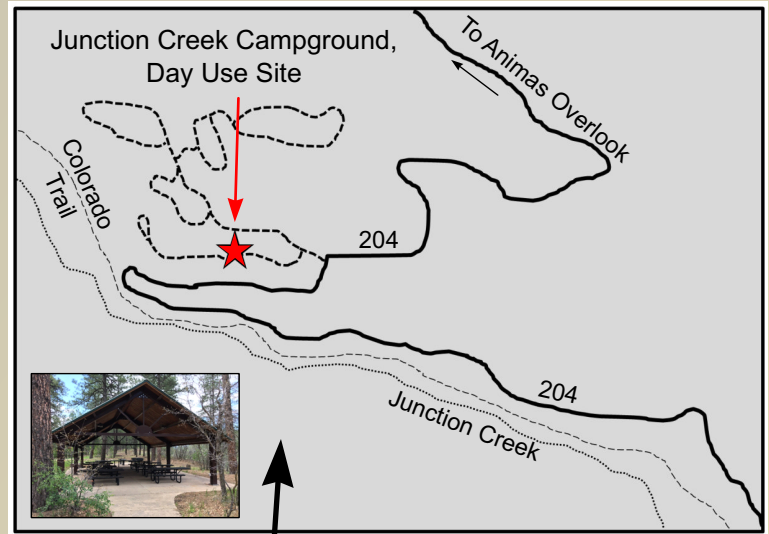
**ACTIVITIES and FOOD:** To celebrate the FCGS is having the Picnic catered. Yay! We will have burgers, veggie burgers, hot dogs and salad. The Society will also provide beer, water, soft drinks and chips. Bring your own chair if you can. There is a covered area at the site. We are taking all possible precautions but request that people social distance and take CoVid seriously as well.

**TOURNAMENT & RAFFLE:** We will hold the Rob Blair Memorial Horseshoe Tournament at the picnic as well as a raffle with great prizes. The entry fee for the horseshoe tournament is \$20 and also get you 4 raffle tickets. Individual raffle tickets are \$5 apiece or 4 for \$20. Proceeds support FLC student attendance at FCGS dinner meetings.

**DIRECTIONS:** Take Camino del Rio north through Durango and turn left (west) on 25th St. (opposite La Plata County Fairgrounds). Proceed 5.5 miles to the Junction Creek Campground. Take first left into day use area.

**RSVP:** The planning is still in progress. PLEASE take the Survey to RSVP and to give us your ideas on how to stay safe:

[\*\*SURVEY LINK HERE\*\*](#)



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## “PREZ SEZ” by David Schiowitz

Welcome to the 2021/2022 season of the Four Corners Geological Society, which marks the 71st anniversary of the Society. The last year and half has been difficult for most everyone and has been especially challenging to maintain an active and robust society remotely. However, we are ready to kick things off with our **Annual End-of-Summer Picnic on August 29th** at the Junction Creek Campground (see previous page for details). This will be our first in-person event since February 2020 and I am excited to see new and old faces. I am honored to help guide our Society through another season of scientific discourse, social interaction, and hopefully a few trips into the outdoors.



In the Executive Committee we have a solid team that has been working hard to get things moving forward. Jeff Geslin (President-Elect) is gathering an excellent slate of speakers for our monthly dinner meetings, scheduled to begin on **September 23rd**. Tom Ann Casey has once again offered up her services for the Newsletter and distributing publications. Tom Staatz (Treasure) is a seasoned vet handling FCGS's finances and Jolin Cordalis (Secretary) is handling our membership list and keeping us on track. Jon Harvey (Past-President) is helping with coordination of events on the Fort Lewis College (FLC) campus and has offered his services for maintaining and updating the FCGS Website. Finally, big thanks to Kim Gerhardt in providing guidance and mentorship to the Executive Committee.

We are gearing up to host meetings on the FLC campus this fall and plan to continue to have a remote Zoom option for those who can't attend or who would prefer to participate from the comfort of their home. More details will be included in the September newsletter. Due to the on-going pandemic, new variants, and changing guidelines/orders from the San Juan Basin Health Department, events, requirements and procedures may change throughout the fall. As of right now, FLC requires all visitors to be vaccinated. FLC has not yet determined if vaccinated folks will need to mask in the fall as well. The FCGS Executive Committee would like to get membership feedback regarding upcoming events and have created a short survey to help understand the direction our society would like to proceed ([Survey Link](#)).

Finally, we are looking for volunteers for the field trip committee. This fall we wish to have a few informal “talks on the rocks”, where members would meet at a local trailhead, hike and discuss the local geology. If you are interested in leading a trip or helping with the logistics please let one us know. Gary Gianinny has offered to start us off with a small vaccinated group to look at depositional facies and bedforms of the Jurassic Entrada and Junction Creek (Bluff) eolian sandstones of the Durango area, Sept. 11th or the 25th (TBD).

Thank you all for renewing your FCGS memberships, and if you haven't yet, please do so! ([Membership Link](#)). I look forward to seeing you soon.

Cheers,

*David*

### **MEMBERSHIP NEWS**

A number of our beloved members have fallen behind and not renewed for 2021-22. Our calendar year is May 31-June 1. If you've received a dues email please pay the 2021-2022 fee and re-join the Society. You don't want to miss the picnic, newsletters, upcoming fall field trips or stimulating lecture series. If you have become an emeritus member (over 65 with 25 years as a member, please let us know. If you do not wish to renew we would appreciate knowing that also, and why.

Click here: <https://fourcornersgeologicalsociety.org/membership/> to pay through the website or print off the form on the last page of the newsletter and mail it in with your check.

**We appreciate your support and look forward to seeing you soon. This is Your Geo Society.**



# SOCIETY NEWS

## SAVE THE DATE!

- Sept. 23: Dr. Carolyn Tewksbury-Christle (FLC, new geology faculty)  
Subduction zones and ophiolites
- Oct. 21: Either Dr. Peter Vrolijk (Denver): Autonomous data collection and fault dating in Costa Rica, or  
Dr. Jeff Geslin: Eocene basin evolution and depositional systems in Spain
- Nov. 18: Dr. Joel Pederson (Utah State University): Landscape evolution in the Book Cliffs of Utah
- Dec. 9: Dr. Ron Hill (EOG Chief Geoscientist): Unconventional petroleum systems in the Western US

## ROCK WALK

### **“Rock Walk” (1/2 - 1 day fieldtrip)**

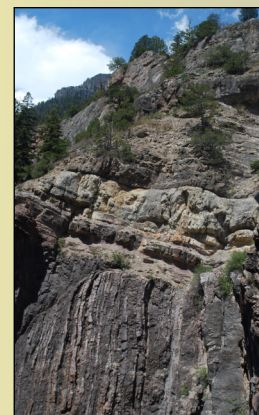
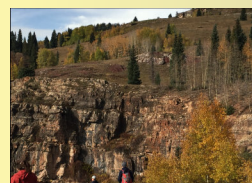
Dr. Gary Gianinny starts us off with a small vaccinated group (max 15) to look at depositional facies and bedforms of the Jurassic Entrada and Junction Creek (Bluff) eolian sandstones of the Durango area. It will be either Sept. 11th or Sept. 25th (TBD). Watch for updates in your email, newsletter or on our website.



## **The Field Trip Committee recruited during the fall of 2017 brought you:**

- *The Geology of the Durango Area.* April 14, 2018
- *Upper San Juan Float Trip.* June 5-7, 2018.
- *Hike Sand Canyon with the FCGS.* October 20, 2018.
- *Fruitland Methane Seeps and Hydrology of the Durango Area.* May 11, 2019.
- *Geology of the Ouray Area.* June 1-2, 2019.
- *Hike/Train Combo at Peak Leaves: Molas Pass to Elk Park to Town.* October 5, 2019.
- *Geology & Minerals of the Harding Pegmatite Mine, Dixon N.M.* April 2020: Cancelled
- *Stratigraphy & Sedimentology of the Aeolian Cedar Mesa Sandstone* May, 2020: Cancelled

**New Field Trip Committee members & Ideas are needed. Let's get out on the rocks! Contact David Schiowitz: [Link to David here](#)**



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# SOCIETY NEWS

## Meet the New FCGS 2021-22 Officers



**Dave Schiowitz: President**



**Jeff Geslin: President Elect**

Dr. Jeffrey Geslin is a geological & geophysical consultant and educator. He received his Ph.D from the University of California LA in 1993, and MS and BA degrees from Idaho State University and the University of Northern Colorado. After post-doctoral research with the USGS and ISU he joined ExxonMobil in 1998, working broadly across the upstream, from research to exploration and production, in numerous locations globally, including SE Asia, Africa, Canada, and Russia. His most recent position was as their Senior Technical Consultant in Stratigraphy. He retired from ExxonMobil in late 2018. He now owns Pictured Cliffs Geoscience LLC, and is an Adjunct Professor of Geology at FLC. His interests include petroleum geology, sequence stratigraphic evaluation of clastic strata, applied geophysics and teaching, advising and mentoring geoscientists.

**FEATURED THIS  
MONTH:  
OUR NEW VP!**



**Jolin Cordalis: Secretary**



**Tom Staatz: Treasurer**



**Tom Ann Casey:  
Newsletter & Books**



**Jon Harvey: Past President**



**Kim Gerhardt: Newsletter  
and source of great wisdom &  
humor**

## AROUND THE REGION: GEO NEWS

### Contract Economic Geology Job Opening for QP

Altair Resources is looking for a Qualified Person (QP; under Canadian National Instrument 43-101) to look at two gold mines in Kazakhstan and prepare a NI 43-101 technical report, based on a site visit and a review of a previous JORC report. Any interested QPs can send their resumes directly to [denelmining@gmail.com](mailto:denelmining@gmail.com) . Needed ASAP.

Note: You need to be a CPG to be considered to be a QP for this purpose.

### End of Summer Networking Event

September 1, 2021; 4 pm-7 pm (MDT); Sloan's Lake Park, Denver, CO

Hosted by Rockies Members in Transition

To RSVP, go to <https://www.rmag.org/index.php?src=events&srctype=detail&refno=185&category=Social%20Events>



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# SOCIETY NEWS

## Meet the FCGS 2021-22 Foundation



**Mary Gillam: President**



**Jim Fassett,  
Director**



**Ron Brogdon: Treasurer**

Born/raised in Southern California.  
B. A. Geology Harvard University  
M. S. Geology Texas A&M University  
Retired to Durango after 28 years as a petroleum geologist with BP/Amoco.  
Currently working a retirement job with the Durango 9R School District.  
Taught Geol-113 (Intro Geology) at Fort Lewis College, Spring semester 2021.  
Married to my wife Sue for 29 years.  
We have two grown daughters both living in Bozeman Montana.  
I love fly fishing, and sometimes I catch fish.

**FEATURED THIS  
MONTH:  
Foundation Treasurer**



**Patti Phillips: Secretary**

Missing Photo: Watch for Profile next month

The Four Corners Geological Foundation is exploring new ways to support geoscience education and research however one tradition lives on. In May, three grants were awarded in our longstanding program to support master's degree students doing research in this region. Congratulations again to our three MS Thesis Grant winners this year, Hannah Cothren and April Phinney at Utah State University and Haley Thorson at Colorado School of Mines. Details about their research appeared in the May newsletter.

The Foundation is seeking a volunteer for an open Director Position. Contact Mary Gillam if you are interested.

**Donations are gratefully accepted to support the scholarship program.** Until a website link to the new Foundation account is up, please send a check to "Four Corners Geological Foundation" and mail it to: F.C.G.S. / P.O. Box 1501 / Durango / CO 81302.

**THANK YOU VERY MUCH FOR YOUR SUPPORT!**

## AROUND THE REGION: GEO NEWS CONTINUED

### Geothermal 101: AAPG/BEG Geosciences Technology Workshop 10 September 2021; Austin, Texas (In-Person Event)

Co-sponsored by the American Association of Petroleum Geologists (AAPG) and Bureau of Economic Geology (BEG), this one-day Geosciences Technology Workshop (GTW) will be taking place in person at the Bureau of Economic Geology in Austin, Texas. The workshop is an introduction to geothermal resources and energy, and will provide a foundation for participants to subsequently deep-dive into any specific areas of interest within the field of geothermal energy. The concepts and political and legal aspects of geothermal energy will be covered in the workshop. Participants are assumed to have a basic overview knowledge of geology, science, math, and engineering. To get more info or to register, go to <https://www.aapg.org/career/training/in-person/workshops/workshop-details/articleid/61054/geothermal-101>



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# FOUR CORNERS GEOLOGICAL SOCIETY

P.O. Box 1501, Durango, CO 81302

**MEMBERSHIP RENEWAL or APPLICATION: June 1, 2021 to May 31, 2022**



\*Name: \_\_\_\_\_

\*Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

\*Email: \_\_\_\_\_ Phone: \_\_\_\_\_

\*Employer: \_\_\_\_\_

## Please Identify a Membership Category:

|                         |      |  |
|-------------------------|------|--|
| <b>Active Member</b>    | \$25 | Any person engaged in the practice or teaching of geology or who holds a Bachelor's Degree in geological science from a college of acceptable academic standards. Degree requirement may be waived if applicant has adequate professional experience.<br><i>*Highest Degree, Type and Year:</i> _____<br><i>*College / University:</i> _____ |
| <b>Associate Member</b> | \$25 | Any person who is a graduate of a college of acceptable academic standards with major studies related to, or associated with, geology. Degree requirement may be waived if applicant has adequate professional experience.<br><i>*Highest Degree, Type and Year:</i> _____<br><i>*College / University:</i> _____                            |
| <b>Student Member</b>   | Free | Any undergraduate or graduate student majoring in geology at a college of acceptable academic standards.<br><i>*College / University:</i> _____<br><i>*Year expected to graduate:</i> _____  |
| <b>Emeritus Member</b>  | Free | An Active Member of 65 years old or older who has been a member for 25 years including time spent in military service.<br><i>*Year emeritus status was awarded:</i> _____  |
| <b>Honorary Member</b>  | Free | An Active Member who has contributed distinguished service to the profession of geology and to the betterment of the FCGS. Determination is made by the FCGS Executive Committee.<br><i>*Year honorarium was awarded:</i> _____.   |

**Other Professional Interests:**

*\* Required information for new members. Current Members, please update.*

**Please either print, complete and return this form with your check for dues made payable to: "Four Corners Geological Society" and mail to the address above or go online to [fourcornersgeologicalsociety.org](http://fourcornersgeologicalsociety.org).**

**Please donate to the Foundation to support student research.** Make out your check to: "Four Corners Geological Foundation" and include it in the envelope with your dues.

## \*Please check your interests:

- ☐ Sedimentology & stratigraphy
- ☐ Structure & tectonics
- ☐ Mineralogy, petrology, geochemistry
- ☐ Igneous geology, volcanology
- ☐ Ore geology and hard rock mining
- ☐ Other mineral extraction
- ☐ Petroleum geology
- ☐ Geophysics
- ☐ Geological engineering
- ☐ Geomorphology
- ☐ Quaternary geology
- ☐ Hydrology & water resources
- ☐ Environmental geology
- ☐ Geography / GIS
- ☐ Other interest (see box)