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President's Column

By Robert Tolliver

I hope everyone has had a good year and is looking forward to the coming year. Although somewhat stressful at times, I enjoyed working on the GSIS meeting planning and hope that everyone who was able to attend got something out of our sessions and had the opportunity to meet with colleagues and friends. You can find reports on the meeting here in this issue of the newsletter.

I would like to thank everyone who helped to make the annual meeting a success this year. Thanks go to Clara McLeod and the Geoscience Librarianship 101 instructors for putting together another great workshop; Chris Badurek for organizing our topical sessions; Cynthia Prosser for organizing the GSIS Common Read; and Linda Zellmer for taking care of the GSIS booth. I also want to thank our executive board and various GSIS members for helping me with ideas and support for all of our vents. Special thanks to Matt Hudson, our past chair, for being my planning mentor and sounding board throughout the year. And, of course, thank you to everyone who attended.

I also want to thank our sponsors who helped make our meeting events possible this year. They include: the American Geophysical Union, Elsevier, the Gemological Institute of America, the Geological

Society of America, the Geological Society of London, GeoScienceWorld, the Society of Economic Geologists, the Society of Exploration Geophysicists, and Springer. We wouldn't have been able to put together such a good program without their support. Thank you.

Speaking of support, I would like to welcome our new GSIS officers for 2018. Chris Badurek is our new Vice-President/President Elect and will be doing the planning for next year's annual meeting in Indianapolis. Bridget Thrasher is our new Treasurer. Thank you to Lori Tschirhart for serving as our treasurer this past year.

GSIS is making one change to our Executive Board. In addition to the elected officials of the organization (past president, president, vice-president, secretary, and treasurer), the Executive Board also has most recently had two ex officio, non-voting members: the GSIS Newsletter Editor and the Publications Manager. Over the last couple of years, with the move of all of our publication online, we have determined that there is no longer a need for the organization to have a publication manager. Our current Publications Manager, Richard Huffine, was very involved in these discussions and supports the

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Vice President's Column, continued

decision to drop this position. We will replace this ex officio position on the Executive Board with the GSA Topical Session Convener. With that, I would like to thank Cynthia Prosser for volunteering to be our GSA Topical Session Convener for 2018 and welcome her to the GSIS Executive Board.

On the topic of positions in GSIS, with a new year beginning, it's time to fill empty position on our various committees. If you are interested in volunteering in some capacity to GSIS or would like to continue on in a current position, please let me know.

I know that this column has been primarily a big thank you to everyone who has been involved in GSIS in one way or another, but that's a good thing to do. Everyone who volunteers for positions in in the organization, attends our workshops and meeting sessions, contributes to GEONET discussions, and otherwise engages with the GSIS community contributes to our success as an organization. I hope that everyone can find a way that they feel they can contribute. If you have any ideas or would like some ideas on ways to contribute, please feel free to contact me.

Happy Holidays!

Bob

Vice Presidents Column: Trends in Geoscience Research Data

By Christopher A. Badurek

Late December is the time of year when we look back on the year and are offered ranked lists of the top events and trends of the year. In reviewing the GSA 2017 conference program as well the topics that have come up at other meetings I attended in 2017, in particular ASIST's 2017 Research Data Access and Preservation (RDAP) conference, I propose the following as the top trends of 2017 in geoscience data resources.

3. Geoscience Data Rescue

2017 started off with a bit of panic as the impacts of the Trump administration's potential reduction to access to scientific data and government funding mandates were unknown. In response, data rescue efforts to harness government data of many kinds began and gained increased attention from the library community. Data rescue events were held at universities across the country, many being led by university libraries. The data rescue movement has been chronicled across government, industry, and media sources including reports ranging from the USGS, Elsevier, and the New York Times.

2. Collaborative Relationships

In 2017, I noted significant coverage of collaborative and consortial relationships in the publishing industry, research data community, and large scale geoscience research initiatives. The trend towards developing mutually

beneficial collaboration among scientific and library groups is rooted in cost sharing, flat budgeting, and the expanding interest from geoscientists in data curation and library/information science skills to enhance research activity. At the 2017 GSA Meeting, Bob Tolliver and I agreed to GSIS partnering with Denise Hills and Leslie Hsu of the Geoinformatics Division of GSA in developing multiple sessions highlighting data, information resources, and careers using geoinformatics skills, including library and information science careers. We also jointly held our respective Business Meetings that were highlighted by awards presentations to members recognized for their contributions. GSIS also maintains a strong relationship with AGI activities as noted by the significant proportion of GSIS members at the AGI Reception at the 2017 GSA Meeting.

1. Geoscience Research Data Here to Stay

At the 2017 RDAP Meeting, also held in Seattle, an anxious librarian asked the assembled panel of experts from the publishing industry what they would do with their research data efforts if the federal government suddenly pulled all data sharing mandates related to funding sources as many had feared. A calm response from the panel was that they would simply continue on as they had been doing as 'the research data train has left the station.' Publishers and related research data curation businesses have

assembled the foundation for data curation infrastructure and business model for linking research data with publication. With this infrastructure, there is not much chance of going back at this point. With increasing international relationships in the geosciences and investment in open access publishing from AGU, GSA, and others, geoscience research data is moving

forward regardless of the often sparse federal guidelines.

I expect geoscience research data to be even more of a hot topic for 2018 and look forward to the developments from the library community to aid in moving towards an open data and open publishing academic landscape.

Conference Sessions Highlights: Access to Geoscience Data and Information Resources

By Christopher A. Badurek

GSIS sponsored or co-sponsored multiple sessions at the Geological Society of America Conference in Seattle over October 22-25, 2017, including two oral sessions and two poster sessions.

The GSIS oral session, Discovery and Preservation of Geoscience Data and Information Resources was cosponsored by the GSA Geoinformatics, Environmental and Engineering Geology, and Energy Geology Divisions. The session highlighted access to geoscience resources including lidar data from academic and government sources, georeferenced geological documents and reports in PDF formats from state governments, and the latest developments in geoscience libraries. Presentations by GSIS members covered the challenges of discovery of archival papers, promoting use of open educational resources, facilitating team-based research, and supporting use of virtual reality and web GIS content in courses.

The poster session, Use of Geoscience Data and Information Resources in Education and Research, cosponsored by the Geoinformatics Division, highlighted data and information resources ranging from educational resources, 3D printing, use of GIS in undergraduate research, GIS models, and access to remote sensing image data. Presentations by GSIS members provided informative information on library assistance in learning with geoscience data sources and promotion and adoption of open educational resources in earth science departments.

GSIS also co-sponsored GSA Geoinformatics Division oral and poster sessions at the meeting. The oral session, What Can You Do with Geoinformatics?, featured presentations on career skills and professional issues related geoinformatics from a variety of perspectives. Presenters from the USGS, AGI, AGU publishing, as well as geoscience and library and information science faculty discussed career paths and the need for interdisciplinary perspectives and computational skills ranging from making use of research data from publications, text mining, data curation, and GIS. The session concluded with brief lightning talks by those presenting their posters the following day. The poster session highlighted access to lidar data, geoscience database developments, remote sensing data, and geological mapping applications.

A call for papers from these sessions for publication in the next *Proceedings of the Geoscience Information Society* will be forthcoming in early 2018. The next GSIS Meeting will be at the GSA Conference, November 4-7, 2018 in Indianapolis. At this year's GSIS Business Meeting, a proposal to provide limited travel support to conference presenters was discussed and supported. Announcements about the 2018 GSIS Sessions and support will be sent to the group by mid-2018. Please hold the dates for the meeting in November and consider sharing what you are working on with our group as a talk or poster in Indianapolis!

History of the Former Geology Library at UIUC

By Lura Joseph

The Geology Library of the University of Illinois at Urbana-Champaign had an extensive collection of materials in geochemistry, solid-earth geophysics, mineralogy, paleontology, oceanography, geohydrology, and economic geology. The collection was designed to support the curricular and research needs of the Department of Geology. This collection began as a part of the original holdings of the main library when the University was founded, and continued to grow during the years when geology was one discipline among many in the Natural History Library. In 1959, the life sciences materials were relocated, and the Geology Library was established in its final location in the Natural History Building. With the help and encouragement of Dr. George W. White, head of the Department of Geology at that time, growth of the collection accelerated, especially during the 1960's when intensive efforts were made to assure that primary geological literature was acquired.

At its peak, the collection in the Natural History Building contained more than 100,000 bound volumes, including nearly 3,000 journals and monographic series. More than 90,000 lesser-used volumes were located in the Central Bookstacks of the Main Library. In addition, there was a collection of at least 75,000 cartographic items including geologic and topographic maps and atlases. An exceptional collection of rare and early geological literature continues to be housed in the Rare Book Room

(346 Library). Included are the works of Agricola, Biringucci, Palissy, Hutton, and Agassiz, among others. Early American geological works in this collection include those by Eaton, Schoolcraft, and Feathersonhaugh.

Because more space was needed for the newly formed School of Earth, Society, and Environment, the decision was made to close the Geology Library and relocate the material. This decision was facilitated by the availability of online full-text for many journals and books, and by the construction of the High Density Shelving Facility on Oak Street. The timing of the move was accelerated by a full year due to the discovery of structural deficiencies within part of the Natural History Building and subsequent condemnation of a large part of the building, including most of the Geology Library stacks.

The Geology Library closed to the public on August 6, 2010, shortly after completing its 50th year of operation. The last books were moved out of the Geology Library the second week of January, 2011. Approximately 75% of the print material was relocated to the High Density Shelving Facility, and the other 25% was moved to the Grainger Engineering Library. Unique topographic maps were moved to the Map & Geography Library. Geologic maps were moved to the High Density Shelving Facility at Oak Street.

History of Geology Library Faculty & Staff:

Geology Librarians:

Harriet Wallace:

- Started working in the Geology Library as full time Librarian 9/1/62 - 8/31/63.
- 9/1/63 - 8/31/67 her title was Librarian with rank of Instructor
- 9/1/67 – 8/31/72 her title was Geology Librarian with rank of Assistant Professor
- 9/1/72 – 8/20/78 her title was Geology Librarian, rank of Associate Professor of Library Administration

- 8/21/78 – 8/20/79 her title was Geology Librarian, with rank of Professor of Library Administration
- Harriet retired 8/20/79

Dederick C. Ward:

- Started working 8/21/80 as Geology Librarian with a rank of Associate Professor of Library Administration, and continued until 7/1/89 when he retired.

Lois M. Pausch:

- Was Geology Librarian with a rank of Associate Professor from 8/21/91 to 2/29/00, when she retired.
- Previous to working as Geology Librarian, Lois was a teaching assistant in Biology 10/59 – 6/61 and from 9/1/72 held various jobs in the Library including:
 - 9/1/72 – 8/24/ 75 Cataloger & Inst. Lib. Adm. in the Catalog Dept.
 - 8/24/75 – 8/20/79 Cataloger & Asst. Prof. Lib. Adm. in the Catalog Dept.
 - 8/21/79 – 8/20/84 Sci. Cataloging/Asst. Prof., Orig. Cat. Coord.
 - 8/21/84 – 8/20/85 Sci. Cataloger/Asst. Prof. in the Math Library
 - 8/21/85 – 8/20/91 Asst. Math Librn. & Coord. PS Cat/Assoc. Prof
 - 8/21/91 – 2/29/00 Geology Librarian & Assoc. Prof.

Gregory Youngen:

- Acting Geology Librarian 2/29/00 – 8/20/01

Lura Joseph:

- Geology Librarian and head of the unit, from August, 2001 until the last book was moved out the 2nd week of January, 2011. She was at a rank of Assistant Professor of Library Administration from August, 2001 to 2007, when she earned the rank of Associate Professor of Library Administration. She continued as the Geology Librarian after the library closed until 2012 when she transferred to the Content Access Management (cataloging) department, where she continued to work with the geology collection. She was Interim Head of Agricultural Communications Documentation Center 2014-2015.

Staff:

Diana L. Walter:

- Started working for the Geology Library on 12/15/80 as a Library Technical Assistant and continued to 8/21/10 when she retired as Senior Library Specialist.

Sheila E. McGowan:

- Started working for the Geology Library 5/21/95 as a Library Clerk III and continued to work in the Geology Library as Library Assistant until it closed. Thereafter, she began work at the Grainger Engineering Library.

Harriet Evelyn Wallace Scholarship

By Lura Joseph

Harriett Wallace was one of the earliest members of GSIS (then GIS). She was also a long-time Geology Librarian at University of Illinois. Before she passed away, she set up several scholarships to support women who are studying to become geologists, one of which is managed by American Geosciences Institute (AGI). AGI is soliciting funds in order to endow the scholarship so that it may be perpetual.

According to a communication from AGI, they are asking individuals to consider supporting the Harriet Evelyn Wallace Scholarship, which grants two \$5,000 awards every year to two women who are pursuing graduate degrees in the geosciences. You

can support future scholars by donating to the Wallace Scholarship Fund at: <https://bit.ly/GeoWomen>. Their goal is to raise \$25,000 for the fund this year, which will bring them closer than ever to the goal of endowing the scholarship program. I encourage you to read the additional information on the web page.

As the GSIS representative on the Scholarship Committee that selects recipients, I encourage you to consider this worthy cause.

Lura Joseph
luraj@illinois.edu

Overheard at GSIS/GSA:

Fun Quotes Overheard at the GSIS/GSA conference in Seattle, WA 2017

I prefer more heat & humidity

Shimmys & shakes but never breaks!

Refer to my scholarly communications team

It was a feature, not a bug

Bathtub full of white chocolate

Kill the mouse

#SafetyInNumbers

ALEXANDRIA, Va. – Geologic guidebooks tell stories about the history of our continent’s beautiful natural landscapes, but are not easily obtained by today’s researchers. To facilitate greater access to these guidebooks, the American Geosciences Institute (AGI) and the Geoscience Information Society (GSIS) have jointly launched a revised, free database, which catalogs decades of these guidebooks from across the United States, Canada, Mexico and the Caribbean.

The Geologic Guidebooks of North America Database – as it is called – helps to fill a significant gap in existing geoscience information. Many parts of North America are not sufficiently mapped by geological surveys, so guidebooks from university field trips and amateur excursions can contain some of the richest information available – or in some cases, the only information available – for a given location. Now, anyone can explore references to more than 10,000 of these guidebooks with ease using the geographic search option, a new feature designed to enhance discovery. Once a guidebook of interest has been identified, other resources such as [WorldCat](#), can be used to find a copy in a library.

“This collaboration between AGI and GSIS will make old and new guidebooks more discoverable by active researchers and curious hobbyists, and we are grateful to GSIS volunteers for supporting this initiative from its inception,” said Sharon Tahirkheli, AGI’s Director of Information Services.

The new database builds on a long history of collaboration between GSIS and AGI, which earlier resulted in the publication of several print publications, including *The Union List of Geologic Field Trip Guidebooks of North America, Sixth Edition*, compiled and edited by the GSIS Guidebooks Committee and published by AGI in 1996. The sixth edition was

converted to digital format in 2002 and hosted online by AGI as the Geologic Guidebooks of North America Database. This freely searchable online database was updated as guidebook titles were added to GeoRef. In 2004, GSIS and AGI began work to convert the database to a new platform. Each reference not already in GeoRef must be indexed to AGI standards before it can be added to the new database. The revised database has reached a critical mass which makes it practical to open it to the public. Work is ongoing to continue indexing Union List titles not already in GeoRef, and also to add new titles to both GeoRef and the guidebooks database. More information about this project can be found in the online [*Geoscience Information Society Proceedings* 44:71-75; 44:210-213](#).

GSIS President Robert Tolliver said, “Transferring these guidebook references into a centralized online database based on GeoRef data will make them immediately more accessible to the next generation of geoscientists. Instead of being hidden away and gathering dust, these guidebooks can now inspire new directions for research out in the field.”

Visit the Geologic Guidebooks of North America Database at <http://guidebooks.americangeosciences.org/vufind/> to start exploring.

About GeoRef

The GeoRef database, established by the American Geosciences Institute in 1966, provides access to the geoscience literature of the world. GeoRef is the most comprehensive database in the geosciences and continues to grow by more than 100,000 references a year. The database contains over 4 million references to geoscience journal articles, books, maps, conference papers, reports and theses. Learn more at <https://www.americangeosciences.org/georef>.

About GSIS

The Geoscience Information Society (GSIS) facilitates the exchange of information in the geosciences through cooperation among scientists, librarians, editors, cartographers, educators, and information professionals. GSIS is a member organization of AGI.

About AGI

The American Geosciences Institute (AGI) is a nonprofit federation of 52 scientific and professional associations that represents more than 260,000 geoscientists. Founded in 1948, AGI provides information services to geoscientists, serves as a voice of shared interests in the profession, plays a major role in strengthening geoscience education, and strives to increase public awareness of the vital role the geosciences play in society's use of resources, resiliency to natural hazards, and interaction with the environment.

AGI is a not-for-profit 501(c)(3) organization dedicated to serving the geoscience community and addressing the needs of society. AGI headquarters are in Alexandria, Virginia.

The American Geosciences Institute represents and serves the geoscience community by providing collaborative leadership and information to connect Earth, science, and people.

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Upcoming AGI Webinar: Tracking the Global Supply of Critical Materials

AGI's Critical Issues Program is organizing a webinar, "Tracking the Global Supply of Critical Materials." The webinar will take place on Friday January 26th, and will focus on U.S. and EU efforts to gather information and develop tools that can be used to ensure a secure national and global supply of mineral resources; identify and quantify vulnerabilities in this supply; and stimulate national and international co-operation, education and outreach, and innovation in the development, recycling, and substitution of key mineral resources. The speakers will be Nedal Nassar (U.S. Geological Survey) and Vitor Correia (European Federation of Geologists). The target audiences for this event are decision makers around the world, students, educators, researchers, industry professionals, and interested members of the wider geoscientific community. More details to follow early in the new year on GeoNet.

Musings

By Michael M Noga

Now available: the Journal of Undiscovered Discoveries

Publisher: Alternative Science

Editors: Hon. Foghorn Leghorn; James Franco; Pewee Herman

Subscriptions: negotiable, Payment in bitcoins

Author rights: negotiable

Submissions: Your article is already accepted, just write it out.

Data accepted: Data, who needs data?

Publication frequency: maybe

Impact factor: 45.000 (remember this is an alternative publication)

Indexed on: Reddit

Submitted by Erin Palmer

Mark your calendars! The 52nd annual meeting of the Association of Earth Science Editors will take place in Niagara Falls, New York, September 26 to 29, 2018.

AESE's meetings generally consist of 2 days of technical sessions and a 1-day field trip. Please join us for a fun-filled and educational experience September 2018. Meeting headquarters will be the Conference and Event Center Niagara Falls.

Niagara Falls has been a prime tourist destination since the mid-19th century. People come from around the world to see just the falls, themselves. But there is so much more to explore on both the American and Canadian sides of the falls, from world class wineries, Niagara Falls State Park (providing close access to the American and Bridal Veil falls), Niagara Gorge hiking trails, and art galleries to the Schoellkopf Power Plant museum (providing easy access to the bottom of the gorge), Niagara rapids jet boat tours, Old Fort Niagara, Niagara-on-the-Lake and more....so remember to bring your passports if you wish to take in all that the area has to offer!

The meeting is open to anyone interested in earth science editing, publishing and outreach. The program is in the initial planning stage. Watch for meeting updates on AESE's web page www.aese.org. A closed Facebook group has been set up to share information <https://www.facebook.com/groups/123266368358780/>. For more information, please contact host chair, Marg Rutka, marg.rutka@ontario.ca, and technical program chair, Phil Farquharson philfarq@gmail.com.



The American Falls as seen from Niagara Falls State Park. Photo credit: Destination Niagara USA.



A staircase accessed as part of the Maid of the Mist tour, in Niagara Falls State Park, provides a magnificent (and wet) view of the American Falls. Photo credit: Destination Niagara USA.

Part of the exhibit booth this year asked people to volunteer criteria that they use to spot fake science. Below you will find a list of the criteria that were volunteered (some have been cleaned up a bit).|

Also, we will continue the theme of fake science next year. What we want are examples of fake science and the criteria that people used to determine that it is fake science.

Citations

- Biased sources
- Cherry picking sources
- Lack of primary sources
- No credible citations
- No sources
- Self-Citations
- Whom do they cite?

Contents

- Absolute claims
- Are claims well documented?
- Broad, general claims with no details
- Check the claims with experts that you know or can find
- Claims not supported by data
- Data could have an alternate explanation that is either hand-waved or ignored
- Does it make sense?
- Data provided as evidence
- Data source provided
- Grammar / Poor grammar in comments
- Guarantees
- Inconsistencies
- Lack of peer review
- Methods clearly described (vague description of methods).
- No References
- Source of data & figures not given
- Source of the information
- Too good & vague to be true (r [correlation coefficient] value of .99)
- Use of emotional or non-standard phrases (contrail vs. chemtrail)

Who benefits from their conclusions?

Publication Criteria

- Author's credentials / Bias
- Lack of collaboration
- Quality of Author's prior publications
- Think critically about the contextual authority of the source
- Who is the publisher?

Other

- Ads on website
- Bright colored sign on their booth
- Check claims by finding three sources with the same or similar information
- Check the claims on Snopes
- Check the source
- Claims too good to be true (dig deeper)
- Coming from Trump / Scott (in Florida)
- Do they respond to dissent with data?
- Endorsed by Trump & his administration
- Exaggerated claims
- Examine website ownership & affiliations
- Fake News
- Funding (not revealed) / Who pays their salary?
- It is volunteered by people who did not pay attention in science class
- Like pornography, you know it when you see it (would rather see pornography than fake science)
- Need to distrust and verify claims on the Internet
- Need to educate ourselves so that we can evaluate the information
- Political agenda
- Prove a hypothesis
- Said by someone who is delusional?
- Scaring people with hazard alarms
- Should be practical
- Spouted by an ignorant politician
- Taking conservative scientific / geologic interpretations and blowing them out of proportion for The "wow" factor
- Where & how did you find the information (Wikipedia)



Geosphere and Lithosphere

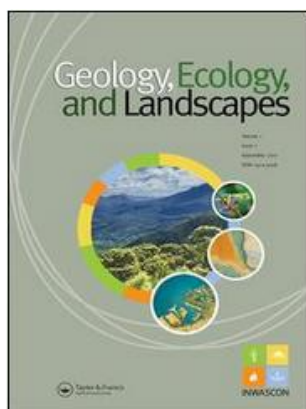
Websites:

<https://www.geosociety.org/GSA/Pubs/geosphere/home.aspx> and

<https://www.geosociety.org/GSA/Pubs/lithosphere/home.aspx>

The Geological Society of America has announced that its journals *Geosphere* and *Lithosphere* will transition to Open Access in January 2018. According to information presented at a GSA Town Hall on OA at the Seattle meeting the change will apply not only to new issues but also the backfiles.

Manuscripts accepted for publication in either journal will be assessed an article processing charge of \$1,750. The journals are hosted on the GeoScienceWorld platform. Plans to transition GSA's other journals, *Geology* and *GSA Bulletin*, to Open Access have been put on hold.



Geology, Ecology, and Landscapes

Website:

<http://www.tandfonline.com/toc/tgel20/current>
Geology, Ecology, and Landscapes was launched by Taylor & Francis in March of this

year. It is the official journal of the International Water, Air and Soil Conservation Society (INWASCON), a Malaysia-based non-profit organization. The journal publishes research on the geology of the tropics and “related ecological changes that form the base for new landscape formations in tropical regions.” Specific scope areas include biogeochemistry, environmental geology, and remote sensing. Article processing charges will be waived through 2018. Several Creative Commons licensing options are offered. Three issues containing 24 articles have been published to date.



Geodinamica Acta

Website:

<http://www.tandfonline.com/toc/tgda20/current>
Geodinamica Acta, the European Journal of Geodynamics, has been converted to a Gold Open Access publication on the Taylor & Francis Online platform. It has been published since 1987 and has an Impact Factor (2016) of 2.611. *Geodinamica Acta* publishes original research papers, reviews, rapid communications, and discussions in all areas of the Earth sciences dealing with the dynamics of the lithosphere and hydrosphere. Submissions are peer-reviewed on the basis of “international appeal and regional implications” and are expected to be of interest to many different specialists. The journal’s article processing charge is \$750.



EarthArXiv

Website: <https://eartharxiv.org/>

Earth and Space Science Open Archive (ESSOAr)

Website: <https://publications.agu.org/essoar-preprint-server-faqs/>

On September 22, *Science* magazine reported the anticipated launch of *two* free arXiv-type preprint services specifically for the earth and planetary sciences : EarthArXiv and ESSOAr (“Dueling Preprint Servers Coming for the Geosciences” by Paul Voosen,

<http://www.sciencemag.org/news/2017/09/dueling-preprint-servers-coming-geosciences>).

EarthArXiv, sponsored by the Center for Open Research and ESIP (Earth Science Information Partners), posted its first submission in October. It currently hosts 185 preprints, organized into subject categories including Earth sciences;

environmental sciences; oceanography, atmospheric sciences, and meteorology. (Notably, there is also a category for “library and information science”, though there are no submissions yet!) The site is clearly designed with a helpful “how to” section aimed at those new to submitting preprints.

ESSOAr – the Earth and Space Science Open Archive – is scheduled to open next year and will be operated by the American Geophysical Union in conjunction with Atypon, a Wiley subsidiary. An international advisory board drawn from leading geoscience societies will provide guidance. According to a September 21 news release in *Eos*

(<https://doi.org/10.1029/2017EO082921>), ESSOAr will archive and disseminate not only manuscripts but also “citable presentations, posters, and related multimedia content from scientific conferences”.

While both initiatives are targeting the same community there are notable differences between them. EarthArXiv is built on community-driven open source software tools

and workflows called Open Science Framework. ESSOAr uses Atypon’s proprietary Literatum online content hosting and management platform, which is used by major STEM publishers worldwide. While EarthArXiv is accepting only manuscript submission (at least initially), ESSOAr is open to diverse content types. Both services will assign DOIs to each submission upon posting, so that they become citable and shareable immediately.

Whether or not the two services end up complementing or competing with each other remains to be seen, but regardless, their emergence is welcome news for the geoscience community, which has lagged other communities (arXiv for physics and astronomy; ChemRxiv for chemistry; bioRxiv for life sciences) in having an openly accessible, discipline-specific repository for electronic preprints.

Regional geology journals: The following journals focusing on regional geology – some formerly published as subscription titles – were recently added to the Directory of Open Access journals:

Boletín de Ciencias de la Tierra (Universidad Nacional de Colombia) –

<https://revistas.unal.edu.co/index.php/rbct>

Bulletin of the Marine Geology (Marine Geological Institute of Indonesia) –

<http://ejournal.mgi.esdm.go.id/index.php/bomg>

Geodesy and Geodynamics (Institute of Seismology, China Earthquake Administration) –

<http://www.keaipublishing.com/en/journals/geodesy-and-geodynamics/>

JGEET: Journal of Geoscience, Engineering, Environment and Technology (Universitas Islam Riau, Indonesia) –

<http://journal.uir.ac.id/index.php/JGEET>

Journal of Sedimentary Environments

(Universidade do Estado do Rio de Janeiro) –

<http://www.e-publicacoes.uerj.br/index.php/jse>

Revista Brasileira de Geomática (Universidade Tecnológica Federal do Parana, Brazil) – <https://periodicos.utfpr.edu.br/rbgeo>

Member Publications

GSIS Proceedings Volume 44 is now published!

Volume 44 - 2013, 2014, 2015 & 2016: FOUR YEARS OF EARTH SCIENCE INFORMATION: Exploring Data, Access, and More - Proceedings of the 48th, 49th, 50th, and 51st Meetings of the Geoscience Information Society

Proceedings of the 47th Meeting of the Geoscience Information Society held October 26-30, 2013 in Denver, Colorado, USA;

October 18-22, 2014 in Vancouver, British Columbia, Canada; October 31-November 3, 2015 in Baltimore, Maryland, USA; and September 24-28, 2016 in Denver, Colorado, USA

Kudos to Matt Hudson for editing 4 years of Proceedings! And congratulations to the many GSIS members who have articles published in V. 44

It is Open Access and available at:
<http://hdl.handle.net/1969.1/164988>

Geologic Field Trip Guidebooks : new and newly identified

Compiled by Linda Musser, Guidebooks Committee co-chair

Anthony, Robin. *Recent Geologic Studies & Initiatives in Central Pennsylvania – Stratigraphy, Engineering and Hydrogeology, State College, Pennsylvania*. 82nd Field Conference of Pennsylvania Geologists, Harrisburg, Pennsylvania, 2017.

Antonioli, Ted and Peter Ellsworth. *Guidebook for Field Trip to Philipsburg Mining District*. In: *Geology of Metallic Mineral Deposits, Northern Rockies, USA*. Open file report 685. Montana Bureau of Mines and Geology, Butte, Montana, 2017.

Bailey, Christopher M., Shelley Jaye, and Geological Society of America. *From the Blue Ridge to the Beach: Geological Field Excursions Across Virginia*. vol. 47, The Geological Society of America, Boulder, Colorado, 2017.

Barineau, Clinton and James Tull. *Taconic Backarc and Arc Terrane in the Southern Appalachians: Correlating Geologic Units of the Blue Ridge and Western Inner Piedmont of Georgia and Alabama*, Guidebook 36. Georgia Geological Society, Carrollton, Georgia, 2017.

Bauer Morton, Jennifer. *Coast to Cactus: Geology and Tectonics, San Diego to Salton Trough, California*. San Diego Geological Society, Inc, San Diego, California, 2014.

Boggs, Katherine and Debra Hanneman. *Tectonics, Climate Change and Evolution: Southern Canadian Cordillera, 2014 Association for Women Geoscientists Annual Field Trip*. Association for Women Geoscientists, 2016.

Bornhold, Ted and Margaret Hanson. *Field trip guidebook to the 63rd annual meeting of the Institute on Lake Superior Geology, Wawa, ON, May 8-12, 2017*. Institute on Lake Superior Geology, 2017.

Castonguay, Sebastien. *Quebec ville Fortifiee; Patrimoine Geologique et Historique; Guide*

d'Excursion. Open file report 8184. Geological Survey of Canada, Ottawa, Canada, 2017.

Davis, Richard A., Jr, et al. *Geology of the Baraboo, Wisconsin Area*. vol. 43, Geological Society of America, Boulder, Colorado, 2016.

DeCourten, Frank and Norma Biggar. *Roadside Geology of Nevada*. Mountain Press, Missoula, Montana, 2017.

Diffendal, R. F., *Great Plains Geology*. University of Nebraska Press, Lincoln, Nebraska, 2017.

Doar, William R., III, Geological Society of America. Southeastern Section Meeting Columbia, S.C., and Geological Society of America. *Gold, Structures, and Landforms in Central South Carolina: Field Guides for the 2016 GSA Southeastern Section Meeting, Columbia, South Carolina*. vol. 42, Geological Society of America, Inc, Boulder, Colorado, 2016.

Excursion Guidebook: 123th Annual Meeting of the Geological Society of Japan, 2016 Tokyo. [Chishitsugaku Zasshi = Journal of the Geological Society of Japan](#), v. 122, no. 8. Nippon Chishitsugaku Gakkai, Tokyo, Japan, 2016.

Excursion Guidebook: 124th Annual Meeting of the Geological Society of Japan, 2017 Ehime. [Chishitsugaku Zasshi = Journal of the Geological Society of Japan](#), v. 123, no. 7 (July). Nippon Chishitsugaku Gakkai, Tokyo, Japan, 2017.

Field-trip guides to selected volcanoes and volcanic landscapes of the western United States. Scientific investigations report 2017-5022. U.S. Geological Survey, Menlo Park, California, 2017.

Fryxell, Brian Kraatz Jade Star Lackey Joan E. *Field Excursions in Southern California: Field Guides to the 2016 GSA Cordilleran Section Meeting*. v.45, Geological Society of America, Boulder, Colorado, 2017.

Galicki, Stan and Darrel Schmitz. *Roadside Geology of Mississippi*. Mountain Press, Missoula, Montana, 2016

Gans, E. *Field Trip Guidebook for Spring Conference Santa Barbara City College, April 1-3, 2016*. Santa Barbara City College, Santa Barbara, California, 2016.
<http://instructors.sbccc.edu/meyerj/documents/NAGTGuidebookcompiled.pdf>

Greenfield, J.E., Kevin Capnerhurst, P. Duerden, David Meates, and Jonathon Hoyte. *Northparkes and Tomingley Mines in the Junee-Narromine Volcanic Belt: conference field trip guide*. Geological Survey of New South Wales, Australia, 2017.

Hannibal, Joseph T., Kyle C. Fredrick, and Geological Society of America. *Forts, Floods, and Periglacial Features: Exploring the Pittsburgh Low Plateau and Upper Youghiogheny Basin*. vol. 46, Geological Society of America, Boulder, Colorado, 2017.

Haugerud, Ralph A., and H. M. Kelsey. *From the Puget Lowland to East of the Cascade Range: Geologic Excursions in the Pacific Northwest*. vol. 49, Geological Society of America, Boulder, Colorado, 2017.

Hoffman, G. *Field Guide to the Geology of Northeastern Oman*. Borntraeger, Stuttgart, Germany, 2016.

Hsieh, Jean C. C., Geological Society of America. Rocky Mountain Section Annual Meeting. *Geologic Field Trips of the Canadian Rockies: 2017 Meeting of the GSA Rocky Mountain Section*, vol. 48, Geological Society of America, Rocky Mountain Section, Boulder, Colorado, 2017.

Jackson, Chester, Tim Chowns, Burt Carter, Don Thieme, Jim Renner and Clark Alexander. *Rising Sea Level on the Georgia Coast*. Guidebook 35. Georgia Geological Society, Carrollton, Georgia, 2016.

Johnson, Beverly and Dykstra Eusden. *Guidebook for the Field Trips in Western Maine and Northern New Hampshire*. New England Intercollegiate Geological Conference, 2017.
<http://scarab.bates.edu/neigc2017/complete-fg/>

Kaden, Scott. *Geologic Considerations of Constructing the Clarence Cannon Dam and Tour of the Facility and Continental Cement, Lover's Leap and Cameron Cave*. Association of Missouri Geologists, 2016.

Karlstrom, Karl E., David Gonzales, Matthew Zimmerer, Matthew Heizler, and Dana Ulmer-Scholle. *The Geology of the Ouray-Silverton Area*. New Mexico Geological Society, Socorro, New Mexico, 2017.

Kath, Randy, and Timothy Chowns. *Origin of ore deposits in the Cartersville Mining District & Stratigraphic and Kinematic evidence for the separation of the Cartersville -Great Smoky and Emerson -Talladega Faults*. Guidebook v.34. Georgia Geological Society, Carrollton, Georgia, 2015.

Keller, Stephen M., Matthew L. Morgan, and Geological Society of America. *Unfolding the Geology of the West*. vol. 44, Geological Society of America, Boulder, Colorado, 2016.

Kidd, W. S. F. *Field Trip Guide for SUNYA Department of Geological Sciences Reunion, 12th August 2017- Geology of the Upper Hudson River Valley*.
<http://www.atmos.albany.edu/geology/webpages/DOGSfieldtripguide20170812r.pdf>

Kring, D. A. *Guidebook to the Geology of Barringer Meteorite Crater, Arizona (aka Meteor Crater)*. 2nd edition. Lunar and Planetary Institute, 2017.
http://www.lpi.usra.edu/publications/books/barringer_crater_guidebook/crater_guidebook.pdf and additional field trip details here: <http://metsoc2017-santafe.com/field-trips-activities>

Leckie, Dale. *Rocks, Ridges and Rivers: Geological Wonders of Banff, Yoho, and Jasper National Parks*. Broken Poplars, Canada, 2017.

Lewis, Reed S. and Keegan L. Schmidt. *Exploring the Geology of the Inland Northwest*. vol. 41, Geological Society of America, Boulder, Colorado, 2016.

Lund, William, Steven H. Emerman, Weihong Wang, and Alessandro Zanazzi. *Geology and Resources of the Wasatch: Back to Front*. Utah Geological Association, 2017.

McDonald, Katie, Bruce Cox, and Phyllis Hargrave. *Geology of the Leadore Area, Idaho and Other*

Papers. Tobacco Root Geological Society, Butte, Montana, 2017.

Neogene of Central and South-Eastern Europe, 7th International Workshop 28-31 May 2017, Velika Croatia – Field Trip Guidebook. Croatian Geological Society, Zagreb, Croatia, 2017.
<http://www.7ncsee2017.com/images/7NCSEE-Field-trip-guidebook.pdf>

Panno, S.V., et al. *Guide to the Geology, Hydrogeology, History, Archaeology, and Biotic Ecology of the Driftless Area of Northwestern Illinois, Jo Daviess County*. Illinois State Geological Survey, 2016.
<http://hdl.handle.net/2142/95983>

Rittenour, T. and Kerry Riley. *Geomorphology of the Grand Staircase Region of the Colorado Plateau*. 2016 Rocky Mountain Friends of the Pleistocene field trip.
<http://www.usu.edu/geo/luminlab/FopFieldGuide.pdf>

Stäheli, Patrick. *Kalifornien II- Norden und Westen - Klamath Mountains, Modoc Plateau, Central Valley, Coast Ranges, Sierra Nevada und Mother Lode, Geologie und Exkursionen*. Sammlung Geologischer Führer, Band 109. Borntraeger, Stuttgart, Germany, 2017.

Sylvester, A. G. and Libby Gans. *Roadside Geology of Southern California*. Butte, Montana, Mountain Press, 2016.

Wagreich, Michael and Holger Gebhardt. *10th International Symposium on the Cretaceous, Vienna, August 21–26, 2017 – field trip guide book*. Berichte der Geologischen Bundesanstalt nr.121., Geologische Bundesanstalt, Wien, Austria, 2017.

White, William B., and National Speleological Society. Mid-Appalachian Region. *Karst of Sinking Valley and Kookon Cave, Huntingdon and Blair Counties*. vol. 21, National Speleological Society, Mid-Appalachian Region, Harrisburg, Pennsylvania, 2012.

Willsey, Shawn. *Geology Underfoot in Southern Idaho*. Mountain Press, Missoula, Montana, 2017.

Woodruff, C.M. *Canyon Dam Spillway Gorge and Natural Bridge Caverns: Geologic Excursions in the Balcones Fault Zone, Central Texas*. Guidebook 29. Texas Bureau of Economic Geology, Austin, Texas, 2017.



Figure 1: Members socialize at the Early Bird No-Host Dinner at Pike Brewing Co.



**Highlights from the
2017 GSIS/GSA
Conference: A Photo
Essay**

**Photos and Captions
by Shaun Hardy**



Figure 2: Members review the agenda at the Business Meeting.

Figure 4: Matt Hudson passes the gavel to incoming president Bob Tolliver at the close of the Business Meeting.



Figure 3: Meet our 2018 Executive Board.
Front row: Matt Hudson, Amanda Bielskas,
Bridget Thrasher. Back row: Sam Teplitzky,
Bob Tolliver, Chris Badurek, Michael Noga.



Figure 5: Chris Badurek and a student volunteer preside at the technical session on “Discovery and Preservation of Geoscience Data and Information Resources”.



Figure 6: Presenters at the Vendor Update/Information Resources Forum: Bob Tolliver (convener), Matt Hudson (GSA), Neal Marriott (GSL), Ted Bakamjian (SEG), Marc Segers (GSW), Brooks Hanson (AGU).



Figure 7: Geoscience Librarianship 101 instructors Linda Zellmer, Amanda Bielskas, and Sam Teplitzky, and coordinator Clara McLeod are congratulated on another successful pre-conference workshop.





Figure 8: Clara McLeod presents the Mary B. Ansari Distinguished Service Award to Linda Zellmer (Western Illinois University) at the GSIS-Geoinformatics Division Joint Reception.

Figure 9: Co-authors Libby Gans and Arthur G. Sylvester (UC Santa Barbara) thank the Guidebooks Committee and GSIS for recognizing Roadside Geology of Southern California (Mountain Press, 2016) with the new Best Guidebook (Popular)

Figure 10: Martin Meschede (University of Greifswald) accepts the Ansari Best Geoscience Research Resource Award from Rusty Kimball for Encyclopedia of Marine Geosciences (Springer, 2016).



Figure 11 (left): Monica Pereira presents the Best Guidebook Award to David A. Kring (Lunar and Planetary Institute) for his Guidebook to the Geology of Barringer Crater, Arizona, 2nd edition (LPI, 2017).

Figure 12 (right): Matt Hudson accepts the Outstanding Geologic Field Trip Guidebook Series Award on behalf of the Geological Society of America from Monica Pereira.



Figure 13: GSIS member and guests enjoy a tour of the Washington Talking Book and Braille Library (photo courtesy of WTBBL).



Figure 14: Inspecting a day's circulation of recorded books at the Washington Talking Book and Braille Library.



Geoscience Information Society 2017 Budget

Prepared by Lori Tschirhart 11/17/17

	Income Budgeted	Income Actual	Expense Budgeted	Expense Actual	Notes and Updates
MEETINGS					
2017 Meeting (rooms, AV, internet, lunches, refreshments, reception, exhibits)			\$7,400.00		
Field Trip(s)			\$300.00		
2016 Meeting costs invoiced in 2017					
Sponsorship	\$5,000.00				
Subtotal	\$5,000.00	\$0.00	\$7,700.00		
DUES					
Institutional	\$300.00				
Personal (all categories)	\$3,000.00				
Subtotal	\$3,300.00	\$0.00	\$0.00		
REPRESENTATIVES/APPOINTEES					
Publicity Officer			\$50.00		
Auditor			\$25.00		
Subtotal			\$75.00		
COMMITTEES & SERVICE POSITIONS					
Archivist			\$150.00		
Award Certificates and Frames (Best Resource, Best Paper, Best Guidebook, Distinguished Service)			\$175.00		
Best Paper Award Committee			\$25.00		
Distinguished Service Committee			\$25.00		
Best Resource Work Committee			\$25.00		
Exhibits			\$50.00		
Guidebooks Committee and Subcommittees			\$50.00		
Membership			\$50.00		
Nominating			\$75.00		
Webmaster Fees			\$25.00		
Subtotal	\$0.00		\$625.00		

Geoscience Information Society 2017 Budget

Prepared by Lori Tschirhart 11/17/17

	Income Budgeted	Income Actual	Expense Budgeted	Expense Actual	Notes and Updates
MISCELLANEOUS					
AGI Member Society Dues			\$270.00		
DC.Gov Bi-annual filing fees			\$130.00		
Ansari Best Reference Award			\$500.00		
Ansari Distinguished Service Award			\$500.00		
Geoscience Librarianship 101			\$500.00		
Gifts (unrestricted)	\$200.00				
Internet Domain Name Services (paid biennially)			\$80.00		
Bank Charges			\$30.00		
PayPal			\$100.00		
Survey Monkey			\$204.00		
Postage reimbursements			\$75.00		
One-time GeoSci Librarianship Instructor travel expense reimbursement			\$1,800.00		300 per on-site instructors: Clara McLeod, Stephanie Earls, Linda Zellmer, Amanda Bielskas, Samantha Teplitzky, Mary Ellen Veda
Interest	\$25.00				
Subtotal	\$225.00		\$4,189.00		
TOTAL	\$8,525.00		\$12,589.00		
Green lines = Income Purple lines = Expenses					