

newsletter

Number 264, December, 2014

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President's Column

By Emily Wild

Thank you all for participating in the Geoscience Information Society (GSIS) activities this year! I have really appreciated and enjoyed how involved everyone in the group has been in the listsery discussions and information dissemination, society activities, annual meeting sessions, and all the other activities during 2014. I have been getting to know everyone much more over the past year by e-mail, phone, and(or) in-person, and have valued the discussions from former and current executive board members, committees, and other coordinators involved in the information knowledge exchanges. I think my favorite part about working with this group is how everyone is always helping each other. We all help people and wear many hats at our respective libraries. publications, and centers; yet, everyone makes time for each other. I think that is a cool and unique quality within the society.

I am sorry not everyone had chance to make it to the annual meeting this year. I am working on scheduling a few online sessions through work at the U.S. Geological Survey (USGS) so we can meet virtually a few times during the year as a large group, as well as smaller groups or individually with me. My colleagues at the USGS were excited at the enthusiasm and knowledge within the GSIS, so I would like to take the opportunity this year to collaborate more on information exchange sessions between the USGS and GSIS, as well as within the GSIS community so we can all talk more about access and availability to geoscience data and publications, as well as from the USGS and other Federal information and data sources.

A few "thank you." First and foremost, thank you Bonnie Swoger for all her work as Editor on the *GSIS Newsletter*!

Additionally, thank you to:

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President's column, cont.

- All the volunteers and organizers of the GSIS conference exhibit; many people were interested in learning more about the CRAPP test and the GSIS awards.
- All committee members that work enthusiastically to create the heart and soul of GSIS.
- All the new members of GSIS; please ask any of us questions, helping is how we roll.
- Carolyn Bishoff (Treasurer), Amanda Bielskas (Immediate Past President), Cynthia Prosser (Immediate Past Secretary), and Hannah Winkler (technical session coordinator/advocate) for helping me navigate the organization of the 2014 conference in Vancouver, B.C., Canada, as well as providing friendship and colleague advice/discussions.
- Dorothy McGarry, Connie Manson, Linda Musser, Lura Joseph, Rusty Kimball, Lisa Dunn, and Joni Lerud-Heck for providing insight to the history of GSIS.
- Amanda Bielskas for providing so much information and direction while President
- Louis Deis for continuing to be the GEONET moderator and taking a new role as GSIS Secretary.
- Shaun Hardy for taking photos at the conference and contributing to many other activities throughout the year.
- Courtney Hoffner and Bonnie Swoger, and others for working and contributing to the web site and wiki pages.
- Matt Hudson for joining the Executive Board as Vice President (President-Elect)
- Kevin Lindstrom and staff at the University of British Columbia for hospitality at UBC and additional information about the beautiful city of

- Vancouver, B.C., Canada.
- Richard Huffine for contributing to GSIS discussions, managing GSIS publications, and hiring me so I can be where I am today, a science librarian at the USGS.
- John Hunter for providing advice and contributing much heart into the GSIS community.
- Clara McLeod for coordinating and advertising the Geoscience Librarianship 101 (GL 101) workshop.
- Michael Noga for leading the GSIS professional issues roundtable discussions, as well as contributing to many other activities throughout the year.
- Hannah Winkler for organizing the two oral technical sessions and poster session, as well as teaching a session at the Geoscience Librarianship 101.
- Linda Zellmer for teaching Geoscience Librarianship this year and many others contributions.

Thank you, sponsors of the GSIS sessions at GSA! Sponsorship and presentations at the vendor update session are from the following organizations:

- Geological Society of America (GSA): http://geosociety.org/
- ProQuest: http://www.proquest.com/
- American Geophysical Union (AGU): http://sites.agu.org/
- Geological Society of London: http://www.geolsoc.org.uk/
- GeoScienceWorld: http://www.geoscienceworld.org/

For those of you interested in participating in more active roles in GSIS – I will be contacting you soon! If you have not stated an interest, please feel free to contact me on how to can contribute your skills, interests, and talents.

President's column, cont.

Please note, I will be using my personal Gmail account for some of the GSIS business, please add me to your address book (Emily.geolib@gmail.com) so my e-mails are placed in the inbox and(or) feel free to contact

me if you want to talk geoscience librarianship. I am also available at my work e-mail: ecwild@usgs.gov [I check it often because we monitor Earth 24/7...]

Vice President's Column

By Matt Hudson

It's an exciting (and somewhat scary) time to be involved in geoscience information. Change, on a massive scale, has become the norm, and even straightforward conversations seem to produce more questions than answers.

At the recent GSA meeting in Vancouver, I had several discussions about data preservation with other GSIS members. In principle, we all agreed data should be preserved and accessible, but as soon as we took the next step and began discussing how to preserve data, we realized that we first needed to back up and actually define data. What began as a discussion about Web-based services to store data tables, field notes, and GIS files spiraled into a puzzle of how to integrate core samples, rocks, and even historical museum specimens into such a system.

In some ways the payoffs of digital publishing have materialized in incredible ways. Geology now reaches readers in 192 countries every month with accept-to-publish times as short as 2 weeks, an achievement that was inconceivable when the print journal began in 1973. On top of this, more content is available than ever before, both in the form of new journals and as digital access to old content. The Geological Society of London's archive goes back to 1845 and GSA's Bulletin archive is scheduled to be completed back to 1890 by the end of the year.

Along with this increase in accessibility has come great leaps in functionality. There have

been some interesting challenges to traditional article formats, such as eLife's Lens, which allows split-screen reading and simpler navigation. Tools like GeoScienceWorld's OpenGeoSci and Elsevier's Geofacets have made map-based geographic searches possible. Perhaps even more notable, these tools demonstrate unprecedented cooperation amongst society and commercial publishers, with GSW now representing 46 journals from 28 publishers and Geofacets including content from several societies as well as industry partners such as Schlumberger's Petrel and C&C Reservoirs.

The industry is producing content faster, making it useable and retrievable in novel ways, and reaching wider audiences than ever before, but there are new obstacles, too. Jeffrey Beall's list of predatory publishers seems to grow daily. The Swets bankruptcy and acquisitions such as Elsevier's purchase of Mendeley and Accel KKR's purchase of HighWire remind us that this business environment can change rapidly.

Closer to home, the recent GSIS member survey suggested that a large number of our members will be retiring in the next five years, which begs the question of who will replace them and how the needs of new members will differ from those of today's members.

Amidst all of this change, it strikes me that the need for the Geoscience Information Society is as great as ever.

Vice President's column, cont.

We have an expected decline in institutional knowledge and a rapidly evolving landscape, yet the discussions on Geonet and beyond demonstrate that collectively, we all have a lot of great information and resources to share.

Several interesting ideas came out of the GSA meeting in Vancouver, such as having bootcamps about hot topics, such as circulation analysis or institutional branding.

Looking forward, I hope to try out some of these hackathon style webinars. With that in mind, I invite all of you to reach out with your questions and ideas. Please contact me at mhudson@geosociety.org if you have problems, suggestions, or any other ideas you'd like to share.

Member News

New Members

- Cynthia Dietz
- Courtney Ferguson, PennWell Corporation
- Cynthia Gillespie
- Nigele Langlois, University of Ottowa
- Rodney Miceli, Kentucky Department of Revenue
- Stephen Pomes, Bureau of Ocean Energy Management
- Jenna Thompson, Simon Fraser University Library

Thelma Thompson retires

I would like to let my GSIS colleagues know that I will be retiring from the University of New Hampshire at the end of 2014. I do plan to remain somewhat active in the immediate future, particularly with geologic field trip guidebooks, and I will be continuing some work at UNH on our IMLS grant linking our Fedora repository with the Open Geoportal search

interface. I have not decided yet if I will be seeing some of you in Baltimore next fall.

Louise Zipp urged me to attend my first GSIS meeting when I was working on my MLS at the University of Iowa and I found a warm welcome in this organization. GSIS has been an important part of my professional life ever since. We will not know for several months if my position will be replaced, but we are hoping that UNH will be hiring a Geospatial and Earth Sciences Librarian sometime in the next year. Best to all, Thelma Thompson.

In memory

John Hunter, long time GSIS member and science librarian at Fondren Library at Rice University, passed away on Saturday, November 29, 2014. The GSIS board sent flowers on behalf of the organization. Michael Noga will be writing a more complete remembrance of John for the March 2015 *GSIS Newsletter*. Please send pictures, stories or comments to Michael at mnoga@mit.edu.

Je me souviens (I remember), Part 1

By Michael Noga

1986: San Antonio

- I remember climbing on a wet granitic boulder at Enchanted Rock State Natural Area and then going to a roadhouse for dinner during the GIS field trip.
- I remember the "Blue Norther."

1987: Phoenix

- I remember the discussion on the establishment of a Pacific Section at the GIS Business Meeting [Editor's note: See the report about the most recent meeting of this section on page 8].
- I remember the GIS luncheon with a talk by Stephen Jay Gould on textbooks that just copy misinformation without checking original sources. The talk was a preview of a 1988 article in his *Natural History* column.

1988: **Denver**

• I remember the bearded contestants celebrating GSA's 100th Anniversary.

1989: St. Louis

- I remember having a great dinner in the massive renovated Union Station.
- I remember accidentally kicking a sculpture (circle of white rocks) at the St Louis Art Museum.

1990: Dallas

- I remember travelling in a group from a reception at the revolving restaurant at the Union Station towards the Convention Center and noticing an escort of police cars following us.
- I remember the 25th Anniversary Dinner including the special appearance of Harriet Wallace, one of the founders of GIS.

1991: San Diego

• I remember that the area between the

- new convention center and the downtown hotels was not like the gentrified area that exists now.
- I remember the new nautically-themed convention center.

1992: Cincinnati

- I remember this as one of the GSA meetings with the best dinners, with visits to the Golden Lamb, Lenhardt's, and other restaurants.
- I remember the long field trip hosted by Paul Potter from the University of Cincinnati including a ferry crossing to Kentucky via Anderson Ferry to see some excellent fossil beds.

1993: Boston

- I remember the crowds from the coincident Head of the Charles (the nation's largest rowing regatta) and the spirited Boston mayoral election (which eventually resulted in Boston's longest-serving mayor).
- I remember the field trip to various spots in Boston and noticing the striking stone in the Richardson churches.

1994: Seattle

- I remember a rainy conference.
- I don't remember much else because I just changed jobs!

1995: New Orleans

- I remember this as the best GSA conference for eating, with trips to restaurants that served the best of New Orleans cuisine.
- I remember that several speakers (including myself) ran out of time in our presentations at the Technical Session.

1996: **Denver**

• I remember spending a lot of time in the

Je me souviens (I remember), Part 1, cont.

 I remember going out to Golden for a field trip to the Colorado School of Mines and noticing the Coors brewery on the way back.

1997: Salt Lake City

- I remember Bill Holser, Professor Emeritus from the University of Oregon, talked about large potential cuts to the USGS Library.
- I remember taking a whirlwind unscheduled field trip with Rich Spohn throughout Utah and by chance ending up at the same hotel as a GSA field trip in Panguitch. The official GIS field trip went to Timpanogas Cave after a strenuous hike.

1998: Toronto

- I remember the field trip to a winery on the Niagara Peninsula after looking at various points of the Niagara Escarpment. Little did I know that I would spend some time at the wineries and escarpment every September ten years later.
- I remember the split convention center with the exhibits on one side of the rail tracks and the meeting rooms down below closer to Lake Ontario.

1999: Denver

• I remember that at the Business Meeting, Jim O'Donnell presented a new design for the Society logo, which was adopted. I remember the field trip to Boulder, which included a visit to Suzanne Larson's new library (Jerry Crail Johnson Earth Sciences and Map Library).

2000: Reno

- I remember the field trip that ended up at Donner Lake and marking off the site of a small cabin where one of the families spent the winter because they couldn't cross the Donner Pass.
- I remember that the conference hotels were not happy about the GSA attendees because we didn't gamble enough.

2001: Boston

- The conference occurred just two months after 9/11. I remember that almost all field trip attendees had to leave early to have enough time to get through security at Logan Airport.
- I remember the GIS members crossing the Charles at the Mass. Ave bridge to go the reception at MIT.

2002: Denver

- I remember the spirited discussion about changing the acronym from GIS to GSIS at the Business Meeting.
- I remember receiving a box of Nantucket Nectars at the Business Meeting. The Sheraton Boston did not provide them as instructed at the Boston meeting.

GSIS Pacific Section Meeting

By Connie Manson

The GSIS Pacific Section's 2014 lunch meeting was held October 19 at the Mosaic Grill and Bar in the Hyatt hotel.

Attending were:

- Connie Manson
- Nancy Sprague
- Lura Joseph
- Jody Foote
- Stephanie Earls

- Hannah Winkler
- Michael Noga
- Shaun Hardy
- John Hunter

As always, the intent of the Pacific Section is to provide a forum for fellowship and cooperation. This year's meeting was as successful as ever.

Because of that success, we encourage members in other regions to establish their own sections.

GSIS Professional Issues Roundtable Summary

By Michael Noga

The Professional Issues Roundtable was held in a penthouse meeting room in the Hyatt in Vancouver. The participants had a beautiful view of Vancouver towards the south. The catering included interesting chocolate concoctions.

USGS

The first part of the session focused on government information. Emily Wild gave a report on the US Geological Survey. She is the primary reference librarian for the USGS Library. There are 30-50 questions per day. Her outreach to the public is reflected in the messages on new USGS information and data that she sends to the Geonet regularly. There are still ten in the Ask USGS team, one for each major program (water, quakes, etc.). Most are former scientists.

The Denver library does print on demand. It also maintains an exchange program with other state, provincial, and international geological surveys (e.g. Japan, Turkey, South Africa, Iraq, and Russia). GeoRef indexes these publications. The Reston Library collects the

rare books and political materials. The Menlo Park Library is sending materials to the Denver Library. The whole library keeps only 5 paper copies of each report. The Geologic Atlas of the United States is now rare and expensive.

New publications are printed only if there is money. Scans from the National Geologic Map Database must be indexed in the Publications Warehouse to be linked.

Emily talked about USGS plans for providing access to data. She recommended checking www.sciencebase.gov for data sets. Satellite imagery is accessible via Earth Explorer. NAS provides the hardware, and USG provides the software and archiving.

Canada

The Geological Survey of Canada (GEOSCAN) has a lot online, though it may be hard to find some of the publications directly. GeoRef is a major finding aid for Canadian and provincial survey literature.

CISTI and Environment Canada have had much downsizing.

GSIS Professional Issues Roundtable Summary, cont.

Other countries

OneGeology covers the European surveys. Australia has put a lot publications and mapping online. USGS works in Afghanistan plus a few other countries via the UN, but a lot of this research is not available online.

Other topics

Before the meeting, some questions were submitted on Geonet. The discussion concerned metrics, off-site storage, delivery services, reference works and their formats, and where users turn to find information on geoscience.

Some comments on space: 48-hour turnaround of delivery from storage is too long. If the publications are not online, try to keep the print close by. The earth sciences literature has a long half-life. The first instance of the geology of an area is important. Even though individual geoscience publications are low use, in aggregate they are used.

Some comments on courses: It can be hard to get invited to classes. Being embedded in a course is very important. There is a direct correlation of time spent in classes, on field trips, other informal interactions, etc. and students coming to the library

Some comments on PDA: Faculty and students have to use the online catalog as a discovery tool to find the titles available on PDA. Pilots often don't have enough geoscience books to judge their effectiveness. The PDA version may be different than the online version offered by the publisher (CRC was given as an example.).

Popular books may be purchased with the PDA funds. Finally, a price cap will be needed or else expensive books may be purchased.

GSW

At the GSIS Business Meeting, there was an announcement that the GSA Board had decided to gradually turn its journals into open-access publications. There was some discussion of this change and possible effect on GeoScienceWorld. GSW has an advantage for finding geoscience information in its common tool set with geographic finding aids. GSW is upgrading its searching and browsing capabilities. The GeoRef interface on GSW is also being upgraded.

Strategic Planning Survey

The last part of the Roundtable was a presentation by Amanda Bielskas on preliminary results from the Strategic Planning Survey. Most of the respondents are GSIS members, have a lot of experience in the profession, and reside in the US. A third of the respondents expect to retire within 5 years, but there was an expression of continued interest in the Society after retirement. More than 40% of the respondents have attended one to three GSIS meetings in the last 10 years. The biggest impediment is lack of travel support, followed by the choice of a different conference instead. The main reasons for attending a meeting are networking, the talks, the professional issues roundtable, vendor update, and business meeting. Geonet was popular for those who didn't attend meetings. More professional development from GSIS is desired.

Association of Earth Science Editors News

Sights Set on Lawrence, Kansas, for 2015: Mark the date! The 49th annual meeting of the Association of Earth Science Editors is set for Lawrence, Kansas, October 6 to 9, 2015. The Kansas Geological Survey will be hosting the meeting, details of which are still in the planning stage, but will be posted on the AESE website as they become available. The meeting is open to anyone interested in earth science editing and publishing. Please contact Marg Rutka (marg.rutka@ontario.ca), Ontario Geological Survey, who is Chair of the Technical Session Committee, if you have any ideas for session topics, or would like more information about the meeting.

Outstanding Publication Award Winners:

The winner...or rather, the winners—there was a tie!—of the AESE Outstanding Publication Award in the Print Category were announced at the 2014 annual meeting held in Lexington, Kentucky, October 7–10. Both are fabulous publications.

Congratulations go to the **State of Ohio Division of Geological Survey** for their entry:

Schumacher, G.A., Mott, B.E., and Angle, M.P. (2013). *Ohio's Geology in Core and Outcrop: A Field Guide for Citizens and Environmental and Geotechnical Investigators*. Ohio Geological Survey Information Circular 63.

This spiral-bound publication is printed on waterproof paper and is designed for use both indoors and in the field. The field guide provides a succinct summary of the state's geology through an



introductory section and 65 fact sheets

describing more than 100 surficial and bedrock units found across the Ohio landscape. The result is a detailed, comprehensive view of the diagnostic features of Ohio's near-surface geologic units in both natural and man-made exposures, as well as in core drilled through these geologic units. More information about this publication can be found at http://www2.ohiodnr.com/geosurvey/extra-news-archives/2013-articles/ic-63-core-outcrop-field-guide.

Congratulations also go to the U.S. Geological Survey for their entry:

Hildreth, W. and Fierstein, J. (2012). The Novarupta-Katmai Eruption of 1912 — Largest Eruption of the Twentieth Century: Centennial Perspectives. USGS Professional Paper 1791.

This book is both a technical work and one aimed at a broad audience. As a technical work it summarizes many decades of scientific research into the great 1912 Novarupta-Katmai eruption in Alaska and reviews the significant



contributions of that research to the science of volcanology. As a work for a broader audience it places the eruption, in the year of its 100^{th} anniversary, into the context and perspective of history—the evolution of both science and society in the 20^{th} century—and it recounts the fascinating story of the successive expeditions that explored and studied the site of the eruption and its products in a wild and remote part of the American Arctic. More information and free download available at

http://pubs.usgs.gov/pp/1791/.

Geoscience Publishing Awards Presented in Vancouver

By Shaun Hardy

Three awards for excellence in geoscience publishing were presented by the Geoscience Information Society (GSIS) at its 2014 annual meeting in Vancouver, British Columbia in October.

Treatise on Geochemistry, 2nd edition, edited by Heinrich D. Holland (Harvard University) and Karl K. Turekian (Yale University), received the Mary B. Ansari Best Reference Work Award. The 16-volume compendium was published by Elsevier in 2013. The first edition of the *Treatise*, also published by Elsevier, was honored with the Ansari Award in 2004. In choosing the second edition for the 2014 Award, the selection committee noted the significant amount of new material in the form of several new chapters and the extensive revision of other chapters to reflect current research.

Barbara Sherwood Lollar (University of Toronto), president of the Geochemical Society and editor of the environmental geochemistry volume of the *Treatise*, accepted the Ansari Award on behalf of the late editors-in-chief. The Ansari Award has been presented annually since 1988 and honors an outstanding reference work in the field of geoscience information published during the previous three years.

The Geology of Newfoundland Field Guide:
Touring Through Time by Martha Hickman Hild received the 2014 Best Guidebook Award.
Noting its accessibility for geologists and nongeologists alike, the GSIS Guidebooks
Committee praised the work for its enjoyable writing style, high quality illustrations, inclusion of geographic and GPS coordinates, walking

directions, and clear organization. Hickman Hild is a geologist and science writer based in Flatrock, Newfoundland. Her book was published in 2012 by Boulder Publications, Portugal Cove, Newfoundland. The Best Guidebook Award was established by GSIS to recognize and promote excellence in this important type of geoscience literature. The recipient is chosen annually by the GSIS Guidebooks Committee, which publishes Guidelines for Authors, Editors, and Publishers of Geologic Field Trip Guidebooks, an outline of best practices in the field. Linda Musser (Pennsylvania State University) delivered the citation and read a statement of acceptance from the author.

The recipient of the 2014 Best Paper Award was Shaun Hardy (Carnegie Institution for Science) for his publication "Open access publishing in the geosciences: Case study of the Deep Carbon Observatory." The paper appeared in Geoscience Information Society Proceedings. volume 43, pages 73-81. Award committee chair Nancy Sprague (University of Idaho) stated that "this concise, well-written article was selected for having broad significance in improving our understanding of open access publishing in the geosciences, current attitudes among researchers about open access, and the roles geoscience librarians can play in helping increase awareness of open access options." The award recognizes the best paper published in the field of geoscience information during the previous year.

By Shaun Hardy



Amanda Bielskas presents the 2014 Mary B. Ansari Best Reference Work Award to Barbara Sherwood Lollar (University of Toronto) for *Treatise on Geochemistry*, 2nd edition.



Linda Musser accepts the 2014 Best Guidebook Award from Amanda Bielskas on behalf of author Martha Hickman Hild for *The Geology of Newfoundland Field Guide*.



Nancy Sprague presents the 2014 Best Paper Award to Shaun Hardy for "Open access publishing in the geosciences."



Lura Joseph, center, accepts the 2014 Mary B. Ansari Distinguished Service Award from Amanda Bielskas and Jody Foote.



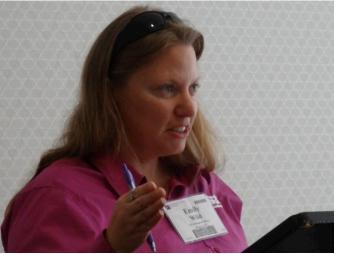
Lura Joseph thanks her colleagues for the Mary B. Ansari Distinguished Service Award at the GSIS Reception.



Amanda Bielskas presides at the Business Meeting.



Outgoing president Amanda Bielskas passes the gavel to president-elect Emily Wild at the Business Meeting.



Emily Wild addresses her first meeting as GSIS President.



Members share discussions at the Professional Issues Round Table.



Michael Noga moderates the Professional Issues Round Table.



Clara McLeod reports on another successful "Geoscience Librarianship 101" Workshop.



"Geoscience Librarianship 101" instructors Linda Zellmer, Hannah Winkler, Amanda Bielskas, and Emily Wild with workshop coordinator Clara McLeod.



Hannah Winkler convened the technical session on geoscience data access and availability.



2015 GSIS officers. Seated: past-president Amanda Bielskas, president Emily Wild. Standing: secretary Louise Deis, past secretary Cynthia Prosser, vice president/president-elect Matt Hudson.





Members and friends socialize at the joint GSIS/GSA Geoinformatics Division Reception.



Members and friends socialize at the joint GSIS/GSA Geoinformatics Division Reception.



Three presidents enjoy a break at the No-Host Dinner following GL 101.

Group photo at the evening reception (photo courtesy of Yael Fitzpatrick)

New Geoscience Open Access Publications

By Shaun Hardy



Nature Communications

Nature Communications became a fully open access journal in October. Originally a subscription-based, online-only publication, Nature Communications was launched in 2010 as Nature Publishing Group's second interdisciplinary journal. The journal publishes research in all areas of the biological, physical, chemical and Earth sciences. According to 2013 Journal Citation Reports it is the third-highest impact journal in the category of multidisciplinary science.

Nature Communications offers rigorous peer review and rapid publication and aims to provide a venue for high-quality work that may not have the "scientific reach" or "broad appeal" of papers published in *Nature* and the Nature research journals. It typifies the cascade journal arrangement, under which manuscripts rejected by Nature Publishing's top-tier journals may be automatically referred to the editors of *Nature Communications* for consideration. One significant consequence of the change in the journal's publishing model is that authors must now pay an article processing charge of \$5,200 (in the Americas) to publish their work. The backfile of articles published under the old model will remain behind a pay wall.

http://www.nature.com/ncomms/

Successful "Geoscience Librarianship 101" workshop in Vancouver

By Clara McLeod

"Geoscience Librarianship 101" was held again on Saturday, October 18, 2014, from 10:30 AM to 4:30 PM. in conjunction with the meeting of the Geological Society of America (GSA) in Vancouver, BC. This year co-sponsor was the Woodward Library at the University of British Columbia where Kevin Lindstrom and James Murphy served as hosts. The workshop planning team consisted of coordinator /moderator, Clara McLeod (Washington University) and Shaun Hardy, Linda Zellmer and Jan Heagy, publicity. The instructors were Amanda Bielskas (Columbia University), Emily Wild (United States Geological Survey, Denver), Hannah Winkler (Stanford University), and Linda Zellmer (Western Illinois University). Presentations were given on Geoscience Overview/Instruction, Reference, Collection Development, Maps: Collection Development and Reference and GIS and the Digital

Future. Sixteen registrants attended the workshop and each received a certificate of attendance and an usb drive with the presentation slides.

Comments from attendees reflected that the workshop accomplished its goals. Attendees wrote that the workshop was "extremely informative." Some suggestions made were to add more information about how to use GIS (perhaps a handson component) and industry wide trends (open access and open scholarship), to disseminate the workshop by putting the information online, and to include more handouts on useful tips and resources.

After the workshop, instructors received certificates of appreciation. A no-host dinner was held at Mahony & Sons Public House where other GSIS members came who had not participated in the workshop.

GSIS Publications List

Proceedings of the Annual GSIS Meetings (ISSN 0072-1409) \$45.00 each.

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- 6th, 1998 Science Editing and Information Management, Proceedings of the Second International AESEI CBEI EASE Joint Meeting, Sixth International Conference on Geoscience Information, and Thirty-second Annual Meeting, Association of Earth Science Editors, ed. by C. J. Manson. (ISBN 0-934485-30-5) \$25.00
- 5th, 1994 Geoinfo V, Proceedings of the 5th International Conference on Geoscience Information, ed. by Jiri Hruska. (ISBN 0-934485-27-5) \$45.00 (2 vols.)

Directory of Geoscience Libraries, North America. 5th Edition, 1997. (ISBN 0-934485-25-9) Paper. \$ 35.00

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