



MESSAGE FROM
THE CHAIR
[PAGE 1](#)

GSA CONNECTS 2022
[PAGE 3](#)

NEWS, EVENTS, &
OPPORTUNITIES
[PAGE 5](#)

MORE CONFERENCES!
[PAGE 7](#)

SPOTLIGHT: 2022
AWARD RECIPIENTS
[PAGE 7](#)

FUN AND GAMES
[PAGE 10](#)

THE MUCKREADER

Letter from the Editor

Dear Limnogeologists,



Hello lake lovers! Firstly, please excuse any typos, after the last Muckreader was released I welcomed my daughter into the world. This edition was therefore produced by a seriously sleep deprived editor and written in part in the back of my car while she napped.

Now back to the serious stuff. We have an action packed edition with GSA Connects 2022 chock full of limnological activities, there is much to share. Head on over to page 3 for a rundown of all the Limnogeology Divisions activities at GSA Connects 2022. If GSA Connects has you looking for your next conference see page 6 for other limnogeology friendly conferences, put together by Vice Chair Kirsten Menking.

I hope everyone has a great time at GSA Connects,

Andrea Shilling, *Limnogeology Division Secretary & Muckreader Editor*, shilling.andrea@gmail.com

Message from the Chair

October, 1st 2022

The Limnogeology Division has a great deal going on over the next several months. While this is a good problem to have, it also means that there is a lot of information to convey in this newsletter. Hopefully we will see you in Denver during GSA Connects 2022! The Limnogeology Division has a robust suite of activities at the meeting in which we hope you will consider participating.

We need your help staffing the booth! The booth must be staffed at all times and we need members to help out. Please sign up on the Google document linked to an email sent from Vice Chair Kirsten Menking. Even if you are unable to help staff the booth, please stop by; we would love to meet and get to know our members better. The booth will include numerous activities, division t-shirts for purchase, opportunity to express interest in service to the Division, candy, and delightful conversation.

“One of the benefits of being the smallest GSA division is that a single member can make a major contribution to the Limnogeology Division.”

Please also consider attending the Limnogeology Division awards reception to honor our 2022 Israel C. Russel Award recipient, **Christopher A. Scholz**, and 2022 Kerry Kelts Student Research Award recipient, **Hailey K. Sinon**. This event is not only an opportunity to recognize our awardees, but a terrific opportunity to meet other like-minded limnoscienceists. And please do not worry about lost in the crowd as the members of the Limnogeology Division will be readily recognizable.

If you are nearing completion of a Ph.D. or are a relatively newly minted Ph.D., please consider participating in the Advanced Graduate Student/Early Career Discussion Group outlined below. The topics addressed will be determined by those who participate, and it is also an opportunity to meet other division members of your academic cohort. If you are a mid-career geoscientist who may benefit from interaction with a group of individuals at a similar career stage, please

consider joining the Mid-Career Discussion Group.

One of the benefits of being the smallest GSA division is that a single member can make a major contribution to the Limnogeology Division. The Division needs members as officers and to serve on the following committees:

- Nominating Committee → Solicits nominees for the Division officers, Russell Award, and GSA Fellows.
- Israel C. Russell Award Committee → Two-year term that may be repeated.
- Program Committee → Solicit, plan, organize, facilitate division program activities including topical and Pardee sessions at the annual and section meetings, core workshops, short courses, and field trips.

If you are interested in potentially seeking a position as a division officer, serving on any of these committees, or have questions about involvement in the Division, feel free to contact me at japrice1@wsc.edu.

As always, if you have any comments or suggestions for the Limnogeology Division management board, please do not hesitate to reach out. The management board consists of the following individuals:

Chair: Jason Price, japrice1@wsc.edu

Vice-Chair: Kirsten Menking, kimenking@vassar.edu

Secretary: Andrea Shilling, shilling.andrea@gmail.com

Treasurer: David Finkelstein, FINKELSTEIN@hws.edu

Past Chair: Lisa Park Boush, lisa.park_boush@uconn.edu

Graduate Student Representative: Elena Robakiewicz, elena.robakiewicz@uconn.edu

Undergraduate Student Representative: Mackenzie Eskey, maeske01@wsc.edu



Respectfully submitted,

Jason R. Price, Limnogeology Division Chair, Wayne State College – japrice1@wsc.edu

Limnogeology Division @ GSA CONNECTS 2022

✱ [Topical Sessions](#)

Session Number and Title	Date and Time	Location
T144. Lakes Past, Present, and Future—Archives of Climate Variability, Paleoenvironment, Geohazards, and Economic Resources I	Sunday, 9 October 2022, 8:00 a.m. to 12:00 p.m.	Colorado Convention Center 607
T144. Lakes Past, Present, and Future—Archives of Climate Variability, Paleoenvironment, Geohazards, and Economic Resources II	Sunday, 9 October 2022, 1:30 p.m. to 5:30 p.m.	Colorado Convention Center 607
T144. Lakes Past, Present, and Future—Archives of Climate Variability, Paleoenvironment, Geohazards, and Economic Resources (Posters)	Monday, 10 October 2022, 9:00 a.m. to 1:00 p.m.	Colorado Convention Center – Exhibit Hall F
T112. Halo-Dash: The Deep and Shallow History of Aquatic Life's Passages between Marine and Freshwater Habitats	Monday, 10 October 2022, 1:30 p.m. to 5:30 p.m.	Colorado Convention Center – Mile High Ballroom 4A

✱ [Division Booth](#)

Come visit the Limnogeology Division booth, your source for all things limnogeology! The booth will include numerous activities, division t-shirts for purchase, opportunity to express interest in service to the Division, candy, and delightful conversation. Want to help out the division? Need a break from talks? Want to meet limno-minded folks? We need division members to help staff the booth, scan the QR code and sign up.



* Grab your copy of GSA BINGO at the booth!



✱ Awards Reception

Please consider attending the Limnogeology Division awards reception to honor our 2022 Israel C. Russel Award recipient, **Christopher A. Scholz**, and 2022 Kerry Kelts Student Research Award recipient, **Hailey K. Sinon**. This event is not only an opportunity to recognize our awardees, but a terrific opportunity to meet other like-minded limnoscience scientists. And please do not worry about lost in the crowd as the members of the Limnogeology Division will be readily recognizable. The detail of the awards reception are as follows:

Title	Date and Time	Location
GSA Sedimentary Geology Division, Society for Sedimentary Geology (SEPM), and Limnogeology Division Joint Awards Reception	Tuesday, 11 October 2022, 5:30 p.m. to 8:00 p.m.	Colorado Convention Center – Mile High Ballroom 4E/4F

✱ Advanced Graduate Student/Early Career Discussion Group

If you are nearing completion of a Ph.D. or are a relatively newly minted Ph.D., please consider participating in the Advanced Graduate Student/Early Career Discussion Group outlined below. The topics addressed will be determined by those who participate, and it is also an opportunity to meet other division members of your academic cohort.

Title	Date and Time	Location
Advanced Graduate Student/Early Career Discussion Group	Tuesday, 11 October 2022, 10:30 a.m.	Meet at the Limnogeology Division booth in the Exhibit Hall.

✱ Mid-career Discussion Group

If you are a mid-career geoscientist who may benefit from interaction with a group of individuals at a similar career stage, please consider joining the Mid-Career Discussion Group. The details of this event are as follows:

Title	Date and Time	Location
Mid-Career Discussion Group	Tuesday, 11 October 2022, 9:30 a.m.	Meet at the Limnogeology Division booth in the Exhibit Hall.

News, Events, & Opportunities

Service Opportunities in the Limnogeology Division

One of the benefits of being the smallest GSA division is that a single member can make a major contribution to the Limnogeology Division. The Division needs members as officers and to serve on the following committees:

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•Program Committee Solicit, plan, organize, facilitate division program activities including topical and Pardee sessions at the annual and section meetings, core workshops, short courses, and field trips.

If you are interested in potentially seeking a position as a division officer, serving on any of these committees, or have questions about involvement in the Division, feel free to contact me at japrice1@wsc.edu.

New Division Webmaster

The Limnogeology Division welcomes **Jordan Booth** to manage the microsite. Jordan is a senior computer science major at Wayne State College in Wayne,

Nebraska. Being such a competent computer scientist, Jordan is currently involved in geoscientific research by developing a user-friendly frost-cracking intensity calculator in the Python programming language with the ability to export results to Excel. The Division thanks outgoing webmaster **David Warburton** for many years of service.



Jordan Booth

Call for Applicants:

✳ 2023 Kerry Kelts Research Award

This award is for undergraduate or graduate student research and is named in honor of Kerry Kelts, a visionary limnogeologist and inspiring teacher.

This year, **one award of \$1,500 for research related to limnogeology, limnology, or paleolimnology** is available.

The 2023 application period for the Kerry Kelts Research Award of the GSA Limnogeology Division is open until February 1, 2023. (continued page 6)

✱ Kelts Research Award Cont.

Prepare your application as a PDF titled:
"Kelts Award application [*Your Last Name*]"

★ Send applications to Division Chair Jason Price (japrice1@wsc.edu)

The application consists of:

- **5 page research summary** with description of the proposed research including:
 - title
 - limnogeological significance
 - why the award funds are needed for the project
 - brief description of other funding sources
 - 5 page max includes figures and captions; *list of references not included in page limit
- **Short CV** (two pages maximum).

✱ 2023 Israel C. Russell Award

The Israel C. Russell Award is given by the Division to an individual who has had a significant impact on the field of limnogeology, including contributions in the areas of research, teaching, and service to the Society. Nominations for the award should be sent to the Division Treasurer, David Finkelstein (FINKELSTEIN@hws.edu) by 1 February 2023.

Funding Opportunities:

✱ CLIVAR Research Foci open call for funding - deadline is October 31 2022, scan QR code below:



✱ PAGES has a support page where one can apply for funding to bring groups of scientists together to work on a problem related to Earth's climate system history, scan QR code below:



Limnogeology Friendly Conferences

✱ Joint International Association of Limnogeology and International Paleolimnology Association Meeting, Argentina, 27 November - 1 December 2022, scan QR code below for more information:



✱ PACLIM 2023, Pacific Climate Workshop, Pacific Grove, CA, USA 26 February - 1 March 2023, scan QR code below for more information:



Spotlight: 2022 Division Awards winners

Kerry Kelts Research Award Winner:

Hailey Sinon, University of Pittsburgh

Assessment of the Mobilization of Permafrost-derived Organic Carbon into North Slope Lakes, Arctic Alaska Spanning the Last 35ka



Israel Russell Award Winner:

Dr. Chris Scholz, Syracuse University

Citation by Drs. Andy Cohen and Thomas Johnson on next page.



Citation for Dr. Scholz by Drs. Andy Cohen and Thomas Johnson

“With this letter we nominate Professor Christopher Scholz of Syracuse University for the 2021 Israel Russell Award of the Limnogeology Division of the Geological Society of America. Both of us have known and worked closely with Chris for decades and have a deep knowledge of his career and the extraordinary impact he has had on the field of limnogeology.

Chris is one of the world leaders in the application of seismic stratigraphic techniques to the study of lake basin history. Through a combination of deep understanding of lake systems and judicious choice of important scientific questions he has led the charge in some of the most ground-breaking studies integrating seismic and sediment core data from lakes around the world to answer fundamental questions about lake system evolution, often linked to important broader issues in paleoclimate and regional tectonics. Unquestionably Professor Scholz’s most seminal contributions have centered around his work in the East

“Chris is one of the world leaders in the application of seismic stratigraphic techniques to the study of lake basin history.”

African Rift Valley. In the 30+ years since his widely cited study in *Science* with his then PhD advisor Bruce Rosendahl using seismic stratigraphy to delineate climatically-driven low stands in the large African rift lakes, Professor Scholz has built a reputation as one of the most innovative and meticulous users of seismic reflection data to document lake histories. He has lent his talents to seismic and coring campaigns in lakes across Africa, in Siberia and across the United States. His insights about lake history have allowed him to take leadership roles in a number of very high profile scientific drilling projects, at Lakes Malawi and Bosumtwi. In the former case (where both of us were also PIs), Chris’ leadership in organizing an extraordinarily complex drilling project (the first ICDP project to use a large, modified-vessel platform and dynamic positioning) and dealing with remarkable skill with the challenges our team faced during that expedition were evident for everyone to see.

Numerous limnogeological insights that have come from the Malawi project about the combined roles of climate and tectonics in shaping the African rift system, not to mention the many other

combined coring and seismic campaigns Chris has led at Lakes Turkana, Kivu, Malawi and Edward. In total, Professor Scholz has been Chief or co-Chief Scientists on an extraordinary 19 research expeditions over his career, and has participated in numerous other ones as a team member. The impact of his body of work is evident from how widely cited his research has been. Professor Scholz's almost 100 peer-reviewed publications, many in high-profile journals, have garnered over 6000 citations (Google Scholar, Feb. 1, 2021) with an h-index of 41. Thirteen of these papers have been cited over 100 times, and nine have been in GSA sponsored journals.

Professor Scholz has been an active and influential participant in service to the limnogeology community, through membership on the Science Advisory Group of the International Continental Drilling Program, his activities with the NSF-GEOPRISMS Program, Associate Editorship with *Sedimentology* and

service as a Distinguished Lecturer for AAPG and for the NSF-GEOPRISMS. He has mentored 16 graduate students and seven post-docs over his career, many of whom have gone on to distinguished careers of their own. He is an innovative teacher, having taught numerous courses not only at Syracuse but in interdisciplinary field training programs in Africa at Lakes Kivu and Tanganyika. At home has lent his limnogeological expertise to community lake conservation outreach efforts in upstate New York.

“For all of the reasons of exceptional leadership enumerated above, we believe Professor Christopher Scholz would be an outstanding choice as a recipient of the 2022 Israel Russell Award..”

For all of the reasons of exceptional leadership enumerated above, we believe Professor Christopher Scholz would be an outstanding choice as a recipient of the 2022 Israel Russell Award.”

Some Types of Lakes

VMKXMNOZNDWCWAMB J Z PERENNIALNER
 KEGVDYLAPIATEWOLJ DUFQWTANTUJWC
 SSIAZOVVIOEVJ RXOPBKXVOPGMUJWFU
 HOLPTOPDTT AJEDGVXBFYJNPUIVISH
 HTSCVVTWRYIGACGRRASPDGBADCYAE
 HRAWQVURYANTHROPOGENICMJCAGTQL
 VOCYTEFLKVIRLHMKZUFUSKUEIRBZII
 XPJLAPEJUUERNDZOMWCVF GPXDYAFOC
 QHPOLYMICTICPCOJNGZUQVFNXLSIOP
 FITZWLFYCEMQDYLFQOQPGMTKXVCNDZ
 UCPFXLANDSLIDEISMNMEDHTSXNPGQE
 EPHEMERALCYWYDGAAEEIAEOLIANEME
 FNEDZEFRAHOKJPOTJLTOCVKVZFQRFI
 GSYQEKLBZMPPSF TOQGTEFTURIKUVBZ
 DXCAVCVZYSMXGZRXBAKOMJ IEXLHUBH
 OMEROMICTICBHP OOKWKOWDCSAHXVJ
 LJMQANNDELKBLHPCKMUFLGWNQQAII F
 YLZMGTPPLAYCCJHOXBOWSF GYXAFIWR
 ANNGLL EMTS AAPJ IHCWRCFKGEPCLHEF
 CQWLUIARTEIYIOCCNPXCGLCF CJRDRS
 AYBTICSCPSCXP PUWOSLMWUFCPCIFZG
 SQRONGKOIAWTCEUTROPHICXVXACGQR
 MBSMFEDELALYOXGTGDIMICTICGULKV
 FRGFRXWAROLEPNVNLSHORELINECFOI
 DDDHATYPBIYWOYIZNBPLAYAKHVFKMK
 HKXCJKHDOJXTKRPCS IKXSSYZRPXBAF
 BIQGGPLZVHOLOMICTICHRLEOSJDSUF
 KFYEFEEQEPRMJPEGSMJQYVJBBYMFFRN
 MTCRVVUTWQGCMJZVUIPXURMVBY YUEI
 GTNJ EHYHYPERTROPHICVOLCANICOMW

anthropogenic	hypertrophic	oligotrophic	mesotrophic
monomictic	polymictic	holomictic	meromictic
eutrophic	perennial	landslide	ephemeral
shoreline	dimictic	tectonic	volcanic
aeolian	glacial	amictic	crater
finger	playa	paleo	oxbow
acid	salt		

(Word find created at [education.com/worksheets-generator](https://www.education.com/worksheets-generator))

GSA Scavenger Hunt

- * Multiple bearded people deep in conversation together
- * Flannel, all the flannel
- * Someone in field boots
- * Someone with more than 5 ribbons on their name badge
- * Someone who looks like Charles Darwin
- * Vendor selling over priced crystals
- * Swag, including pens, candy, postcards, and whatever cool thing NASA is giving out this year
- * Someone with luggage at a talk
- * A talk with standing room only
- * That sweet sweet beer hour beverage
- * Someone gives you their free beer ticket
- * A poster with too much text
- * A poster with too little text
- * A poster with a QR code
- * Conference coffee
- * A new friend/future collaborator
- * Add your own GSA must haves:

