Washington Awaits Annual Meeting Attendees!


Join us in Seattle
October 22-25, 2017
http://community.geosociety.org/gsa2017/home
Officers – 6 Members, three of whom serve one-year terms: Chair, First Vice-Chair, and Second Vice-Chair; and three of whom serve two-year terms: Secretary, Treasurer, and Newsletter Editor/Webmaster.

Management Board – 9 Members: Division officers and the Chair of the preceding year; also includes the Historian and the Student Representative.

Chair: Glenn Thackray
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Past Chair: Anne Chin
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PANEL MEMBERS
2015-2017 Panel
Amanda Keen-Zebert
Jeff Munroe
Stephanie Day

2016-2018 Panel
Stephanie Shepherd
Mark Sweeney
Karl Wegmann

GSA Councilor Liaison – Frank Pazzaglia
QG&G Division Liaison – Dominique Olvera
(Both appointed by the GSA President)
Message from the Chair

September rolls in, and the thoughts of the QG&G naturally are turning to the Annual Meeting, which is looking like a great meeting to match its beautiful setting in downtown Seattle. Tammy Rittenour and I filled the QG&G roles in the very involved program committee process in August. As noted in previous newsletters, there are 20-plus QG&G-sponsored sessions, as well as many others on QG&G-related topics sponsored by other divisions. At one point, we counted nearly 500 abstracts submitted to QG&G sessions alone. Given the setting of the meeting in the active landscape of western Washington, there are naturally many relevant field trips on offer, and registration is still open for some of those. So do come to the Seattle meeting if at all possible. You’ll be spoiled for choice on science as well as on the fine food, beverages, and coffee that Seattle has to offer.

The QG&G board and panel have also been busy determining winners of QG&G student and professional awards. As usual, we will honor the awardees, conduct a bit of division business, and have a fun social event at the QG&G awards ceremony on Tuesday evening, October 24. If you attend the Seattle meeting, the QG&G evening is not to be missed, especially since Treasurer Scott Burns will fulfill his typical role in lining up stellar food and refreshments.

We don’t want to look too far ahead, but there is a fine lineup of section meetings coming together for the spring, and the 2018 Annual Meeting will be held in Indianapolis. As usual, the field trip proposal deadline comes fast on the heels of this year’s Annual Meeting, so if you are working in the upper Midwest and have field trip proposal ideas please move them along. Often, divisions sponsorship gets lost in the approach of that early deadline, but please keep QG&G sponsorship in mind in the proposal process, as it helps us advertise your trip and helps attendees find it in the listings.

For now, enjoy the fall, and thanks as always for making the QG&G such a fine division.

Glenn Thackray
Chair, Quaternary Geology and Geomorphology Division

2017-2018 Election Results

Quaternary Geology and Geomorphology Division officers and panel members were elected this summer, and they will take office at the 2017 Annual Meeting in Seattle. The 2017 QG&G board meeting will take place October 22, 7-9 pm in the Sheraton Seattle Hotel, Issaquah. Congratulations to these incoming board members and panelists:

Chair......................................Tammy Rittenour
First Vice Chair........................... Grant Meyer
Second Vice Chair................... M-C (Missy) Eppes
Treasurer...................................... Scott Burns
Newsletter Editor/Webmaster...... Anne Jefferson

2017-2019 Panel
Greg Balco
Karen Gran
Joanna Redwine

Appointments
Historian.................................Thom Davis
Student Representative......Sarah Crump
QG&G Members Elected GSA Fellows in 2017

Kathy J. Licht
Carrie Ann Masiello
Joseph D. Ortiz
Janet L. Slate
Scott D. Stanford
Robert S. Thompson
Todd A. Thompson
Cathy L. Whitlock

QG&G Annual Awards Presentation

Tuesday, 24 October 2017, 7:00-11:00 PM
Washington State Convention Center, Ballroom 6C


Distinguished Career Award: David Dethier, Williams College

Farouk El-Baz Award: Haim Tsoar, Ben-Gurion University of the Negev, emeritus

Gladys W. Cole Memorial Research Grant from GSA: not awarded in 2017

J. Hoover Mackin (PhD) Award: Sarah Crump, University of Colorado-Boulder, for her proposal Arctic ecosystems in a warmer world: Reconstructing past vegetation and climate using ancient DNA and paleothermometry on Baffin Island, Arctic. Advisor: Gifford Miller.

Arthur D. Howard (MS) Award: Alexandra Balter, University of Maine, for her proposal Potential direct geologic constraint of ice sheet thickness in the central Transantarctic Mountains during the Pliocene warm period. Advisor: Gordon Bromley.

Marie Morisawa Award (for promising female graduate student): Elizabeth Olson, Northern Illinois University, for her proposal Holocene climate change in the Atacama Desert reconstructed from the stable isotopic composition of Prosopis tamarugo tree-rings. Advisor: Justin Dodd.

Peter J Birkeland Award (for soil geomorphology): Catherine Opalka, University of North Carolina-Charlotte, for her proposal Soils and stratigraphy of tributary alluvial fans in the Uwharrie National Forest, NC, USA. Advisor: Martha C. Eppes.

Robert K. Fahnestock Memorial Award from GSA: Hima Hassenruck-Gudipati, The University of Texas at Austin, for her proposal Advection Sediment Transport signatures on Levees Advisor: David Mohrig

John A Black Award from GSA: Paul Russell, The Ohio State University, for his proposal Stratigraphic Record of Virgin Island Tsunamis Advisor: Derek E. Sawyer
GSA Annual Meeting
-- Guide to QG&G Events --

Award Lectures

Kirk Bryan Award Lecture; L. McFadden
Soil geomorphological research in aridlands: there might be a little dust on the bottle – it's one of those things that gets sweeter with time
Oral Presentation: Tuesday, 24 October 2017, 8:00AM; The Conference Center Chelan 2
In session: 212. How, and Under What Conditions, Does Weathering Influence Surface Processes?

QG&G Distinguished Career Award Lecture; D. Dethier
Eroding the Southern Rocky Mountains – Weathering and Fluid Flow in Slow Motion in the Critical Zone
In session: 111. Quantifying Geomorphic Processes and Rates of Landscape Evolution

Farouk El-Baz Award for Desert Research Lecture; H. Tsoar
Eco-geomorphic processes acting on desert sand dunes
Oral Presentation: Sunday, 22 October 2017, 8:05AM, The Conference Center Chelan 2
In session: 24. The Aeolian Realm: Dunes, Dust, and Loess

Awards Presentation

Tuesday, 24 October 2017, 7:00-11:00 PM, Washington State Convention Center, Ballroom 6C

Pardee Sessions

P2. Landscapes in the Anthropocene
Oral Session 92: Monday, 23 October 2017: 8:00 AM - 12:00 PM, Ballroom 6A
Oral Session 125: Monday, 23 October 2017: 1:30 PM - 5:10 PM, Ballroom 6A

P4. Speed Dating!: Advice on Sampling and Applications Through the Lens of the Geochronologist
Poster Session 219: Tuesday, 24 October: 9:00 AM - 6:30 PM, Halls 4EF

Discipline Sessions

D39. Surface Processes and Geomorphic Evolution, from the Coastlines to the Glaciers
Poster Session 72: Sunday, 22 October 2017: 9:00 AM - 5:30 PM, Halls 4EF

Topical Sessions

T172. A Call to Arms: Applying Quaternary Science in the 21st Century
Oral Session 109: Monday, 23 October 2017: 8:00 AM - 12:00 PM, Chelan 5

T173. Change Detection Photogrammetry in Earth Science
Oral Session 316: Wednesday, 25 October 2017: 8:00 AM - 12:00 PM, Chelan 4
Poster Session 382: Wednesday, 25 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T174. Cordilleran Ice Sheet Outburst Floods: From Glacial Lake Missoula to the Hubbard Glacier
Oral Session 22: Sunday, 22 October 2017: 8:00 AM - 12:00 PM, Chelan 5
T175. Earthquakes, Faults, and Fault Systems in the Pacific Northwest
Oral Session 210: Tuesday, 24 October 2017: 8:00 AM - 11:35 AM, Chelan 4
Poster Session 281: Tuesday, 24 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T176. Glacier-Landscape Interactions, Loess Paleoclimatology, and Interdisciplinary Quaternary Science I: In Memory of Stephen C. Porter
Oral Session 110: Monday, 23 October 2017: 8:00 AM - 11:40 AM, Chelan 4
Oral Session 142: Monday, 23 October 2017: 1:30 PM - 5:15 PM, Chelan 4
Poster Session 282: Tuesday, 24 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T177. Ice Streams of North American Ice Sheets and Their Stratigraphic and Sedimentary Record
Oral Session 143: Monday, 23 October 2017: 1:30 PM - 5:00 PM, Chelan 2
Poster Session 283: Tuesday, 24 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T179. New Concepts in Glaciation of the Western Cordillera of North America
Oral Session 317: Wednesday, 25 October 2017: 8:00 AM - 12:00 PM, Chelan 2
Poster Session 383: Wednesday, 25 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T181. The Geological Signature of Natural Hazard Events
Oral Session 211: Tuesday, 24 October 2017: 8:00 AM - 12:00 PM, Chelan 5
Oral Session 241: Tuesday, 24 October 2017: 1:30 PM - 5:00 PM, Chelan 5
Poster Session 384: Wednesday, 25 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T183. Advances and Challenges in Quantifying Sediment Budgets for River Systems
Oral Session 339: Wednesday, 25 October 2017: 1:30 PM - 5:30 PM, Chelan 4
Poster Session 356: Wednesday, 25 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T184. Geologic Research at Mount Rainier and Other Cascade Volcanoes: Ideal Natural Laboratories for Cutting-Edge Research with Implications to Life Safety and Infrastructure Protection in the Pacific Northwest
Oral Session 23: Sunday, 22 October 2017: 8:00 AM - 11:40 AM, Chelan 4
Oral Session 50: Sunday, 22 October 2017: 1:30 PM - 5:00 PM, Chelan 4
Poster Session 158: Monday, 23 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T185. Geomorphology of Human-Altered Landscapes
Oral Session 144: Monday, 23 October 2017: 1:30 PM - 5:15 PM, Chelan 5
Poster Session 257: Tuesday, 24 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T186. Heterogeneity in Landscape Evolution: Geomorphic Response to Spatially and Temporally Variable Forcings
Oral Session 340: Wednesday, 25 October 2017: 1:30 PM - 5:30 PM, Chelan 2
Poster Session 357: Wednesday, 25 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T187. How, and Under What Conditions, Does Weathering Influence Surface Processes?
Oral Session 212: Tuesday, 24 October 2017: 8:00 AM - 12:00 PM, Chelan 2

T188. Interrelationship between Tectonic Uplift and Quaternary Glaciations on the Tibetan Plateau and Its Surrounding Mountains
Oral Session 242: Tuesday, 24 October 2017: 1:30 PM - 5:25 PM, Chelan 2
Poster Session 358: Wednesday, 25 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T189. Landscapes in the Anthropocene
Oral Session 243: Tuesday, 24 October 2017: 1:30 PM - 5:10 PM, Chelan 4
Poster Session 359: Wednesday, 25 October 2017: 9:00 AM - 6:30 PM, Halls 4EF
T190. Linking Physical and Ecological Processes from Source-to-Sink to Investigate Multi-Scale Response to Restoration
Oral Session 318: Wednesday, 25 October 2017: 8:00 AM - 12:00 PM, Chelan 5
Poster Session 360: Wednesday, 25 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T191. Looking to the Past to Understand the Future: Glacial Chronology and Process
Oral Session 51: Sunday, 22 October 2017: 1:30 PM - 5:30 PM, Chelan 2
Poster Session 159: Monday, 23 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T192. Mountain Glaciation and Climate Change of the Past and Present in the Western Americas
Oral Session 341: Wednesday, 25 October 2017: 1:30 PM - 5:30 PM, Chelan 5
Poster Session 361: Wednesday, 25 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T193. Quantifying Geomorphic Processes and Rates of Landscape Evolution
Oral Session 111: Monday, 23 October 2017: 8:00 AM - 12:00 PM, Chelan 2
Poster Session 160: Monday, 23 October 2017: 9:00 AM - 6:30 PM, Halls 4EF

T194. The Aeolian Realm: Dunes, Dust, and Loess
Oral Session 24: Sunday, 22 October 2017: 8:00 AM - 12:00 PM, Chelan 2
Poster Session 73: Sunday, 22 October 2017: 9:00 AM - 5:30 PM, Halls 4EF

T195. Undergraduate Research Talks: The Next Step in Student Research Projects
Oral Session 52: Sunday, 22 October 2017: 1:30 PM - 4:45 PM, Chelan 5

Field Trips

401. Generation of the Palouse Loess: Exploring the Linkages Between Glaciation, Outburst Megafloods and Aeolian Deposition in Washington State
Wednesday, 18 October – Saturday 21 October 2017

402. Late Pleistocene Glaciation and Megafloods: The Cordilleran Ice Sheet and Columbia River Valley, Drainage Diversions, and Megafloods from Glacial Lake Missoula and Glacial Lake Columbia
Wednesday, 18 October – Friday 20 October 2017

406. Tsunamis in the Salish Sea: Recurrence, Sources, Hazards
Friday, 20 October 2017

410. Rivers Gone Wild: Extreme Landscape Response to Climate Induced Flooding and Debris Flows, and Implications to Long Term Management at Mount Rainier National Park
Saturday, 21 October 2017

Saturday, 21 October 2017

412. Glacial-Interglacial History of Whidbey Island: New Insights
Saturday, 21 October 2017

413. Mount St. Helens- Its 1980 Eruption and Subsequent Hydrogeomorphic and Ecologic Responses
Saturday, 21 October 2017

419. Glaciers, Isostasy, and Eustasy in the Fraser Lowland: Resolving Late-Pleistocene Glaciation Across the International Border
Thursday, 26 October 2017
Short Courses

502. High Resolution Topography and 3D Imaging I: Introduction to Terrestrial Laser Scanning
Friday, 20 October 2017: 8AM – 5PM, Sheraton, Greenwood

507. Field Safety Leadership
Friday, 20 October – Saturday 21 October 2017: 8AM – 5PM, Washington State Convention Center, Room 211

509. Landlab Earth Surface Modeling Toolkit: Building and Applying Models of Coupled Earth Surface Processes
Saturday, 21 October 2017: 8AM – 5PM, Washington State Convention Center, Room 205

513. High Resolution Topography and 3D Imaging II: Introduction to Structure from Motion (SfM) Photogrammetry
Saturday, 21 October 2017: 8AM – 5PM, Washington State Convention Center, Room 214

516. Subaqueous Paleoseismology Methods -- Actively Recruiting Participants --
Saturday, 21 October 2017: 8AM – 5PM, Sheraton Seattle Hotel - University

For course abstracts and a roster of other available courses, please visit [http://community.geosociety.org/gsa2017/science-careers/courses](http://community.geosociety.org/gsa2017/science-careers/courses). The early registration deadline is September 18 so act fast! After this deadline all course prices will go up $30.

If you are interested in one of these courses, sign up on-line at [http://community.geosociety.org/gsa2017/attendeeinfo/registration](http://community.geosociety.org/gsa2017/attendeeinfo/registration). For those of you who have already registered for the meeting, you may add one of these courses by calling GSA’s Sales and Services Department at +1-888-443-4472.

Can't Make the Meeting? You can still join us online at [http://community.geosociety.org/qggdivision/](http://community.geosociety.org/qggdivision/)

Necrology

In the last year, we've received notice of the passing of the following of our colleagues:

Victor Andresen          William McKinney
David R. Bedford         Robert Merrill
James Berkland           James Moore
Roy Breckenridge         Eldon Parizek
William Brennan          Terence Quirke
Parker Calkin            Harold Sugden
William Dickerson         Bennie Troxel
Curtis Elder             Don Wade
Wallace Hansen            John Whitmer
Earl Hart                Warren Yasso
Colin McAneny

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