

Geological Society of America History and Philosophy of Geology Division

<http://gsahist.org>

Volume 36, No. 3 September, 2012

2012 GSA Annual Meeting in Charlotte (4–7 November 2012)

Session No. 42

Sunday, 4 November 2012

1:30 PM-5:30 PM, Charlotte Convention Center: 212AB

History & Philosophy of Geology: 1886 Charleston Earthquake, Carolina Gold Rush and Other Topics

Kenneth R. Aalto and James C. Dawson, Presiding

Paper #	Start Time	
42-1	1:30 PM	CLARENCE DUTTON'S GEOLOGIC CAREER : AALTO, K.R. , Geology, Humboldt State University, Arcata, CA 95521, kra1@humboldt.edu
42-2	1:45 PM	THE IMPACT OF THE CHARLESTON EARTHQUAKE OF 1886 ON THE NASCENT SCIENCE OF SEISMOLOGY : TALWANI, Pradeep , Geological Sciences, University of South Carolina-Columbia, 700 Earth Water Science Bldg, Columbia, SC 29208, talwani@geol.sc.edu
42-3	2:00 PM	NEW INSIGHTS ON THE SEISMOTECTONIC SETTING OF SEISMICITY IN THE CHARLESTON REGION, AND THE ORIGIN OF THE 1886 EARTHQUAKE : KNAPP, James H. , DERRICK, Erin, HEFFNER, David M., and TALWANI, Pradeep, Earth and Ocean Sciences, University of South Carolina, 701 Sumter Street, Columbia, SC 29208, knapp@geol.sc.edu
42-4	2:15 PM	QUICKSILVER IN THE SOUTHERN GOLD RUSH (1800-1848): THE QUESTION OF SOURCES AND SUPPLIES : SMITH, Michael S. , Department of Geography and Geology, University of North Carolina Wilmington, 601 South College Road, Wilmington, NC 28403, smithms@uncw.edu
42-5	2:30 PM	THE REMARKABLE POTENTIAL OF THE HISTORIC HAILE GOLD MINE : MORRIS, Jack H. , 4031 South Cove Lane, Belmont, NC 28012, jackhmorris@yahoo.com
	2:45 PM	Break
42-6	3:00 PM	JAN VAN GOYEN'S LANDSCAPES: EVOLUTION OF LANDSCAPE AS COMMON KNOWLEDGE AND PRECURSOR TO THE AWARENESS OF DEEP TIME : ROSENBERG, Gary D. , Indiana University-Purdue University, Indianapolis, IN 46202, grosenbe@iupui.edu

- 42-7 3:15 [FIRST ENGLISH TRANSLATION OF MIKHAIL LOMONOSOV'S 1763 TREATISE "ON THE STRATA OF THE EARTH"](#): **ROWLAND, Stephen**, Department of Geoscience, University of Nevada Las Vegas, Box 454010, Las Vegas, NV 89154, steve.rowland@unlv.edu and **KOROLEV, Slava**, Department of Geoscience, University of Nevada Las Vegas, 4505 Maryland Parkway, Las Vegas, NV 89154-4010
- 42-8 3:30 [CHANGE IN NATURE AND THE NATURE OF CHANGE: EVOLUTIONARY THEORY IN POST-REVOLUTIONARY FRANCE](#): **GOLDSMITH, David W.**, HARTFORD, Samantha L., and **LONG, Melanie G.**, Department of Earth Systems Science, Westminster College, 1840 South 1300 East, Salt Lake City, UT 84105, dgoldsmith@westminstercollege.edu
- 42-9 3:45 [EARLY 20TH-CENTURY PALEONTOLOGY MUSEUM GUIDES FOR THE GENERAL PUBLIC: THE ROLE OF WILLIAM DILLER MATTHEW](#): **DAVIDSON, Jane P.**, Univ Nevada, Reno, Art Dept 224, Reno, NV 89557, jhexen@unr.edu
- 42-10 4:00 [THE CORRESPONDENCE OF HENRYK B. STENZEL: A 20TH CENTURY HISTORY OF GULF COAST CENOZOIC GEOLOGY AND PALEONTOLOGY](#): **ZACHOS, Louis G.**, Geology and Geological Engineering, University of Mississippi, 102J Carrier Hall, Oxford, MS 38677, lgzachos@olemiss.edu, **MOLINEUX, Ann**, Non-vertebrate Paleontology Laboratory, Texas Natural Science Center, The University of Texas at Austin, Austin, TX 78758, and **SMITH, Lorene E.**, Fossil Protists and Invertebrates, Louisiana State University Museum of Natural Science, 119 Foster Hall, Baton Rouge, LA 70803-3216
- 42-11 4:15 [BLACK BUTTES FOSSIL MOLLUSCAN SECTION, WYOMING: ANOTHER HISTORIC LYNCH-PIN IN INTERPRETING THE LATEST CRETACEOUS CONTINENTAL MOLLUSCAN RECORD OF NORTH AMERICA](#): **HARTMAN, Joseph H.**, School of Geology and Geological Engineering, University of North Dakota, 81 Cornell Drive, Stop 8358, Grand Forks, ND 58202, joseph.hartman@engr.und.edu, **BOGAN, Arthur E.**, Invertebrate Section, NC Museum of Natural Sciences, 11 West Jones St, Raleigh, NC 27601-1029, and **BUTLER, R.D.**, Department of Geology and Geological Engineering, University of North Dakota, 81 Cornell Street, Stop 8358, Grand Forks, ND 58202
- 42-12 4:30 [DALY AND MOLENGRAAFF \(1924\) VINDICATED: THE HUGE BUSHVELD IGNEOUS COMPLEX, SOUTH AFRICA \(2,055 MA, A=67,000 KM², V=10⁶KM³\) IS A SURFICIAL OPEN SYSTEM](#): **ELSTON, Wolfgang E.**, Earth and Planetary Sciences, University of New Mexico, MSC03 2040, Albuquerque, NM 87131, weelston@comcast.net

GSA History of Geology Division Annual Report 2012

1 September 2012

Division Mission: (from the Bylaws) to provide a suitable forum for presentation of papers on history and philosophy of geology and discussion of problems of mutual interest in the study of history and philosophy of geology and the development of the geological sciences, to stimulate research and teaching of such history and philosophy, and to act as an organized group in promoting these objectives within the framework of the Geological Society of America

Officers (Management Board)

Chair: Kenneth R. Aalto

First Vice Chair: James C. Dawson

Second Vice Chair: Renee M. Clary

Secretary/Treasurer: Jane P. Davidson

Past Chair: John A. Diemer

Committees: Nominating Committee: Gary Rosenberg

Steve Rowland

Ann Given

Awards Committee: Davis A. Young

William Brice

Sally Newcomb

Program Committee: Kenneth R. Aalto

James C. Dawson

JTPC Representatives: Kenneth R. Aalto, James C. Dawson

Council Liaison: Robert Tracy

Membership Information: As of 8/27/2012 321 members (down from 468 in a year)

Newsletter and Publications: History and Philosophy of Geology Division Newsletter published quarterly online, and in paper format upon request.

Website: gsahist.org

Financial Summary: June 30, 2011

STATEMENT OF ACTIVITIES

REVENUE SOURCES	
Division Dues Income	\$1,68
Contributions	5,678
	-
Total Revenue	7,361
EXPENSES	
Postage, Shipping, Freight	92.59
Grants & Awards, Cash	4,000
Awards, Purchased	52.00
Travel, Lodging, Subsistence	70.40
Catering & Entertainment	1,635
Transfer to GSA	500.0
	-
Total Expenses	6,350
	-
NET INCOME/(LOSS)	1,011
	=

STATEMENT OF FINANCIAL POSITION

ASSETS	
Cash	4,492
Total Assets	4,492
LIABILITIES AND EQUITY	
Deferred Dues Income	804.4
Net Assets, Beginning of Year	2,677
Net Income/Loss Current Year	1,011
	-
UNRESTRICTED NET ASSETS, Year to Date	4,492

Awards and Travel Grants:

2011 Mary C. Rabbitt History of Geology Award: Sally Newcomb

2011 Gerald M. and Sue T. Friedman History of Geology Distinguished Service Award:
Cliff Nelson

2011 History of Geology Division Student Award: Margaret Rosenberg

\$4000 in travel grants were issued during the fiscal year (Piotr Krzywiec and Irena Malaknova).

Associated Societies and Partnerships:

History of Earth Sciences Society (HESS)

GSA Annual Meeting Activities:

Sponsorship of technical session in history and philosophy of geology;

Annual business meeting; annual meeting of management board;

Annual students and friends reception

Division Sponsored and/or Co-sponsored Topical Sessions: T198. International Collaboration and the Evolution of Geology

Business Meeting Summary

In-coming Officers: Past Chair, John Diemer; Chair, Kenneth Aalto; First Vice Chair, James Dawson; Second Vice Chair, Renee Clary; Secretary/Treasurer, Jane Davidson

Presentation of Awards

Future Activities / Action Items:

Division logo was chosen by ballot in August, 2012.

Planning activities in regard to GSA's 125th anniversary in 2013.

Annual Report Submitted By: Secretary/Treasurer Jane P. Davidson and Division Chair K. R. Aalto

Reporting Period: October 1, 2011 – September 30, 2012

Date Report Submitted: September XX, 2012

Questions or comments please address to Jane Davidson, Secretary/Treasurer Newsletter Ed.
jhexen@unr.edu

Need for books and such

There a need for books and such for the silent auction and the time of the luncheon/business meeting (Tues, noon-2pm and reception (Tues, 5:30–7).

K. R. Aalto.

GSA History & Philosophy of Geology Division Ballot Results 2012 – 2013 Officers

The Division ballot has been closed and all on-line and paper ballots have been recorded by GSA. The following are your election results.

Chair	James C. Dawson	61
Chair	Abstain	3
First Vice-Chair	Renee Clary	61
First Vice-Chair	Abstain	3
Second Vice-Chair	Jane P. Davidson	59
Second Vice-Chair	Abstain	4
Second Vice-Chair	Sally Newcob	1
Secretary Treasurer	David W. Goldsmith	60
Secretary Treasurer	Abstain	3
Secretary Treasurer	Naomi Oreskes	1
Logo # 1	No	17
Logo # 1	Yes	14
Logo # 1	Abstain	9
Logo # 2	Yes	30
Logo # 2	Abstain	8
Logo # 2	No	5
Logo # 3	No	13
Logo # 3	Abstain	11
Logo # 3	Yes	9
Logo # 4	No	14
Logo # 4	Abstain	11
Logo # 4	Yes	5
Logo # 5	No	17
Logo # 5	Abstain	9
Logo # 5	Yes	3
Logo # 6	No	19
Logo # 6	Abstain	9
Logo # 6	Yes	3
Logo # 7	No	19
Logo # 7	Abstain	9
Logo # 7	Yes	3

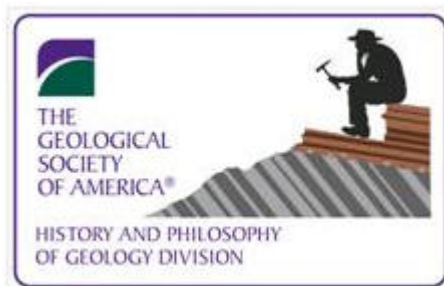
New Division Logo Vote:

- #1) Hutton (by Hugh Rance)
- #2) Thinker (Siccar Point, natural rock colors, by Emily Henke)
- #3) Thinker (Siccar Point, alternate colors I, by Emily Henke)
- #4) Thinker (Siccar Point, alternate colors II, by Emily Henke)
- #5) Stylized Siccar Point (natural rock colors, by Hugh Rance)
- #6) Stylized Siccar Point (red, white and blue, by Hugh Rance)
- #7) HAPG (History and Philosophy of Geology, by Hugh Rance)

If you have any questions, please contact Wesley Hill at GSA: whill@geosociety.org (303) 357-100

The chosen logo design:

- 2) **Thinker** (Siccar Point, natural rock colors, by Emily Henke)



SEQ CHAPTER \h \r 1Emily Henke earned a B.S. in Landscape Architecture from Ball State University in 2007. She worked as a landscape architect for two years before entering the Earth Sciences graduate program at the University of North Carolina at Charlotte where she earned her M.S. in 2011. While enrolled at UNC Charlotte, Emily became interested in the history of the earth sciences and developed a Geologic Time Scale Android App with her computer scientist husband, who was used as a prop for this logo. Emily has recently joined the firm Estes Design, Inc, in Charlotte where she is able to use her knowledge of earth sciences to guide the design of stormwater infrastructure projects.

Ken Aalto is forwarding this info to the logo approval folks at GSA.

Of interest

There is more information here: <<http://www.savesiccarpoint.co.uk>>
and here < <http://blogs.scientificamerican.com/history-of-geology/2012/09/03/save-siccar-point/>
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Submitted by Dr Cherry Lewis