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President's Column

By Robert Tolliver

It's once again time for our annual meeting. This year's meeting will be in Indianapolis, Indiana and the Geoscience Information Society has events going on from Saturday, November 3rd through the evening of Tuesday, November 6th. I hope that many of you can make it to the meeting this year. Thanks to Vice-President/Program Planner Chris Badurek, Topical Sessions Convener Cynthia Prosser, and Geoscience Librarianship 101 planner Clara McLeod for developing the events for this year's meeting. Thanks also go to everyone else who contributed to our events, to our awards committee members, our GL 101 instructors, and to everyone who submitted abstracts for our topical sessions.

We're excited that GSIS has been able to offer a new GSIS Travel Award this year to help someone attend the annual meeting and participate in our activities. I hope that this award will provide a great opportunity for members have not had a chance to come to a meeting to attend some of our events and meet with other geoscience librarians. Thanks to Shaun Hardy for the initial idea and for leading

this initiative this year.

There will be plenty of information in this issue on the upcoming meeting, but I would like to specifically encourage you to join us for our business meeting on Sunday morning and let us know how the organization is and can support your needs as geosciences librarians or in related positions. Are there things that we should be doing related to data management, scholarly communication, or other new areas that we are not currently addressing? What can we do to continue to support the unique collections needs in the geosciences, including field guides, maps, survey publications and data? I hope you can be part of this discussion.

Now is a good time to start thinking about volunteer opportunities with GSIS. After the upcoming annual conference, we will be looking for new members of our committees and other positions within the organization. One position we need filled for the coming year is the GSIS Webmaster. If you have an interested in updating our website and making it more engaging and useful, please let me know.

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The GSIS Newsletter is published quarterly, in March, June, September, and December by the Geoscience Information Society. It is now published Open Access and is supported by GSIS memberships (individual or institutional). All correspondence regarding dues, membership status, and address changes should be directed to the GSIS Secretary. GSIS members are encouraged to contribute content for publication. Material for the December issue should be received no later than December 10, 2018. Please send submissions by e-mail to the Newsletter Co-Editors Amanda Bielskas asb2154@columbia.edu or Michael Noga mnoga@mit.edu.

(Continued from page 1)

We are also looking for someone to take over as chair of our exhibits committee that manages our exhibit at the annual meeting and creates displays that promote GSIS and geoscience information literacy. If you are interested in either of these positions, please let me know. I want to thank Courtney Hoffner and Linda Zellmer, respectively, for all of their efforts over the last few years in these positions. Thank You!

It's been a great experience serving as president of GSIS and to work with a great group of colleagues. I know I've said this before, but I encourage you to consider volunteering in GSIS and consider running for one of our elected positions.

I hope to see you in Indianapolis in November.
Bob Tolliver, GSIS President

GSIS Travel Grant Winner

By Shaun Hardy

Brittany Wofford (Duke University Libraries) was selected to receive the inaugural GSIS Travel Grant for this year's annual meeting in Indianapolis.

Brittany is Librarian for the Nicholas School of the Environment at Duke, where she supports research in Earth & Ocean Sciences, Environmental Science & Policy, and Marine Science & Conservation. She also serves as Coordinator for The Edge, the University Libraries' research commons. Brittany has worked at Duke since 2012, but is new to the geosciences. She looks forward to networking with, and becoming more involved in, the GSIS community so that she can better support her faculty and students.

In addition to providing financial support for attending the November meeting the Grant program will provide Brittany with a conference buddy and professional mentoring for one year afterward. Amanda Bielskas (Columbia University) will serve as Brittany's mentor. Brittany's grant will be presented at the GSIS Awards Luncheon at GSA in Indianapolis.

Travel Grant Selection Committee (Shaun Hardy, Amanda Bielskas, Samantha Teplitzky)

Vice Presidents Column:

GSA Conference Sessions Highlight Changing Needs in Geoscience Information Resources

By Chris Badurek

GSIS and the Geoinformatics Division of the Geological Society of America are sponsoring highly informative and interdisciplinary sessions at the GSA Conference in Indianapolis coming up over November 4-7, 2018.

projects, new geoscience communication approaches, new uses of social media in the professional field of paleontology, and new teaching methods using virtual reality and geographic information systems (GIS).

The GSIS poster session, T25: Geoscience Information Needs in Education and Research, focuses on new developments in resources ranging from geoscience data sources, educational information resources, and uses of software for teaching and research. This session highlights access to geoscience resources including innovative geoscience data sharing

Presentations by GSIS members cover changing needs in geoscience data resources, including crowdsourcing of citizen science activities, increased access to open educational resources (OER), uses of a geologic field trip web archive, assessment methods for use of GIS in geoscience education, and uses of bibliographic tools in the geography literature.

In addition, our partners at the GSA Geoinformatics Division have organized an oral session entitled T41: FAIR Data, What Can Geoinformatics Do?, which focuses on developing the technical data infrastructure needed for increased sharing of geoscience data for increased scientific productivity. They have also organized a poster session entitled D46: Advances in Geoscience Data, Delivery, and Use – Geoinformatics, which focuses on geoscience data resources used in research applications.

These sessions reinforce the increased emphasis on increased access to information resources and data sources for research and teaching activities among universities and governmental organizations.

Geoscience Information Society Poster Session
T25: Geoscience Information Needs in Education and Research
<https://gsa.confex.com/gsa/2018AM/meetingapp.cgi/Session/45252>

Geoinformatics Oral Session
T41: FAIR Data – What Can Geoinformatics Do?
<https://gsa.confex.com/gsa/2018AM/meetingapp.cgi/Session/45356>

Geoinformatics Poster Session
D46: Advances in Geoscience Data, Delivery, and Use – Geoinformatics
<https://gsa.confex.com/gsa/2018AM/meetingapp.cgi/Session/46458>

Musings

By Michael M Noga

Musings

change in weather.

Several years ago, I heard the terms “dead trees” for print books and “book warehouse” for libraries. I like to think of print books as doors to thought, fact, conjecture, information, entertainment, and delight. I like to think of libraries as warehouses of the same, except that they are organized by a great classification of subjects of nature and humanity. I think that people who use the term “book warehouse” don’t understand the purpose of classification,

The Muses have been unsettled this month. There have been many false starts, maybe because of the sudden

nor understand the different levels of reading and concentrated study that occur with online and print use. I like to use both print and online, depending on need and convenience. I still like to browse stacks in addition to doing online and browser searchers. Many of our users no longer step into the library. If they find what they need, that’s fine with me. However, users have asked questions that are best answered by an older map, which they could check out and scan, but they never make it to the collection. Perhaps it’s a question of time, or a question of just getting just enough information and data.

Linda Musser’s musings elsewhere in this issue give an example of the use of classification in discovery. Perhaps we can explore this issue of print stacks further at the GSA Annual Meeting.

Musings: Shall We Let the (L)Chips Fall Where They May?

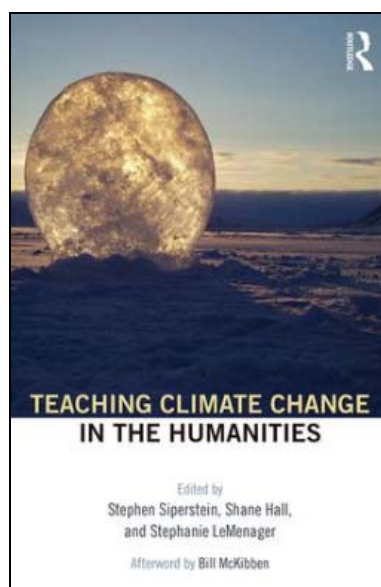
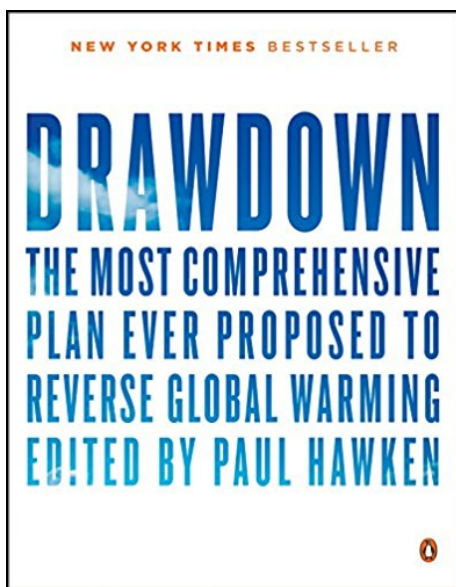
By Linda Musser

I love the Library of Congress but sometimes their classification choices bewilder me, which is why my geosciences/materials science-focused library houses items in just about every major LC class available. Class B: Philosophy, Psychology, and Religion – I have it. Class N: Fine Arts – check. Class U: Military Science – yes indeed. If the classification is completely wrong, I might have it adjusted but most of the time I don't worry too much about it. While I may regret the loss of shelf-browsing serendipity, our cataloging department is busy and my library is small enough that navigating around the book stacks takes little time. In larger libraries, however, or those where the classification controls which subject library receives a work, the impact of the classification may be more serious.

These thoughts filtered through my mind in two instances recently, related to two noteworthy works on climate change. The first is Paul Hawken's *Drawdown: the Most Comprehensive Plan Ever Proposed to Reverse Global Warming* (Penguin Books, 2017). Judged on its

classification alone - TD171.75* – it appears an unlikely candidate for my library whereas the title clearly indicates its appropriateness for an earth sciences collection. The second case is a multi-authored work titled *Teaching Climate Change in the Humanities* (Taylor & Francis, 2017). LC classed this work in QC903** and the work came to my library – which is unfortunate as the audience for this title is firmly rooted in the humanities.

Some might say that, in the end all that matters is that the book is available to readers from one (or more) of the libraries at my institution and, given our excellent delivery system, they may be correct. (This is particularly true if the items in question are in e-format.) Yet serendipity matters. Even more important, those oddly classed works represent bridges to other disciplines and are worth another look. In these two cases, I am glad I did as both books are well worth having in the collection – the former on my library's shelves and the latter, now located on the shelves of our humanities library.



* TD171.75 = Environmental protection. Climate change mitigation.

** QC903 = Atmospheric temperature. Variations. Climatic change.

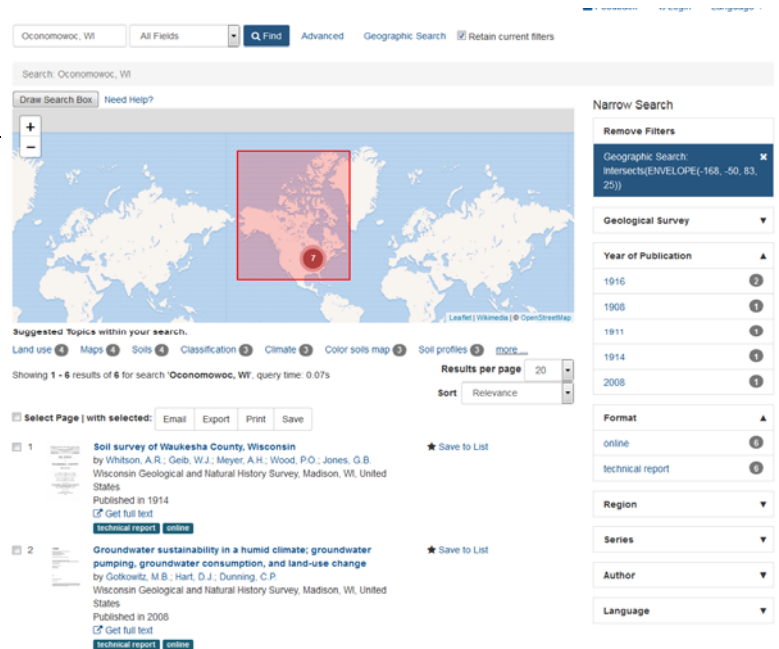
Review: State Surveys Database

By Linda Zellmer

In the middle of July, the American Geosciences Institute (AGI) announced the release of the Geological Surveys Database (<https://statesurveys.americangeosciences.org>), an online index to state geological survey publications and U.S. Geological Survey Fact Sheets. The index, a cooperative effort of the AGI's Critical Issues program, GeoRef, and individual state geological surveys, will make it easier for policy makers and the general public to discover and use state geological survey publications. It contains records of state geological survey publications for about 38 states. The "About the Database" page contains a link to a website containing a map showing participating states; publications for states in the Northeast and Mid-Atlantic are not yet included in the database.

The interface behind the Geological Surveys Database is VuFind, which is familiar to many library users. Users can do a basic or advanced search, which allows them to search in one or more specific fields: All Fields, Title, Series Title, Author, Geological Survey, Source, Record ID, ISBN/ISSN or Coordinates. Once a search has been done, users can further narrow the search by region, date, Survey, format and other criteria.

When searching the database, users are searching the full text of publications, so a search of the database might find items that are not related to the topic searched (false drops). If full-text is available, users are offered the option to link to the record for the publication available



The database can also be searched using a map interface. When users initially link to the geographic search, they see a World map showing the number of publications available in the database (over 5000 in the United States, 900 for Alaska and 6 for Hawaii). As they zoom closer to a location, they continue to see the number of publications available about that smaller area. In some cases, they might zoom in on a location and think that there are no publications on the area when in fact a text search would identify publications on that area.

Users can mark records for downloading or exporting from the database, save searches, create lists of items and provide notes and comments on records for an item. From a full record for an item, it is possible to generate a citation in APA, Chicago or MLA format. Users can also create custom lists, save searches, create notes and comment about items represented by a database record.

One shortcoming of the database is that it only contains publications of State Geological Surveys. Publications of state water surveys or water resources research organizations are not included in the database. Thus, users may be missing valuable sources of geological information that are not included because they were not published by a state geological survey.

“Geoscience Librarianship 101” – a full-day introduction to earth science information resources and their organization – will be presented by the Geoscience Information Society (GSIS) on Saturday, November 3 in Indianapolis, Indiana. Registration is free and open to all information professionals as well as students in library and information studies.

GL101 is aimed at librarians new to the geosciences and those already in the field who want a refresher. It will provide an overview of geoscience information and current topics in reference, research, and publications; collection development; and geospatial information. Additional topics may include solo librarianship, STEM research/library services in the oil and gas industry, and trends in scholarly communication for Earth sciences. Participants are encouraged to bring their own questions and issues for discussion.

A team of six experienced geoscience librarians will lead the seminar: Amanda Bielskas (Columbia University), Linda Zellmer (Western Illinois University), Stephanie Earls (Washington Geological Survey), Samantha Teplitzky (University of California, Berkeley), Mary Ellen Vedas (Hess Technical Library), and Emily Wild (Princeton University).

Geoscience Librarianship 101 is jointly sponsored with Indiana University - Purdue University Indianapolis (IUPUI) and will be held in the University Library.

Advance registration is required and space is limited. Registrations must be received by October 20. To sign up or request additional information, please provide your name, daytime contact information, and professional (work/school) affiliation to the seminar coordinator: Clara P. McLeod, e-mail cpmcleod@wustl.edu.

New Geoscience Open Access Publications & OA News

By Shaun Hardy, Carnegie Institution for Science



Volcanica

Website:

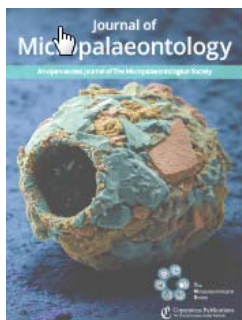
<https://www.jvolcanica.org/>

Volcanica, the world’s first “diamond” OA volcanology journal, was launched on July 31. The

journal is both free to read *and* free for authors to publish in, thanks to a large team of community-based volunteers and financial backing from Presses universitaires de Strasbourg, France. Its scope spans “all aspects of volcanology, including physical phenomena and their impact on society, health, and the environment.” In a thoughtful editorial (Farquharson, J. and Wadsworth, F.,

“Introducing Volcanica,” vol. 1(1), pp. i-ix, doi:10.30909/vol.01.01.i-ix) the editors present evidence-based justification for starting a new journal, demonstrating that the majority of the world’s volcanology literature is currently inaccessible without paying subscription fees. Unlike other research-sharing approaches in the discipline like the *PubVolc* database and preprint servers like *EarthArXiv*, *Volcanica* offers authors rigorous peer review and editorial oversight. To their credit, the journal’s managers are depositing all content in CLOCKSS to ensure its long-term preservation and accessibility. The editors also make a compelling case for their economic model, showing that a high-quality journal can indeed be published with minimal direct costs; however,

they caution that upscaling may bring substantial challenges. *Volcanica* is an innovative project that will be worth watching in the years ahead.



Journal of Micropalaeontology

Website: <https://www.journal-of-micropalaeontology.net/>
Journal of Micropalaeontology, published for many years by the Geological Society

of London, converted to OA in 2018 and is now published by Copernicus Publications. Pre-2018 content remains accessible in GSL’s Lyell Collection as well as being free to access on the Copernicus platform. The journal covers all aspects of microfossils and their application to paleoceanography, paleoclimatology, paleobiology, evolution, taxonomy, and environmental change. Articles are published under a Creative Commons Attribution 4.0 license. Article processing charges range from 55 to 70 Euros per page, depending on the manuscript submission method chosen and whether or not the author is a member of The Micropalaeontological Society.



iScience

Website: <http://www.cell.com/iscience>
iScience is an interdisciplinary OA journal that was launched by Cell Press, an imprint of Elsevier, in January of this year. The journal aims to

publish original work in the life, physical, and earth sciences that “stimulates interdisciplinary thinking.” However, while its scope specifically mentions climate science, atmospheric science, hydrology, and solid earth science, no contributions in those fields appear among the ~150 papers published to date. Content has so far been dominated by molecular and cellular biology, bioengineering, and materials science. The journal uses a continuous publication model,

posting papers within 2-4 days of acceptance; final, copyedited versions appear in 10-12 days. CC-BY and CC-BY-NC-ND licenses are offered. The APC is \$3,000.



Journal of Geophysics and Engineering

Website: <https://academic.oup.com/jge>
Journal of Geophysics and Engineering (<http://iopscience.iop.org/journal/1742-2140>) – published since 2004 by

IOP Publishing in partnership with the Sinopec Geophysical Research Institute (Nanjing, China) – will flip to Open Access in 2019 and move to the Oxford Academic platform. . The journal focuses on applied sciences connected with petroleum engineering; oil, gas, and mineral exploration; reservoir geophysics; geophysical instrumentation, sensors, software, and drilling technology.



AGU Advances

On August 22 the American Geophysical Union announced the launch of a new, Gold OA journal to be called *AGU Advances* (<https://publications.agu.org/agu-advances/>). The journal will be highly selective, publishing at most around 150 papers a year, and will focus on publishing “novel, influential research that has broad and immediate implications” not only for geophysicists but across the Earth science community. *AGU Advances* will consist of both full-length papers and letters-length contributions. Content will be enriched with open access commentaries. The inaugural issue is planned for late 2018 or early 2019.

Regional geoscience journals: In September, De Gruyter announced 70 OA journals formerly hosted through De Gruyter Online have “triggered” and will henceforth be accessible only through the Portico archive. Among them are *Geologija* (Lithuanian Academy of

Sciences/Vilnius University) and *Geoinformatica Polonica* (Polish Academy of Arts and Sciences).

Other news: Advocacy for Open Access in Europe took a dramatic step forward on September 4 with the announcement of “Plan S” by eleven national funding agencies, it was reported in *Nature* (Else, H., “Radical open access plan could spell end to journal subscriptions”, doi: 10.1038/d41586-018-06178-7) and *Science* (Ensering, M., “European science funders ban grantees from publishing in

paywalled journals”, doi: 10.1126/science.aav3093). The U.K., France, and the Netherlands are among the signatories. Under Plan S, recipients of research grants are banned from publishing in hybrid OA journals or in any journal that puts an embargo period on public access to content. The new mandate requires immediate access to funded research and is set to take effect in 2020. It expresses no position on self-archiving, or Green OA, other than acknowledging the importance of Green repositories.

Announcement: Virtual Reality Center at Penn State Earth and Mineral Science Library

By Elise Gowen, Earth and Mineral Science Librarian, Penn State

The Earth and Mineral Sciences (EMS) Library at Penn State University has recently opened its new Virtual Reality (VR) Center to the public. The center houses a HTC Vive Pro Headset, controllers, and a large swiveling viewing monitor to allow group members inside and outside the VR center to see the experience second-hand. Room booking is conducted through the LibCal application from SpringShare.

The VR Center is focused on providing an interdisciplinary virtual reality space for faculty and students in the college of Earth and Mineral Sciences, and also provides virtual reality services to STEM disciplines across campus. The Center offers a collection of commercially produced software as well as software created by faculty and students at Penn State and other universities, with a particular focus on earth science virtual experiences. One of the faculty-created programs is a virtual field trip to Pennsylvania’s Bald Eagle and Reedsville Formation. Until this year, the site was a field trip destination for all students of the introductory physical geology course in the Geosciences department. When the field trip site was closed this year due to traffic construction, Geosciences faculty member Peter LaFemina

decided to substitute the virtual field trip of the site. Starting in mid-October, the EMS Virtual Reality Center will host students of the class completing the virtual field trip module, giving all of the students a chance to experience the field trip, using virtual measurement tools to complete their assignment.

Virtual reality and 360° video present many opportunities for instruction and research in the earth science disciplines, and faculty and students at Penn State are currently developing more virtual reality experiences. The library will be responsible for making these applications available to users through the Virtual Reality Center, and is currently developing programming to promote virtual reality services at the library. In addition to VR applications developed at Penn State, the virtual reality center offers STEM-focused VR experiences such as CalcFlow, Universe Sandbox 2, and the Stanford Ocean Acidification Experience.

If any other members of GSIS have experience in collecting or supporting earth science applications in virtual reality or are interested in discussing this topic in more depth, please feel free to contact me at edg16@psu.edu.

GSIS Exhibit Committee Report

By Linda Zellmer

The GSIS Exhibit Committee (Linda Zellmer, Lisa Dunn) reported on the results of the “How do you spot Fake Science” interactive part of the exhibit from last year in the December, 2017 newsletter. The booth will continue with the Fake Science theme again this year. We are adapting IFLA’s How to Spot Fake News poster [<https://www.ifla.org/publications/node/11174>], which is based on FactCheck.org post on the topic [<https://www.factcheck.org/2016/11/how-to-spot-fake-news/>] to create a How to Spot Fake Science poster. The poster has a CC BY

4.0 license, so we will credit both IFLA and FactCheck.org. The CRAAP test will also be incorporated into the exhibit. Links to class assignments that apply evaluation skills will also be included.

To save money, this year and in the future, GSIS has bought two black fire-retardant tablecloths for the booth tables, because skirted tables cost more than twice as much as plain tables. They will travel with the booth. GSIS also bought some plastic sign holders so that we can highlight the award winners in the booth.

GSIS Guidebook Committee Annual Report

By Linda Musser

The Guidebooks Committee continues to gather information on new guidebooks to share with *GeoRef* and to add to the free *Geologic Guidebooks of North America Database*. A list of recently published guidebooks will be published in the December issue of the *GSIS Newsletter*. The *Guidelines for Authors, Editors,*

and Publishers of Geologic Field Trip Guidebooks was twice revised. A proposal for a web archive for guidebooks was approved at one of our members’ institutions; we are monitoring developments and await further information. The committee solicited award nominations from over 50 organizations and selected the following award winners.

2018 Best Guidebook Award: *Field guide to the geology of Northeastern Oman*. By Gösta Hoffmann, Martin Meschede, Anne Zacke, Mohammed Al Kindi. Stuttgart : Borntraeger Science Publishers, 2016.

2018 Best Guidebook - Honorable mention: *Rocks, ridges, and rivers: geological wonders of Banff, Yoho, and Jasper National Parks: a roadside tour guide*. By Dale Leckie. Calgary, Alberta: Broken Poplars, 2017.

2018 Best Guidebook Award (Popular category): *Roadside geology of Nevada*. By Frank DeCourten and Norma Biggar. Missoula, Montana: Mountain Press Publishing Company, 2017.

2018 Award for Outstanding Geological Field Trip Guidebook Series: *New England Intercollegiate Geological Conference*

2018 GSIS Mary B Ansari Best Research Resource Award Winner

By Rustin Kimball

On behalf of the GSIS Best Research Resource Award Committee, I am pleased to announce that the winner of the 2018 GSIS Mary B. Ansari Best Research Resource Award is:

Salt Tectonics - Principles and Practice

Martin P. A. Jackson and Michael R. Hudec

ISBN: 9781107013315 (Print) 9781139003988 (Electronic)

<https://doi.org/10.1017/9781139003988>

Published: 2017

<https://www.cambridge.org/core/books/salt-tectonics/446C8E30E32056FC371BEE9A807D9792>

GSIS Best Reference Work Award Committee: Rusty Kimball (Chair), Amanda Bielskas, Bridget Thrasher, Mary Ellen Vedas

2018 GSIS Best Paper Award: Samantha Teplitzky

By Kay Johnson, Chair, 2018 GSIS Best Paper Committee

The committee is very pleased to announce that Samantha Teplitzky is winner of the 2018 Best Paper Award of the Geoscience Information Society. Her paper, “Open data, [open] access: linking data sharing and article sharing in the Earth Sciences,” was the consensus winner of the reviewed articles for its well-written analysis on a topic of current interest, adding an important addition to the scholarly literature in geoscience information. The article can be accessed at: <https://jls-public.org/articles/abstract/10.7710/2162-3309.2150/>

Sam is the Earth and Physical Sciences Librarian at UC Berkeley and acts as the liaison to the departments of Physics, Astronomy and Earth & Planetary Science. She is active in GSIS and serves on the current Executive Board as Secretary. We will be privileged to learn more about Sam, meet her, and congratulate her in person at the upcoming GSIS Awards Luncheon at GSA 2018 in Indianapolis, November 5 (Monday), noon to 1:30.

A big thanks goes to Bob Tolliver, Michael Noga, Carl Olson, and Elise Gowen for serving on the Best Paper Committee.

Congratulations, Sam!



JLSC Journal of Librarianship and Scholarly Communication

Reading: Open data, [open] access: linking data sharing and article sharing in the Earth Sciences

Share: [f](#) [t](#) [g+](#) [in](#)

Research Article

Open data, [open] access: linking data sharing and article sharing in the Earth Sciences

2018 Mary B. Ansari Distinguished Service Award: **Linda Musser**

By Louise Deis

The 2018 recipient of the Mary B. Ansari Distinguished Service Award from the Geoscience Information Society (GSIS) is Linda Musser. The Award recognizes significant contributions to the field of geoscience information and will be presented at the GSIS/Geoinformatics Joint Awards Program & Evening Reception at the Annual Meeting in Indianapolis in November.

Linda is Distinguished Librarian and Head of the Fletcher L. Byrom Earth and Mineral Sciences Library at Pennsylvania State University, University Park, PA. She has been a member of GSIS since 1990.

Linda has served our Society in numerous capacities, beginning with editing reviews for the Newsletter in the 1990s. She then co-chaired the Preservation Committee and convened the Preservation Forums held at our Annual Meetings. In 2002 she spearheaded the establishment of the GSIS Task Force on Citation of Geoscience Data. She was elected Vice-President/ President-Elect in 2004 and served as President the following year. As chair of the Guidebooks Committee Linda oversaw the 2015 and 2018 revisions of the Guidelines for Authors, Editors, and Publishers of Geologic Field Trip Guidebooks as well as the inauguration of a new award, the Outstanding Geologic Field Trip Guidebook Series Award in 2015. She currently serves as the GSIS

representative on the AGI's GeoRef Advisory Committee.

Linda's professional interests are far-ranging and she has authored or co-authored more than 55 publications. She has championed standards for the quality, discoverability, citation, and preservation of geoscience publications – in particular, field trip guidebooks – and of geoscience data. Under her leadership, the Task Force on Citation of Geoscience Data produced a website with specific suggestions on how to cite unpublished materials like datasets and geoscience collections. Linda promoted awareness of these through direct outreach to peer organizations, including the Association of Earth Science Editors and the Council of Science Editors. A resulting study, "Progress in the Citation of Geoscience Data" was published in the 2010 GSIS Proceedings and earned Linda the 2010 Best Paper Award. She is, in fact, a three-time winner of that award – a record that has yet to be surpassed.

In addition to her involvement with GSIS Linda is active in the engineering and atmospheric science library communities.

On behalf of the Mary Ansari Distinguished Service Committee, Clara McLeod and Ed Lener, we congratulate you, Linda, on this highly-deserved award!

Congratulations to AGI and GeoRef! GeoRef director Sharon Tahirkheli and associate editor Afifa Kechrid (shown here with Joe Lilek, AGI's communications manager and member society liaison) proudly show off GeoRef's newly-renovated library at the AGI Community Open House in Alexandria, VA on August 2. The gala event celebrated AGI's 70th birthday and the opening of its sparkling new headquarters. GeoRef marked another milestone just three weeks earlier - the addition of the *4-millionth* reference to the database!



Photo Credit: Shaun Hardy

Emily Wild recently joined Princeton University's Lewis Science Library as Chemistry & Geosciences Librarian. From 2008 to 2018, Emily was a Librarian (Physical Scientist) at the U.S. Geological Survey Denver Library, and from January 1996 to July 2008, she was a U.S. Geological Survey hydrologist (water use, groundwater, surface water, and water quality) in the New England states. Please feel free to contact her for any geoscience information/data/imagery tricks and tips at ewild@princeton.edu or 609-258-5484

The Columbia University Geology Library, closed permanently in May, 2018 in order to convert the space into the new Irving Institute for Cancer Dynamics. Library services supporting students, faculty, and researchers were relocated to the Science & Engineering Library in the Northwest Corner Building. Amanda Bielskas remains the primary library liaison for the Earth and Environmental Sciences. Geology Library was established in 1912. Some material was moved to the Science & Engineering Library, the main stacks collections are currently accessible via a paging service until the collections are processed and sent offsite to the shared ReCap facility.

CRS Reports – The Congressional Research Service Reports will be available freely online to the public as well as members of Congress, per an announcement on Sept.17, 2018 from the Library of Congress. As time allows, previously published reports will also be included (<https://crsreports.congress.gov/>) CRS reports provide a legislative perspective on varied topics. Along the earth sciences front, topics range from energy issues (oil, gas, etc.), water (floods, supply, etc.), earthquakes, and climate change.

HathiTrust Research Center – The HTRC announced that researchers from member institutions will now be able to perform textual and other analyses on the full corpus of the 16+ million works in the HathiTrust. Previously, analyses were limited to non-copyrighted materials. (<https://www.hathitrust.org/htrc>)

GSIS Election Results are in! Cynthia Prosser will be our next president-elect, and Stephanie Earls will be our next secretary. Thank you to all who volunteered to serve, and continue to serve the GSIS.

2018 Geoscience Information Society Annual Meeting Schedule

November 3 - November 7, Indianapolis, Indiana

Saturday, Nov 3

- 9:00-4:00 Geosciences Librarianship 101
Indiana University-Purdue University Indianapolis
- 5:30-7:00 Early Bird No-Host Dinner
The Rathskeller, 401 E. Michigan St, Indianapolis, IN

Sunday, Nov 4

- 8:00-9:00 GSIS Executive Board Meeting
JW Marriott Indianapolis, Room 102
- 9:00-12:00 GSIS Business Meeting
JW Marriott Indianapolis, Room 102
- 12:00-1:30 GSIS Mentoring Lunch (open to formal or informal mentoring)
JW Marriott Indianapolis, Meet at Room 102
- 1:30-4:30 GSIS Field Trip: Indiana State Museum & Eiteljorg Museum
JW Marriott Indianapolis (meet at Main Lobby)
- 5:00-7:00 GSA Exhibit Opening Reception
Indiana Convention Center, Hall I

Monday, Nov 5

- 9:00-11:00 GSIS Walking Field Trip: Indiana State Library & Indianapolis Public Library
JW Marriott Indianapolis (meet at Main Lobby)
- 12:00-1:30 GSIS Luncheon & Publication Awards
JW Marriott Indianapolis, Room 102
- 3:00-5:00 GSIS Vendor Update/Information Resources Session
JW Marriott Indianapolis, Room 108
- 5:00-7:00 Friends of AGI Reception
JW Marriott Indianapolis, White River Ballroom Section A

Tuesday, Nov 6

- 9:00-6:30 GSIS Poster Session (T25) – Posters Available for Viewing
Geoscience Information Needs in Education and Research
Indiana Convention Center, Halls J-K
- 11:30-1:00 GSIS Common Read and Lunch
Quakeland: On the Road to America's next Devastating Earthquake (K. Miles)

Meet at the GSIS posters in the Indiana Convention Center, Halls J-K

- 12:15-1:15 USGS Vision Presentation, James Reilly, USGS Director (also on Livestream via GSA)
Indiana Convention Center, Sagamore Ballroom 5
- 1:00-3:30 GSIS Professional Issues Roundtable
JW Marriott Indianapolis, White River Ballroom Section A
- 4:30-6:30 GSIS Poster Session (T25) - Presenters at Posters
Geoscience Information Needs in Education and Research
Indiana Convention Center, Halls J-K
- 7:00-9:00 Geoinformatics Division and Geoscience Information Society Joint Reception
Presentation of the Mary B. Ansari Distinguished Service Award
JW Marriott Indianapolis, Room 104

Wednesday, Nov 7

- 9:00-6:30 Geoinformatics Poster Session (D46) – Posters Available for Viewing
Advances in Geoscience Data, Delivery, and Use - Geoinformatics
Indiana Convention Center, Halls J-K
- 4:30-6:30 Geoinformatics Poster Session (D46) – Presenters at Posters
Advances in Geoscience Data, Delivery, and Use - Geoinformatics
Indiana Convention Center, Halls J-K

Contact:

Chris Badurek, Program Facilitator
badurek@gmail.com

GSA Annual Meeting 2018 – Non-GSIS Sessions of Interest

By Michael M Noga

Here are some sessions to check out at GSA when you are not attending GSIS events.

SUNDAY, 4 November 2018: 1:30-5:30 PM – both talks and posters

P1. EARTH AS A BIG PUZZLE: ADVANCING INFORMATION FRONTIERS IN GEOSCIENCE,
Halls J-K (Indiana Convention Center)

1:40 From Punch Cards to Mobile Apps: a Geologist's 40 Year Adventure in Computing

Other talks on mobile applications and data collecting, data discovery, and access.

SUNDAY, 4 November 2018: 1:30-5:30 PM

T73. BEYOND PRETTY PICTURES: THE ROLE OF PHOTOGRAPHY IN PROMOTING
UNDERSTANDING AND LEARNING IN THE GEOSCIENCES

Room 234 (Indiana Convention Center)

SUNDAY, 4 November 2018: 1:30-5:30 PM

T91. EVOLUTION OF PALEONTOLOGICAL ART
Room 233 (Indiana Convention Center)

MONDAY, 5 November 2018, 8:45 AM – 12 PM

72 Late Breaking Session: KILAUEA 2018: GEOSCIENCE AND COMMUNICATION DURING A
HIGH PROFILE NATURAL EVENT
Indiana Convention Center - Sagamore Ballroom 5

MONDAY, 5 November 2018, 8 AM- 12 PM

74: DECLINING ENROLLMENTS IN U.S. UNDERGRADUATE GEOSCIENCE
PROGRAMS: HOW DID WE GET HERE AND HOW DO WE GET OUR GROOVE BACK
Indiana Convention Center – Room 234

TUESDAY, 6 November 2018, 8 AM- 12 PM

159: T83 BEYOND THE NUMBERS: STRATEGIES FOR INCLUSIVE EDUCATION PRACTICES
ACROSS THE GEOLOGICAL SCIENCES II
Indiana Convention Center – Room 234

WEDNESDAY, 7 November 2018, 8:00-12 PM

227: THE TWENTY-FIRST-CENTURY GEOSCIENCE WORKFORCE: WHAT IS IT? WHO IS IN
IT? WHO IS MISSING?
Indiana Convention Center – Room 145

WEDNESDAY, 7 November 2018, 8:05-8:20 AM

242-1 THE GEOLOGY OF COLOMBIA: A JOURNEY THROUGH THE GEOLOGICAL HISTORY
OF COLOMBIA
Indiana Convention Center – Room 243



GSIS 2017 Business Meeting Minutes 10/22/17

Introductory Remarks

1. **Call to order**
2. **Attendee List [22 attendees]**
 - a. Matt Hudson, Sam Teplitzky, Chris Badurek, Lori Tschirhart, Louise Deis, Mea Warren, Bob Tolliver, Rusty Kimball, Stephanie Earls, Amanda Bielskas, Clara McLeod, Bridget Thrasher, Afifa Kechrid, Lura Joseph, Judie Triplehorn, Michael Noga, Shaun Hardy, Linda Zellmer, Monica Pereira, Cynthia Prosser, Lisa Dunn
3. **Welcome and general introductions [Matt Hudson, past president]**
 - a. Welcome to Seattle, another full meeting. Thank you to Chris for organizing tech sessions, Bob for organizing meetings, and Clara for GL101.
 - b. Hannah's absence: Hannah was supposed to be our president this year but ran into some complications. She took a leave of absence from GSIS this year. Bob Tolliver and I filled in for her. We did not formerly replace her since it wasn't clear if she would be able to return to duty or not.
 - c. President-Elect (2017), Bob Tolliver
 - d. President-Elect (2017), Chris Badurek
 - e. As noted, Chris has also been the tech session coordinator. He may stay in that role. Remains to be determined.
 - f. Treasurer, Lori Tschirhart; Treasurer-elect (start date 1 January), Bridget Thrasher
 - g. Secretary, Samantha Teplitzky
4. Approval of agenda
 - a. Amendments
 - i. Matt proposed amendment to include break at 10:30
 - ii. Lori amendment to add topic about adding signers to GSIS bank account
 - b. Minutes approved by Linda Z, seconded by Monica P, approved by all
5. Approval of 2016 minutes
 - a. Amendment
 - i. Clara thanks last years' GL101 hosts Gail Bradbeer
 - b. Linda Z approved minutes, seconded by Lisa D

Executive Board and Appointed Position Reports

1. **Past President report (Matt)**
 - a. Nominations and elections:
 - i. Matt organized nominations. We had 31 response, lower than normal, but we only had 1 candidate for each position.
 - ii. Thanks to Chris as incoming vice president starting today, Bridget as Treasurer to begin November 1.
 - iii. Reminder that nominations are an annual need. Consider serving next year.
 - b. Service positions. We have many unfilled representatives and appointments. Also, many of you are scheduled to rotate off various committees. Please take a moment to look at the list being circulated and make updates as necessary.
 - c. Proceedings

- i. Volume 44 has been published. This volume covers 2013-2016. Matt finished compiling proceedings and has shared with Rusty to add to archive.
 - d. GSIS owns 100 ISBNs. They have been added to the presidential handbook. Many years ago GSIS bought 100 ISBNs. Since then we have used 38 of them, but we have not registered an ISBN for a Proceeding volume since 2007. Working on backfilling this.
 - e. Webinars planned for future, didn't happen this year
 - f. DC incorporation. Status renewed this year quickly and promptly. We will need to file again in 2 years. Thank you to Shaun for acting as our registered DC agent.
 - g. Website domain renewed for the next two years.
- 2. Vice president report (Bob)**
- a. Thanks to Amanda and Michael for taking over newsletter.
 - b. \$6250 in sponsorship for meeting
 - c. AGU, GSA, GSL, GSW, Society for Exploration Geophysicists will be presenting at vendor update.
 - d. Mentor lunch - informal to take place after business meeting
- 3. Treasurer's Report (Lori)** We are in good shape! But we still have too much money.
- a. **10/22/17 Balances**

Checking	\$21,138.08
Savings	\$9,709.56
General Fund	\$25,880.29
Ansari Distinguished Service	\$6,553.19
Ansari Best Resource	\$7,353.65
Pooled Sponsorship	\$4,315.54
Professional Development	\$1,669.67
TOTAL	\$76,610.96

- i. Total at 2016 Business Meeting: 69,902.12
 - ii. Checks received, to be deposited:
 - 1. \$1,715 GSA 2016 awards dinner registration collected
 - 2. \$50 Institutional dues LM Information Delivery
 - 3. \$750 SEG sponsorship
 - 4. **Total: \$2,515**
- b. Treasurer Books Audit Progress
 - i. 10/9/17 Angelique Jenks-Brown confirmed that she was still in possession of the 2015 books, agreed to complete the audit and have the books back to me before December 2017.
 - ii. 7/13/17 Patricia Yocum agreed to audit books for 2016, 2017. She is local to Ann Arbor, so it will be less onerous to provide and collect the books.
- c. **2017 Sponsorships**

AAPG Datapages	\$ received
American Geosciences Institute (AGI)	750 (not received yet)
American Geophysical Union (AGU)	\$ 1000 received
Elsevier	\$500 (not received yet)
Gemological Institute of America (GIA)	\$750 received
Geological Society of america (GSA)	\$750 received
Geological Society of London (GSL)	\$ received
GeoScienceWorld (GSW)	\$750 received
SEPM (Society for Sedimentary Geology)	
Society of Economic Geologists (SEG)	\$250 received
Society of Exploration Geophysicists (SEG)	\$250 (not deposited)
Springer	\$500 (not received yet)
Total Sponsorship Rec'd for 2017 conference:	\$- thank you sponsors!

d. Concerns:

- i. 2016 Annual Meeting Awards Dinner - costs exceeded estimate by significant amount due to Broker Restaurant allowing attendees to order off-menu items and alcoholic beverages beyond drink tickets. Future special events should be done differently to avoid this.

e. Recommendations:

- i. **Eliminate Institutional Membership category.** Currently have \$400 Ebsco check representing institutional dues for 4 organizations that overpaid. Human error has meant that the check has twice been written for the wrong amount. Institutions may still support the society via unrestricted gifts. I'd like the society to consider contacting these institutional dues members and tell them that institutional dues are being eliminated and checks will be returned.

ACTION: Eliminate Institutional Membership Category for 2018 Renewal. Plan to contact EBSCO/other subscription managers. [Sam]

1. Comments: Shaun - "we appreciate the institutional support of our members". Communication plan necessary. Organizations have historically wanted access to our membership directory. We have sold the list to corporate buyers in previous years.
- ii. **Eliminate Pooled Sponsorship designation.** Let's spend down and eliminate this separate fund. The intent is noble. In practice, it just adds a layer of administration and the money never gets spent down. We only received \$10 in contributions last year. We can still sponsor people's membership and travel intentionally via the general fund.
- iii. **Eliminate Professional Development fund.** Let's spend down and eliminate this separate fund. The intent is noble. In practice, it just adds a layer of

administration and the money never gets spent down. We received little in contributions last year. We can still sponsor people's membership and travel intentionally via the general fund.

1. Comments to both proposals:
 - a. Offer to GL101 participants
 - b. Offer conference registration
 - i. Proposal offering lottery for members
 - ii. Consider Requirements -- presenting, contributing
 - c. Reimburse members for abstract fees or GL 101 instructors for lunch
 - d. Fees for webinar?
 - e. Fund a member who has never attended, member who is presenting
 - f. Avoid international focus, too complicated
 - g. Target members who are active on committees but haven't traveled to meeting

ACTION: Send additional feedback to Lori. Board to announce one-time recommendations for spend down. Sam to coordinate with membership committee to eliminate those categories on renewal form.

Comments and Suggestions: Travel scholarships, support/reimbursement for geoscience 101 instructors, presenter abstract fees.

- iv. Propose giving **lifetime membership to retirees.**

ACTION: Sam to invite retirees to "register" for free lifetime membership during next renewal period.

- v. Move to **online only pay** for personal dues - and corresponding proposal to offer lifetime membership to longtime dues paying members with current retiree status, and new retirees as that happens.

ACTION: Start with lifetime membership offer this year, and reassess check burden following year.

- vi. Modify annual dues renewal process to designate membership year.

ACTION: Membership Committee Chair to indicate membership year and membership period on updated renewal form [and google form].

f. Outstanding concerns:

- i. Still awaiting 1 outstanding invoice for 2015 conference sponsorship - GeoFacets - Invoice 15-07 dated 9/9/15.
- ii. Reimbursement still owed to Clara McLeod for 2016 Geoscience Librarianship 101 expenses (documentation never arrived).
- iii. Approval required to be reflected in business meeting minutes:
 1. Chase Bank Check Signing rights to Bridget Thrasher (2018-19 Treasurer) and Sam Teplitzky (2017-18 Secretary)
 - a. Debit cards for Bridget Thrasher and Sam Teplitzky
 - b. It is important for 2 members of the Executive Board to have access to bank accounts. Except in extraordinary circumstances, only the Treasurer will use the debit card or cut checks.
 - c. Both need signing rights since 2 signatures are required on checks currently.

- d. In future years, checks should be changed to only require one signature - 2nd signer does not really create safety since 2nd signer could withdraw bank accounts.
- iv. Sustainability of Society - It is my opinion as Treasurer that the Society would benefit immensely from becoming a division of GSA. The administrative burden of the Executive Board is very high, and though in my opinion everyone is very dedicated and organized, we collectively are challenged to conduct administrative tasks on time and it is a threat to our future.

ACTION: None. Hold this for now. We are taking steps to streamline administrative workflows.

- v. Membership checks will now be sent directly to Treasurer, Treasurer will share membership forms and checks received with Secretary monthly along with monthly PayPal statements.

ACTION: Change membership materials [renewal form and google form] to reflect new destination for membership checks.

- vi. In progress: Concise Treasurer's guidebook for future treasurers. ETA December 2017.
- vii. Suggestion: move membership to a more prominent place on website
 - 1. **ACTION: Matt to ask Courtney to make change**

4. Secretary's report (Sam Teplitzky)

- a. Membership: 89 personal members + 11 institutional members
 - i. 7 members dropped
 - ii. About 10 new members (some are lapsed members rejoining)
 - iii. 4 institutional members dropped, but all switched to personal
- b. 384 geonet subscribers, 1 out of 4 subscribers are GSIS members
- c. Affiliation breakdown:
 - i. 47% academic
 - ii. 16% retired
 - iii. 14% government
 - iv. 10% publishers/AGI
 - v. 8% other - students, etc.
 - vi. 4% oil/mining/energy corporations
- d. Our membership committee tried targeting Pacific Northwest based librarians ahead of the 2017 Seattle conference. We turned to a combination of library websites and libguides to target these geoscience librarians. I think this would be good practice going forward to solicit interest in GL101 as well as the conference.
- e. Concluding thoughts: Are we missing potential members? Perhaps a small handful, but overall no. The pool of potential members is small at this point.

5. Topical Session Convener (Chris Badurek)

- a. Session on Wednesday, first part state government; second part GSIS
- b. Tuesday - poster session 9:30-11:30
- c. Joining with Geoinformatics group for reception
- d. Encouraging people to present; have theme prepped at current meeting to get feedback for next
- e. Proceedings - diversity of products welcome in the proceedings
 - i. Standard means of citation

ACTION: Possible formation of Scholarly Communications Committee to handle proceedings

6. Webmaster report (Matt on behalf of Courtney Hoffner)

- a. Domain renewed
- b. Google analytics on site; US dominant source of site traffic
- c. Time to reinvest in website/design

ACTION: No immediate action, but consider redesign in medium term.

7. Geoscience Librarianship 101 (Clara McLeod)

- a. Held at University of Washington 10/22/17, hosted by Matt Parsons. Many thanks to Matt for arranging breakfast
- b. 19 registrants; 15 attended; 5 inquiries about webinar/online content access
- c. Thanks to Shaun who served as PR
- d. Thanks to Matt and Bob for their help
- e. Thank you to instructors: Emily Wild, Stephanie Earls, Linda Zellmer, Amanda Bielskas, Samantha Teplitzky

8. Newsletter report (Amanda Bielskas and Michael Noga)

- a. Send your submissions!

9. BREAK

10. Committee Reports

- a. Membership
 - i. Sam's initiated search for potential members and attendees in the Pacific Northwest
 - ii. Committee talked about how to make new members welcome
 - 1. Developed new member's welcome letter and solicitation letter for new members
 - iii. Initiated common read to create camaraderie.
 - iv. Brochure updated with Bob's information.
- b. Guidebooks - Winners of the 2017 Award:
 - i. Roadside geology of Southern California
 - ii. Guidebook to the Geology of Barringer Meteorite Crater, Arizona
 - iii. Series - GSA field guides
- c. Exhibits
 - i. Linda Zellmer requests attendees use sticky notes to write brief description of how you identify fake science.
- d. Distinguished Service Award
 - i. Clara thanked Louise Deis and Edward Lener for their service on the committee. Requested that people start to think about nominees earlier in the year.
- e. Best Research Resource Award
 - i. Encyclopedia of Marine Geosciences
Editors: Harff, J., Meschede, M., Petersen, S., Thiede, J.
ISBN: 978-94-007-6237-4 (Print) 978-94-007-6238-1 (Electronic)
Published: 2016
<http://www.springer.com/us/book/9789400762374>
- f. Best Paper Award
 - i. Birgit Schmidt, Birgit Gemeinholzer and Andrew Treloar have been awarded GSIS Best Paper for their paper entitled 'Open Data in Global Environmental Research: The Belmont Forum's Open Data Survey, published in PLOS ONE, vol. 11, issue 1, pages 1-29.

11. Discussion #1: Vendor Update format

- a. Policy to charge vendors \$750-\$1,000 to present at meeting

- i. How to give GeoRef, or other non-profits an opportunity to present without sponsoring? Most in favor of opening up the forum to more presenters, but must be balanced against paying vendors
 1. Proposal to allow non-paying vendors at vendor session
 2. An additional information resource session could be created to include these other presenters.

ACTION: Proposal for longer session with break to distinguish between established paying resources and non-profit/educational/start-up enterprises

12. Discussion #2: Future of GSIS

- a. Concern about long term stability of group
- b. Membership numbers have stabilized, but activities are limited to small group of volunteers
- c. Board occupied with administrative details. Would it help to become a GSA Division? Board has realized this isn't a viable option. Dues would increase.
- d. How can we solicit more members, get more participation?
 - i. Proposal for web conference, potentially with Australian counterparts
 - ii. In the past there was sponsorship of attendees to international conference on geoscience information. Is this still viable?
 - iii. Sponsored field trip idea

ACTION: No immediate action, but be on the look out for ideas and potential collaborations.

13. Other business: possibility of scholarly communications committee to help people workshop their proceedings papers. **ACTION: Board will discuss.**
14. Discussion of open committee liaison spots. Clarification of roles was discussed and additional volunteers enlisted.
15. Additional topic: informal meeting at AGU when it's in DC. **ACTION: Shaun will take steps to plan and share information.**