

ALASKA GEOLOGY

Newsletter of the
Alaska Geological Society



Radon Education in Geographically Challenging and Geologically Dynamic Alaska

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January is National Radon Action Month and coming up fast! It's a great time to think about protecting yourself and your family from this naturally occurring, radioactive, cancer-causing gas and remind others to take action as well. It's common and natural to feel that situations affecting our health are out of our personal control. Radon, however, is one hazard we don't have to live with. Simple and inexpensive tests can identify radon in your home, and most homes can be mitigated to ensure radon cannot enter. This presentation will include general information about radon and then focus on radon education and outreach in Alaska, which is challenging because of Alaska's geography, climate, remote areas, and complex and dynamic geology. Earthquakes, climate change, and related hazards are particularly relevant in this context. Alaska's radon program offers free radon test kits and information about the hazard; sign up for a free test kit at <https://forms.gle/HRZ5wsGgjHnQiAEYA>.

About the Speaker:

Jen Athey manages Alaska's radon program. She is a geologist and Geoscience Information Manager for DGGs. Jen has more than 25 years of experience in project management, databases, GIS, geologic mapping, and mineral exploration, with recent emphasis on environmental geology: radon, groundwater quality, and naturally occurring asbestos.



AGS Meeting

Date & Time:	Thursday, December 15; Doors open 11:30 am, announcements 11:45 am, talk 12:00 – 1:00 pm
Program:	Radon education in geographically challenging and geologically dynamic Alaska
Speaker:	Jennifer Athey, Alaska Division of Geological and Geophysical Surveys, Fairbanks, AK
Place:	Hybrid online & virtual presentation at the Energy Center; 1014 Energy Court, Anchorage, AK
Reservations:	Reservations are not required
Login:	For instructions on how to log in see AGS website: http://www.alaskageology.org/events.html
How to Join:	Join with Google Meet: meet.google.com/uwh-ecyb-qmc or join by phone: (US) +1 240-428-8759 PIN: 274 675 962#

Pathfinders in Alaska Geology Wall of Fame

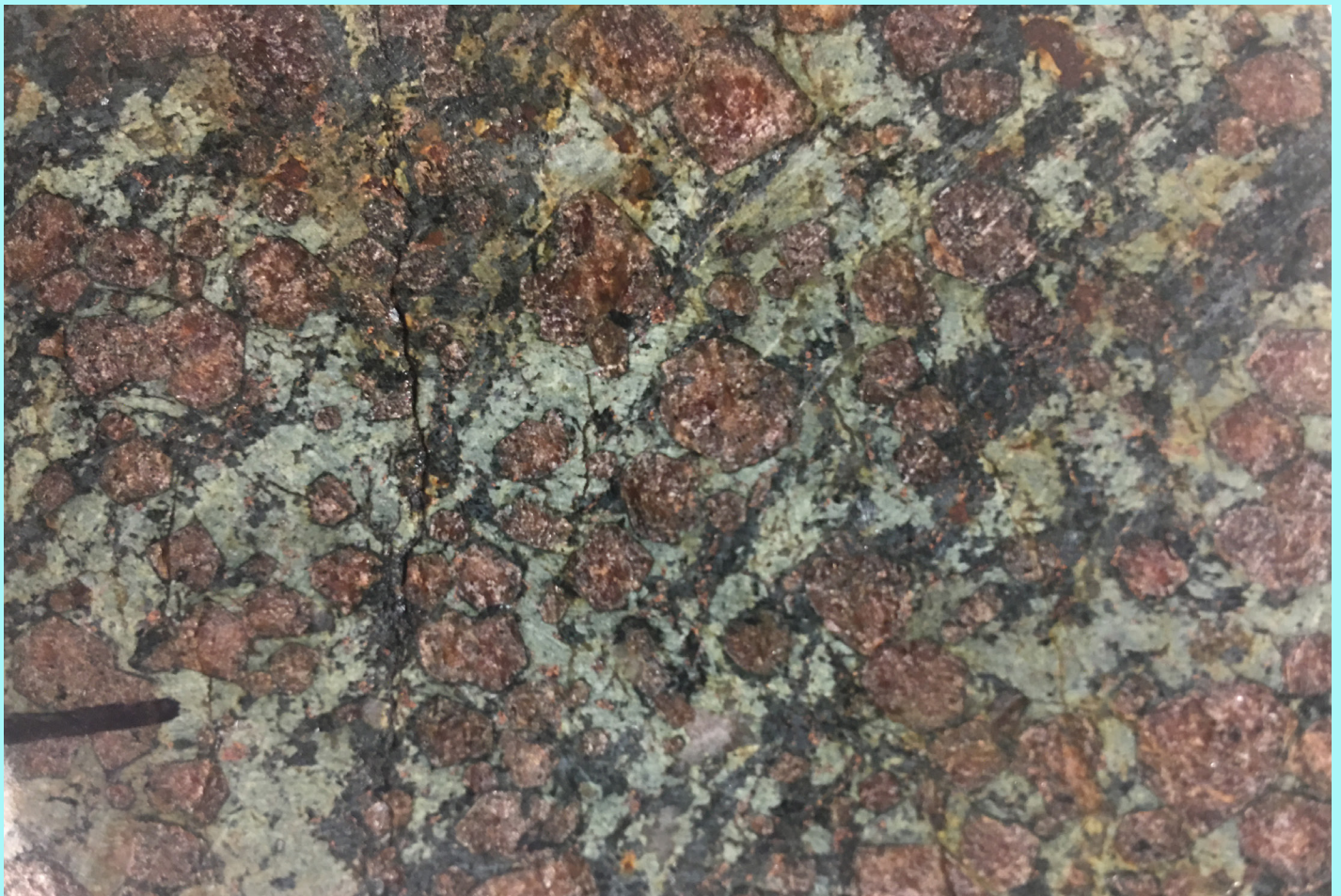
The geology of Alaska is exceptionally diverse and complicated. Mapping and understanding Alaska geology are further challenged by remoteness, rugged terrain, severe weather and limited infrastructure. A Pathfinders in Alaska Geology award has been established to recognize outstanding geoscientists that have risen above these difficulties and contributed significantly to synthesizing and understanding the geology, hazards, and resources of the state. These geoscientists will be honored with a photograph and citation on the Alaska Geological Society website and on a dedicated wall in the Geologic Materials Center in Anchorage, Alaska.

In their December meeting, the AGS Board of Directors voted to form new committee within the Alaska Geological Society to administer the Pathfinders in Alaska Geology program. Tom Homza has generously volunteered to chair the committee and help launch the program. Watch for a new menu tab on the AGS website this spring. A more detailed explanation and description of the program will be posted on the new webpage, along with a Pathfinders nomination form, which all are welcome to download, fill out, and submit. Criteria and instructions for nomination are included in the form. Pathfinder awards will be announced each year at the AGS Technical Conference.

The Alaska Geological Society is a 501c3 organization; any contributions to the Pathfinders in Alaska Geology program are tax deductible and most appreciated.

My Pet Rock

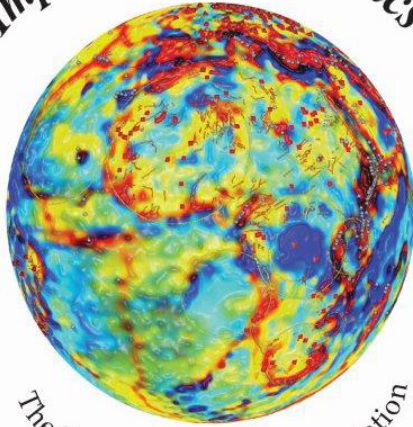
David J. Szumigala
Alaska Division of Geological & Geophysical Surveys



Rock consisting of 50% garnet (red), 40% clinopyroxene (green), and 10% hornblende (black). Collected near the South Fork of the Goodpaster River in 2022 during geologic mapping as part of the DGGs EarthMRI Tancross project.

Send me a photo of your pet rock at: helmold@alaskan.com

Impact Crater Tectonics

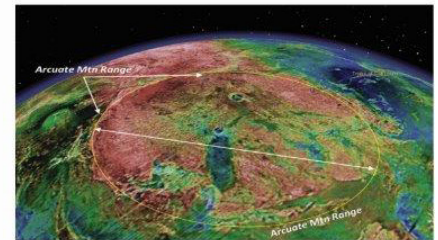


The Future of Resource Exploration

David Buthman

Impact Crater Tectonics provides a universal geologic framework for the prediction of Earth's mineral resources. Based on sound scientific, mathematic, and geologic principles, the demonstrated relationships between impact craters and mineral resources consecrates an imminent paradigm shift for interpreting the tectonic evolution of Earth, particularly for Alaska.

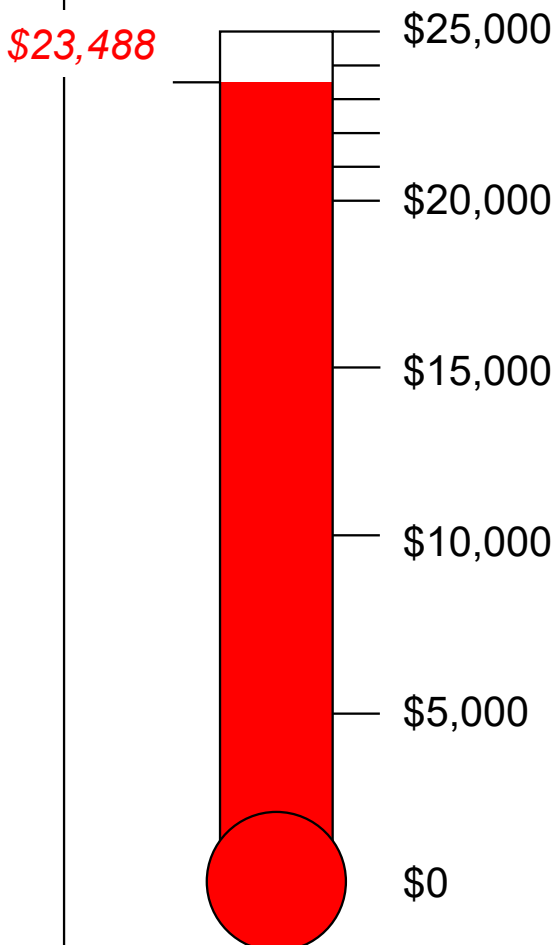
Full-color, 297-page, 8.5" x 11" perfect-bound book, with over 200 photos, graphs, and illustrations. Available on Amazon, or signed copy from author at ImpactCraterStudies.org.



Gil Mull Scholarship

PLEASE HELP!

We're nearly there!



In memory of Gil Mull (1935-2021), family and friends are raising funds for the *Charles Gilbert Mull Field Camp Scholarship* for geology students at the University of Alaska Fairbanks. The scholarship will allow students to attend a geology field course of their choice.

GOAL: Build a minimum endowment of \$25,000, which will provide a UAF scholarship in perpetuity

DONATIONS:

You may contribute online here:

<https://engage.alaska.edu/>

Select designation "Other", and write in: *Charles Gilbert Mull Field Camp Scholarship* and complete the form.

For contribution by mail, please note the *Charles Gilbert Mull Field Camp Scholarship* in your correspondence, and address to:

University of Alaska Foundation
 Attn: Fund and Gift Services
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Please contact Prof. Michael Whalen with any questions (mtwhalen@alaska.edu)



Alaska Geological Society



SEEKING DONATIONS FOR AGS SCHOLARSHIP FUNDS

This is a challenging year for students at all levels, and geoscience students in the universities need our support more than ever. When you pay your membership dues this year, please consider a contribution to an AGS scholarship fund. You can also contribute to AGS scholarships through Pick, Click, Give when you apply for your Alaska Permanent Fund Dividend. **AGS is a 501c3 nonprofit organization and all contributions are tax deductible.**

The Alaska Geological Society offers scholarship awards
to graduate and undergraduate students
who are conducting geoscience research projects in Alaska

including

Alaska Geological Society Scholarships

The Don Richter Memorial Scholarship



Scholarship information and applications are available online at
www.alaskageology.org

The Alaska Geological Society, Inc.

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The Alaska Geological Society, Inc.
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<http://www.alaskageology.org>

The Alaska Geological Society is an organization which seeks to promote interest in and understanding of Geology and the related Earth Sciences, and to provide a common organization for those individuals interested in geology and the related earth sciences.

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MEMBERSHIP INFORMATION

AGS annual memberships expire November 1. The annual membership fee is \$25/year (\$5 for students). Lifetime membership is \$250. You may download a membership application from the AGS website and return it at a luncheon meeting, or mail it to the address above.

Contact membership coordinator Kirk Sherwood with changes or updates (e-mail: membership@alaskageology.org; phone: 907-240-2546)

All AGS publications are now available for on-line purchase on our website. Complete catalogue at: <http://www.alaskageology.org/publications1.html>

ADVERTISING RATES

Advertisements may be purchased at the following rate: \$200 for 9 monthly issues (September - May) of AGS newsletter (any size up to full page) and companion ad on AGS website for full year (beginning each September).

Contact Jennifer Crews at jennifer.r.crews@conocophillips.com to place ad.

Pick.Click.Give.

It's PFD Application Time!

Did you know that you can support the society through Pick.Click.Give? When you fill out your PFD application, just select Alaska Geological Society, Inc. in the list of non-profits and you can help AGS to promote the uniqueness of Alaskan Geology and provide for education, geologic research, and networking to all who are interested as well as provide scholarships to students across a wide range of geologic topics.

<https://www.pickclickgive.org/index.cfm/pfdorgs.info/Alaska-Geological-Society-Inc>

- From the PFD home page <http://pfd.alaska.gov/Application>, select the green "Add or Change Your Pick.Click.Give. Donation" button
- You can change/add your donation at any time throughout 2021



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Alaska Geological Calendar of Events



Date	Time	Organization	Event	Location
Jan 2023; Date to be determined	11:45 am	AGS	Speaker to be determined	Hybrid: Google Meet & BP Energy Center
Feb 2023; Date to be determined	11:45 am	AGS	Speaker to be determined	Hybrid: Google Meet & BP Energy Center
Mar. 2023; Date to be determined	11:45 am	AGS	Speaker to be determined	Hybrid: Google Meet & BP Energy Center

AMA: Alaska Miners Association; **AGS:** Alaska Geological Society; **GSA:** Geophysical Society of Alaska

AAEP: Alaska Association of Environmental Professionals; **SPE** Society of Petroleum Engineers;

UAA University of Alaska Anchorage.

Membership Note

Membership renewal is November 1; annual dues are:

Full member - \$25

Student member - \$5

Lifetime membership - \$250



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