Right: Sequence of Late-Glacial (post-LGM) deposits in the Val Mulix, near Albula Pass in the southeastern Swiss Alps. The lateral moraine sequence seen on the opposite valley wall are mapped as Daun (ca. 15ka) and Egesen (Y-D equiv) deposits. Note the extinct rock glacier (Egesen 2-3) cutting the lateral moraine (Daun-Egesen1) at the photo center (See Böhlert et al., 2011, *Geomorphology*, 127, p1. Photo by D. Dahms)

Left: Soil profile excavated on the Daun-age lateral moraine (above, foreground at lower right). The profile shows O-E-Bhs-Bsm horizons, typical of soils of Late-Glacial age in this region of the Alps (See Böhlert et al., 2011, *Catena*, v.87, p313. Photo by D. Dahms)
Quaternary Geology & Geomorphology Division Officers and Panel Members – 2011/12

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 – 8 Members: Division officers and the Chair of the preceding year; also includes the Historian as an ex officio member.

CHAIR:
Sara Rathburn
Department of Geosciences
Colorado State University
Fort Collins, CO 80523-1482
rathburn@cnr.colostate.edu

1st VICE-CHAIR:
Jim O’Connor
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2130 SW 5th Avenue
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oconnor@usgs.gov

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dennis.dahms@uni.edu

Historian: (Appointed by the Chair in consultation with the Management Board)
P. Thompson Davis
Professor, Geology & Climatology
Dept of Natural Sciences
Bentley University
Waltham, MA 02452-4705
pdavis@bentley.edu

Past Chair:
P. Kyle House
U.S. Geological Survey
Geology & Geophysics Sci Ctr.
2255 N Gemini Dr.
Flagstaff, AZ 86001
pkhouse@gmail.com

PANEL MEMBERS
2010-2012 Panel
Karen Gran, kgran@d.umn.edu
Anne Jefferson, ajeffer9@kent.edu
Tammy Rittenour, tammy.rittenour@usu.edu

2011-2013 Panel
Ben Laabs, laabs@geneseo.edu
Mary Ann Madej, mary_ann_madej@usgs.gov
Margaret Berry, meberry@usgs.gov

2012JTPC Representatives:
Sara Rathburn
Department of Geosciences
Colorado State University
Fort Collins, CO 80523-1482

Jim O’Connor
U.S. Geological Survey
Portland, OR 97201

GSA Councilor Liaison – John Holbrook
QG&G Division Liaison – Wesley Hill
(Both appointed by the GSA President)
-- Message from the Chair --

Sara Rathburn

The GSA Charlotte meeting is rapidly approaching. There are 27 excellent QG&G related sessions (oral and poster combined) scheduled during the meeting, so carefully check the program and map out the sessions you want to attend. I'd like to highlight a few not-to-be-missed events at the meeting:

- QG&G award talks that will be presented during technical sessions on Sunday, Monday or Tuesday, Nov. 4-6
  - Sunday, Nov. 4 Ken Pierce will give his Distinguished Career Award lecture beginning at 3:30 pm in Session T29: Advances in the Study of Physical Weathering Processes and Their Influence on Landscape Evolution, Room 207BC
  - Tuesday, Nov. 6 Julio Bentacourt will give his Farouk El-Baz award lecture beginning at 9:25 pm in Session T23: Landscape Dynamics: Gullies and Rivers, Room 207A
  - Tuesday, Nov. 6 Neal Iverson will give his Kirk Bryan award lecture beginning at 4:25pm in Session T27: Post-Glacial Landscape Evolution: Landforms and Processes in Alpine and Sub-Alpine Areas, Room 207BC

- The Kirk Bryan field trip will be held all day on Wed., Nov. 7

See you in Charlotte!

QG&G sponsored & co-sponsored technical sessions:

**Sunday am**
T16 Cenozoic Ostracode Research: Developments In Paleoclimatology, Paleohydrology, Paleoecology and Phylogenetics
T24 Geomorphology of the Anthropocene: The Surficial Legacy of Past and Present Human Activities
T26 Linking Coastal and Aeolian Geomorphology At the Beach- Dune Interface

**Sunday pm**
T17 Quaternary Sedimentary Architecture as a Prerequisite to Hydrogeological Modeling of Glaciated Terrains
T29 Advances in the Study of Physical Weathering Processes and Their Influence on Landscape Evolution (Ken Pierce will give his DCA award lecture during this session from 3:30 pm- 4:00 pm Room 207BC)
T26p (p means poster session that is linked to the technical session with the same number)
D8p-Quaternary Geology and Geomorphology (general poster session)

**Monday am**
T20 Quaternary Atlantic Coastal Plain Formation and Evolution
DB8- Quaternary Geology and Geomorphology (general oral session)

**Monday pm**
Special Session: The Fluvial System: The Legacy of Stanley S. Schumm
T18 The Evolution of Karst Landscapes Through Time In Response to Changing Hydrologic, Geomorphic, and Tectonic Conditions
T19 Recent Sea-Level Change in a Late Holocene Context
T21 Geological Records of Earthquakes and Tsunamis On Passive and Active Margins Coasts
T22 Using Buried Soils to Reconstruct Past Climates: Opportunities and Considerations

**Tuesday am**
T23 Landscape Dynamics: Gullies and Rivers (Julio Bentacourt will give his El-Baz award lecture during this session from 9:25 am- 9:55 am Room 207A)
T25 Landslides and Debris Flows: Global Problems, Local Solutions

**Tuesday pm**
T28 Channel Morphology and Hydraulic Geometry of Channelized Flows: Linking Observations From a Variety of Environments and Scales
T27 Post-Glacial Landscape Evolution: Landforms and Processes in Alpine and Sub-Alpine Areas (Neal Iverson will give his Kirk Bryan award lecture during this session from 4:25pm-4:55 pm Room 207BC)
P3 Meltwater Production from Source (Ice Margins) to Sink (Ocean): Magnitude, Chronology, and Significance

**Wednesday All Day**

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Ideas for the 125th Anniversary Meeting

A special note: GSA wants each division to help contribute something special toward next year’s Annual Meeting (125th anniversary), such as special sessions, field trips, workshops, etc. The board invites any thoughts from the membership.
QG&G Logo Contest

With the 125th Anniversary of GSA coming up in 2013, we are developing a new logo for the QG&G website, and for t-shirts, coffee mugs, and beer glasses. Win a $100 gift certificate and be recognized as the creator of the QG&G Division logo! All logo entries will be displayed at the 2012 GSA meeting in Charlotte at the QG&G booth in the exhibit hall for voting by our membership. Stop by and vote on your favorite Division logo.

A few logo ideas are already displayed on the QG&G facebook page, so look there for starters (www.facebook.com/GSA.1888). There are format requirements that must be followed, with guideline information available on facebook, from GSA (http://www.geosociety.org/divisions/), or from the Division chair. The deadline for submissions is Oct. 31st. Please display your submitted logos on facebook and send a copy to the QG&G Division chair at: rathburn@cnr.colostate.edu

Change in 2013 QG&G Division Dues Approved

The Quaternary Geology and Geomorphology Division Management Board is proposing a $2 increase in the annual membership dues from $8 to $10 for GSA Professional Members and Fellows beginning in calendar year 2013. The annual membership dues for Student members, Recent Graduates, and K-12 Teachers would remain the same at $4 with no proposed increase.

QG&G DIVISION AWARDS – 2012

The following awards will be given by the QG&G Division at the annual awards ceremony on Tuesday, November 6th, from 7-11pm in the Charlotte Convention Center Ballroom Div A.


Farouk El-Baz award: Julio Betancourt, US Geological Survey

Distinguished Career Award: Ken Pierce, US Geological Survey

Gladys W. Cole Memorial Research Grant: Vance T. Holliday, University of Arizona

J. Hoover Mackin Award: Sharon Brywater-Reyes, University of Montana

J. Hoover Mackin award honorable mention: Matthew Finkenbinder, University of Pittsburgh

Arthur D. Howard award: Danika Globokar, University of Washington

Arthur D. Howard award honorable mention: Nicholas Sutfin, Colorado State University

Marie Morisawa award: Elizabeth Thomas, Brown University

Robert K. Fahnestock award: John Templeton, Columbia University

John Montagne Fund award: Nicholas Sutfin, Colorado State University

GSA International Distinguished Lecturer: Vic Baker, University of Arizona, is the inaugural GSA International Distinguished Lecturer

Division Officers for 2012-2013

As usual, a new batch of QG&G Division officers was elected this summer. Here are the new division officers and panel members that will take office at the 2012 Annual Meeting:

Chair: ..............................  Jim O’Connor
1st Vice-Chair:  .................  Alan R. Nelson
2nd Vice-Chair: ....................  David Dethier
Secretary:  .........................  Sarah Brown Lewis

2012-2014 Panel Members
Meredith A. Kelly
Sara Gran Mitchell
Amanda Henck Schmidt
SPECIAL ISSUE of the Journal of the Geological Society of Sweden devoted to varved sediments.

Scope: Latest developments in the sedimentology and genesis of varved sediment and their use in chronologic and paleoclimatic studies of the Holocene, Late Glacial, and even earlier.

Background: Just over 125 years ago, Sweden’s Gerard De Geer, University of Stockholm, measured and correlated glacial varves at Djurgården in Stockholm. Since then, varves, at times questioned, have become an important tool for precise chronologic studies and, more recently, a key proxy in Holocene paleoclimatic studies. This volume is dedicated to providing examples of recent work in genesis, chronology, and use of varves as climate proxies.

Guest editors: (1) Pierre Francus, Institut National de la Recherche Scientifique, Centre Eau, Terre et Environnement, Québec, Québec G1K 9A9, Canada. (2) Jack Ridge, Department of Geology, Tufts University, Medford, Mass., USA 02155

First Call: February 1, 2012
Final deadline: November 1, 2012.
To submit online: http://mc.manuscriptcentral.com/sgff
Instructions: www.tandfonline.com/sgff

International Association of Geomorphologists (IAG)
The organizing committee of the 16th Joint Geomorphological Meeting on "Morphoevolution of Tectonically Active Belts" to be held in Rome, Italy, on July 1 - 5, 2012, informs the international geomorphological community that a dedicated website exists at the following address: http://www.16jgm-rome2012.org/

European Geosciences Union
The European Geosciences Union has created web pages for its divisions. For the Geomorphology division, we are looking to build a useful and exciting site that provides the research and student community with up to date news, information about meetings and publications, training opportunities and job openings at all levels, research and teaching resources, links and networking mechanisms. It will be a site for you to post and to find material, to learn about and broadcast what is happening in geomorphology. The pages went live on November 1, 2010.

Environmental & Engineering Geoscience seeks contributed papers
(EEG) is co-published by GSA and the Association of Environmental & Engineering Geologists. The journal accepts peer reviewed manuscripts that address issues relating to the interaction of people with hydrologic and geologic systems. Geomorphology studies are most welcome. Theoretical and applied contributions are appropriate, and the primary criteria for acceptance are scientific and technical merit. Since 2009, color figures which are needed to convey scientific content are printed at no charge to authors. Electronic submission and review are conducted at http://eeg.allentrack.net

MRI DATABASE
For those interested in integrated global change research, we would like to draw your attention to the database being built by the Mountain Research Initiative (MRI) in Bern, Switzerland.

The database is MRI's central networking tool to connect people from research, government, NGOs and the private sector involved in the issue of global change in mountain regions in one way or another. It includes both contact information and details on the participants' areas of expertise. To date the database already comprises close to 3000 entries. Make (or revise) your entry now at: http://mri.scnatweb.ch/content/view/40/44/.

MRI’s goals are to advance the understanding of how global change, especially climate change, will impact mountain environments, peoples and economies throughout the world, and to promote the use of that understanding in the pursuit of sustainable management of mountainous regions. MRI is endorsed by IGBP, IHDP, GTOS and the MAB Program. Find out more at our new website: http://mri.scnatweb.ch.

SWGEONET Online
Georectified Aster satellite imagery data as geotiff for the Southwestern US and northern Mexico. More than 2300 images (>350Gb) available and more on the way. They have been acquired from 2000 to 2004. Image selection is done through our main swgeonet map server: http://aspen.asu.edu/website/Geoinformatics/viewer.htm. Just make one or more of the Aster layers visible, make the one you are interested in active, and click on
a footprint of interest with the inquire (i) tool and then click through the various options.

Here is a tutorial that might help to get you going: http://www.geoinformaticsnetwork.org/swgeonet/Data/Tutorials/Tutorial-ASTER_data.htm.

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DENDROCHRONOLOGY DATABASE

The Bibliography of Dendrochronology is an archive of printed documents relevant to tree-ring research worldwide, that you can search for free. It was compiled and is constantly updated by Henri D. Grissino-Mayer. It currently contains over 8200 references dating back to 1737. http://www01.wsl.ch/dendrobiblio

You are welcome to contribute by sending reprints of relevant publications to:
Dr. Henri D. Grissino-Mayer
Department of Geography
University of Tennessee
Knoxville, TN 37996
(865) 974-6029
http://web.utk.edu/~grissino

IAG NEWSLETTER

IAG Newsletters are available on the IAG Website: http://www.geomorph.org

GEOMORPHORUM


PAGES - (PAst Global changES)

The core mission of PAGES is to facilitate international collaborations and interdisciplinary science, especially between individuals involved in national programs with overlapping interests. The PAGES scope of interest includes the physical climate system, biogeochemical cycles, ecosystem processes, biodiversity, and human dimensions. The emphasis is on high-resolution studies of global change – such as those stored in ice cores, tree rings, speleothems, corals, lakes, marine records, etc. – and the use of these data for making sound estimates of future global change.

What is PAGES and how can a GSA/Quaternary Member get involved? http://www.pages.unibe.ch.

PAGES even played a key role with NOAA in establishing the WDC-A for Paleoclimatology as the central depository for global paleoclimate data.

WDC-A stands for World Data Center for Paleoclimatology, which is a part of the NOAA National Climate Data Center (NCDC).
http://www.ngdc.noaa.gov/paleo/paleo.html

CGRG BIBLIOGRAPHY OF CANADIAN GEOMORPHOLOGY

http://cgrg.geog.uvic.ca/cgi-bin/search.cgi

1. The Bibliography of Canadian Geomorphology is a searchable database dedicated to identifying publications and presentations describing the practice and application of geomorphology in Canada. Included are over 18,000 records related to the fields of aeolian, applied, coastal, fluvial, glacial, hillslope, karst, periglacial, permafrost and offshore geomorphology. The database also includes records describing Canadian Quaternary/ Holocene environments and a substantial body of records related to Canadian hydrology.


Since the last newsletter, we were notified of the passing of the following of our colleagues:

Many Divisions “publish” their newsletters mainly by posting them on their Division websites. All Division websites can be accessed from: http://www.geosociety.org/sectdiv/divisions.htm.

Archaeological Geology – Spring, Fall
Contact: Chair, Loren Davis, loren.davis@oregonstate.edu

Coal Geology – No set schedule.
Contact: Chair, Sue Rimmer, srimmer.siu.edu

Environmental and Engineering Geology – Spring, Summer, Fall
Contact: Chair, William Schultz, wschultz@usgs.gov

Geobiology & Geomicrobiology – No set schedule.
Contact: Chair, Frank Corsetti fcorsett@usc.edu

Geoinformatics – No set schedule.
Contact: Chair, Walter Snyder, wsnyder@boisestate.edu

Geology & Health – No set schedule.
Contact: Chair, Robert Finkelman, bobf@utdallas.edu

Geology & Society – No set schedule.
Contact: Chair, Craig Cooper, craig.cooper@inl.gov

Geophysics – No set schedule.
Contact: Chair, Audrey Huerta, huertaa@geology.cwu.edu

Geoscience Education – Winter, Summer
Contact: Chair, Sadredin Moosavi, smoosavi@charter.net

History of Geology – Quarterly.
Contact: Chair, Ken Aalto, kra1@humboldt.edu

Hydrogeology – Spring/Summer, Fall
Contact: Chair, Steve Ingebritsen, seingebr@usgs.gov

Limnogeology – No set schedule.
Contact: Chair, Daniel Deocampo deocampo@gsu.edu

Mineralogy, Geochemistry, Petrology, Volcanology
Contact: Chair, Russell Harmon, russell.harmon@us.army.mil

Planetary Geology – Summer or Fall
Contact: Chair, Simon Kattenhorn, simkat@uidaho.edu

QG&G – Spring/Summer, Fall
Contact: Newsletter editor Dennis Dahms, dennis.dahms@uni.edu

Sedimentary Geology – Spring, Fall
Contact: Chair, Richard Langford, langford@utep.edu

Structural Geology & Tectonics – Spring, Fall
Contact: Chair, Ronald Bruhn, ron.bruhn@utah.edu
# GSA Quaternary Geology and Geomorphology Division Newsletter
## Volume 53 No. 2, September 2012

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