

An organization of retirees of the U.S. Geological Survey, whose purpose is to keep its members in touch with each other and their former agency.

President's Message

Fellow Retirees:

I hope everyone is enjoying a safe summer even though there are many reports of severe weather and extremely hot weather. We have some interesting articles in this newsletter. Scientist Emeritus and former Chief Hydrologist, Bob Hirsch, shares his perspective on our Organization in his article entitled "Reflections on Our Retirees' Organization." Mark Anderson prepared a summary of our 50th Anniversary Reunion with selected photos. Also included is information on three very impressive scholarship awardees. In other news, three hydrologic technicians -- Owen Baynham, Brady Long, and Jeff Sallas -- have volunteered to help with recruiting hydrologic technicians to our Organization and to participate in the monthly Officers meetings. Brady and Jeff also have volunteered to host a Retirees' Organization booth at the USGS National Water Data Training Workshop to be held in Phoenix, AZ, August 21-24. Rick Treece, Chair of the Local Arrangements Committee planning the 2025 reunion in Alabama, says they are making good progress with the planning and looking at various locations and venues. We hope to include visits to the National Water Center and the Hydrologic Instrumentation Facility (HIF) as part of the reunion. Rick recently received confirmation that the HIF will be relocating to their new office space in Tuscaloosa around the end of this year. Lastly, my term of office ends this calendar year. I would appreciate it if some of you consider volunteering to run in the Organization's Presidential election. It is a rewarding experience and you get to collaborate with outstanding Board members. More information on the election will be included in the November Newsletter.

Regards, Bill

Watch for officer-election ballot in the November 2023 newsletter.

Positions available starting in 2024:

President and Western Region Representative

**As of this printing, we have a candidate
for the Eastern Region Representative.**

**If you're interested in either position and/or would like more information,
please contact: wrdretirees2014@gmail.com**

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USGS Retirees Reunion Tucson 2023—A Look Back



The Tucson Reunion, aka **“The 20th USGS Retirees Reunion,”** was finally held on March 9-11, 2023, at the Tucson Marriott University Park on the University of Arizona Campus. We use the word “finally” because the event was planned in each of the previous 2 years but postponed due to the Covid pandemic. The strategy of selecting Tucson and Southern Arizona, in part, was to appeal to northerners looking for a respite from colder weather. Fortunately, Tucson weather delivered with daytime temperatures in the 70s to low 80s F and, of course, abundant sunshine. About 62 revelers came together for a variety of activities and gatherings offered over the course of three days to both introduce Tucson to first timers and to facilitate the reminiscing.

Wednesday, March 8



The Local Arrangements Committee (LAC) and several volunteers got together prior to the formal opening of the reunion to put together name tags and registration packets, and to make sure everything was ready.

Thursday, March 9

Winter Golf Outing



The golfers amongst us “teed’em up” Thursday morning at the El Rio Golf Course not far from the Hotel. El Rio has hosted PGA tournaments in the past with some of golf’s greatest players—Arnold Palmer, Lee Trevino, Gary Player. The format for the game was appropriately called a “Shamble.” Each member of the foursome hits a tee shot on each hole. The foursome selects the “best” shot and all members of the foursome play their own ball from that spot until their ball is holed. Three foursomes (Roger Lee, Jeff Stoner, Sandy & Debbie Williamson) (Mark Anderson, Steve Blanchard, and Bill & Linda Carswell) (Lee Case, Bob MacNish,

and Jack & Judy Weeks) battled under a scoring system designed for the occasion with the highest and lowest scores of the four players totaled for the “Team Score.” The event was won by the second foursome (Anderson, Blanchard, and the Carswells), for which a sleeve of golf balls was awarded to each. Apparently, participants were so fixated on their game, no photos exist. All had a great time but will always remember those “turtle back” greens.

Icebreaker on the Outdoor Patio

The formal events for all began with an icebreaker on the patio with finger foods and a free drink to get things going. Many distinguished leaders, scientists, administrators and one hydrologic technician (Owen Baynham) got reacquainted and shared some tall tales. Owen represented the hydro-tech ranks so important to the USGS, yet woefully underrepresented in the retiree’s membership.



Left to right: Owen Baynham, Wes Danskin, Dick Swisshelm, Brett Bruce, Jeff Armbruster, Bob MacNish, Marc Sylvester, and Ivan James halted conversation for a moment to smile for the camera.

Lots of smiles throughout the Icebreaker evening ...



***Front row: Mark & Carla Anderson
and Matt Larsen***



Owen Baynham and Bob Swanson



Dave Lystrom and Janice Ward



Debbie & Sandy Williamson

Hospitality Suite

Festivities continued afterwards and every evening thereafter in the hospitality room.



***Left to right: John McLean, Ken Hollett,
Sandy Williamson and Roger Lee get
reacquainted.***



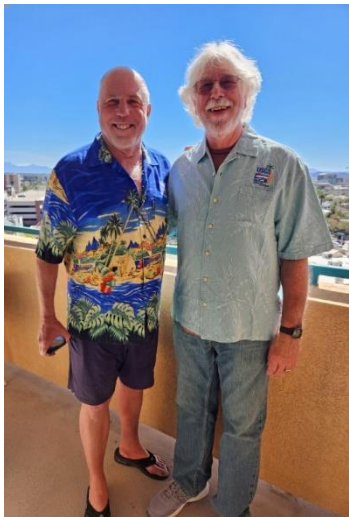
Bob Swanson pulled together an awesome montage of photos from previous reunions and then successfully solved the hotel's many technical challenges for showing presentations.



***Never a dull moment ...
The Hospitality Suite stayed open 24/7 ... 😊***



Zelda Bailey, Carla Anderson, and Bob McNish getting in the spirit.



Wes Danskin and Pat Tucci



Jack Weeks, Rose Ann & George Leavesley, and Judy Weeks

Friday, March 10 Informational Meeting

Friday morning began with an open informational meeting to discuss current business of the Retirees' Organization; to hear updates from current USGS leadership - Director David Applegate and Associate Deputy Director for Water, Joshua Joseph, via Zoom presentations; and to recognize many people who helped and supported the Organization and the Reunion event.



President Carswell introduces USGS Director, Dr. David Applegate, remotely. Dave shared challenges and success of the USGS now and going forward. He was made aware of recruitment difficulties, especially among our technician ranks.



Dr. Joshua Joseph, also was introduced remotely. As recently selected Associate Director for Water, he shared his observations about the Water Mission Area of USGS.

President Carswell thanked the Tucson Reunion Local Arrangements Committee (LAC) for pulling the reunion together. Special recognition was given to one member of the LAC, the late Stanley Leake, who passed away in September 2022. Invaluable assistance was also provided through the whole planning process by Jeff Stoner and Pete Anttila. They graciously shared their experiences having organized at least the last two reunions.



The LAC, Left to right: Lee Case, Sandy Williamson, Pat Tucci, Bob MacNish, and Mark Anderson. The space between Sandy and Pat was left for Stan Leake. (Not pictured are ex-officio members, Jeff Stoner and Pete Anttila.)

City Tour

After the informational meeting, about 32 of us boarded a bus with Floyd Gray (retired USGS--GD) as our tour guide. We spent the afternoon touring Tucson sites including the USGS Arizona Science Center, San Xavier Mission, Tohono O'odham Reservation, Mission Gardens, Santa Cruz River, Sweetwater Wetlands, historic Presidio neighborhood, and home of the infamous gangster John Dillinger.



***First stop the San Xavier Mission
(Founded in 1692).***



***David Tenario of the Tohono O'odham
Nation gives a brief introduction on the
history and culture.***



***Mission Gardens where plants of the ancients
are cultivated today. Some date back thousands
of years.***

Sweetwater Wetlands

Tucson was the largest city in the U.S. totally dependent upon a declining groundwater supply until 1993. The challenge of a sustainable water supply for Tucson was explained by Dee Korich, Chief Hydrologist for Tucson Water, at the Sweetwater Wetlands. The wetlands artificially recharge treated wastewater. Dee explained that because of water banking, Tucson

has about 7 years of supply stored underground even if the Central Arizona Project (CAP) were to be shut off due to drought.



***Dee Korich, Chief Hydrologist for Tucson
Water, explains the water supply dilemma
and the solutions enacted.***

USGS Field Stop

Most notable were the technical briefings from the USGS local office on new technologies to measure streamflow (particle tracking with drones and cell phones) and microgravity to measure groundwater storage change.



Dan Evans, AZ WSC Associate Director for Data, introduces local USGS office staff: Libby Wildermuth, Alfonso Dominguez, and Kurt Ehrenberg who provided technical briefings.



Alfonso Dominguez explains how this U.S.-made drone can measure water velocity safely during flood stages.



Jam Session

Who knew the USGS retiree ranks are endowed with so much musical talent? They came having never played together before as a group and drew a crowd of retirees, hotel guests, staff, and passersby on the street. A good time was had by all!



***The USGS players
Left to right: Pat Tucci,
Eve Kuniarsky, Phil Turnipseed,
Ken Hollett, Matt Larsen, and Randy
Hanson***

Saturday, March 11

Sonoran Desert Museum Tour

About 30 of us boarded a bus to the Arizona Sonoran Desert Museum to get an introduction to the beauty and oddities of the Sonoran Desert. The Sonoran is considered a wet desert (hot temps but with rain) as opposed to the Mojave which is hot and dry.



Jim Nicholas enjoying the Great Outdoors.



Cathy Hill and Joanne Taylor in awe of the Unique flora and fauna of the Sonoran Desert.



Roger Lee communing with nature.



Bill Carswell working on his banquet speech. 😊



Left to right: Ken Lindskov, Ivan James, Pat & Bob Hammond



Marla & Dale Blevins

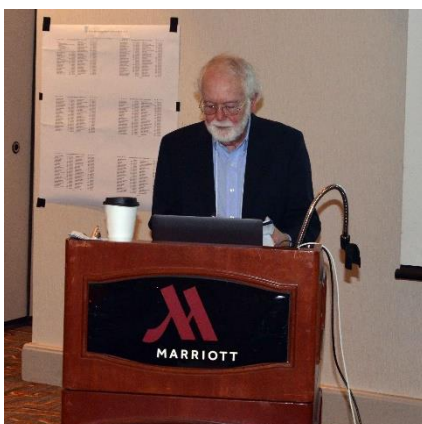
Banquet

The main event banquet was held Saturday evening, where many awards and recognitions were presented and we were entertained by our guest keynote speaker.

Invited Speaker



Robert Webb (USGS retired) gave a most unusual and entertaining keynote talk. Bob touched on some high points and challenges of his USGS career, told some great stories about John Wesley Powell, and finished up with highlights of his successful second career—owning and managing a greenhouse and nursery focusing on rare succulent (cactus) plants.



In Memoriam

Although it is customary at the banquet to do a reading of the names of retirees that have passed since the previous reunion. This year it was not possible because of the large number of those who passed in the 4 years since the last reunion. Instead of the reading, a moment of silence was held and posters were placed in the banquet room with the names of those no longer with us.

Awards



1040 AWARD

At her new home, Jeff Stoner presented Merilee Bennett with the first 1040 Award in recognition of her 10 years of service as Layout Editor publishing 40 issues of the Retirees Newsletter.



GEORGE FERGUSON AWARD (GFA)

The GFA was established years ago in recognition of the founder of the USGS Retirees' Organization. Herb Freiberger and Kate Flynn received the GFA for their accomplishments and long-standing support for the Organization.



Some fun awards were also presented ... who traveled the farthest (Barb Ryan), most reunions attended (Herb Freiberger), and longest retired (John McLean).





And, of course, an award to the person who stopped at the most pubs on the way to the Reunion (Jim Nicholas) 😊

Camera guy,
Lee Case,
breaking for a
well-deserved
refreshment



More evening smiles
Jack & Judy Weeks

TRADITIONAL PHOTOS

As the banquet event was winding down, we gathered the retirees together for a couple of traditional photos—the first timers and a group photo of all who came.



This was the first reunion attended by these retirees. Left to right: Randy Hanson, Steve Hammond, Dale Blevins, Matt Larsen, Brett Bruce, Marc Sylvester, Ken Hollett, Eve Kuniarsky, Phil Turnipseed, Barb Ryan, Bob Swanson, Joanne Taylor, Bob MacNish, and Steve Blanchard.



Group photo of most all USGS attendees. Can you identify all?

Sunday, March 12

We broke camp and said our goodbyes until we see each other again!



Reflections on Our Retirees' Organization

By Bob Hirsch

When Herb Freiburger called me to ask if I would write something from my own perspective in honor of the 50th anniversary of the Retirees' Organization I didn't hesitate for even a second to say yes. I feel personally indebted to this organization and its many hard-working volunteers for creating the association and for keeping it moving forward.

During my tenure as Chief Hydrologist (1994-2008), I attended a few of the reunions (which we often tied to Senior Staff meetings and/or visits to District Offices).... If I may be allowed a digression here, I still favor the position title of Chief Hydrologist to Associate Director for Water. I will never forget what Jan Arneson (who was my secretary at the time) said about the change. "I don't like the change. When I answered the phone and said 'Office of the Chief Hydrologist' it sent a message to anyone calling that my boss is a scientist. If I have to say 'Office of the Associate Director' I will be conveying that my boss is just a bureaucrat. I don't like it." I've always agreed with Jan's point of view, so when I talk about my career history, I tell people that I was the "Chief Hydrologist."

Now back to the main story. I enjoyed getting together with the retirees at these reunions. I would give a short presentation on what's new in the USGS and WRD in particular. I would talk about real-time data on the web, the migration away from mechanical current meters to hydroacoustics, or the re-naming of the "District Office" to "Water Science Center" (a good change in my opinion). I got great questions and comments from the retirees and I learned a lot about their concerns, what excited them about the evolving USGS Water Program, and what made them proud to have served in WRD. I got to see many people who I had interacted with earlier in my career, but also got to meet people who I'd only heard about but never met.

I will mention one memorable dinner conversation I had at the Retirees meeting in the fall of 2000. I got to sit between two of my WRD heroes. On my left was Joe Cragwall (Chief Hydrologist from 1974-1979) and on my right was Ralph Heath (District Chief, North Carolina, 1979-1981). I had known and interacted with Joe almost from my first days at the USGS (I started in August 1976). My office was just down the hall from his and I attended a fair number of meetings and seminars where he was present. What impressed me about Joe over all the years I knew him (and that went well into his retirement) was that he really listened to what people around him had to say. He went out of his way to hear talks by young USGS scientists, at the National Center and at national scientific meetings. In decision meetings, he really processed the ideas and arguments that he heard and then he took action in a way that was totally respectful of all present, but also decisive. I learned from him the value of being a true gentleman although I never even approached his level of achievement in that, but I always saw him as a role model. I kept a picture of him from that meeting on my desk for the rest of my career.

Ralph Heath was an entirely different kind of role model for me. I had so much admiration for how committed he was to pass on his knowledge of hydrology through writing and teaching even while in management positions. Ralph and I had engaged in a fierce intellectual conflict in the early 1980s. Ralph, to his great credit, knew that the USGS needed good statistical methods to be used to extract the underlying trends in our water-quality data from a massive amount of noise. He assigned three people on his staff to tackle the problem: Doug Harned, Kent Crawford, and Charles Daniel. At the same time, they were working on this problem I was working on the same topic in the Branch of Systems Analysis with Dick Smith and Jim Slack.

Ralph wanted to make sure his team got a fair shot setting out the methods to be used in the future across the USGS. He brought me to Raleigh to go head-to-head with his team and he wrote many memos to me posing issues and challenging my approach and promoting those developed by his team. Our arguments were intense, but they were never personal attacks. We shared a desire to do the right thing. From Ralph I learned what it meant to have a vigorous intellectual debate and never let it devolve into animosity, and I also learned the value of a science leader promoting and defending the work of his staff. Those three guys really knew that Ralph was carrying their case forward against the “big shots from Reston.” All of us involved enjoyed the whole experience.

So, it was a real delight for me to sit between these two “giants” of WRD history and trade stories and experiences with them. They both told me a lot about the era of WRD reorganization in which Luna Leopold unified the WRD Districts, eliminating the “stovepipes” of surface water, groundwater, and water quality down to the field level. Joe Cragwall had been selected by Luna to be the first to lead one of these Districts (the Tennessee District). That night I also learned something about the politics of these two men. Ralph said he had to leave the table at 8 PM to watch “his boy” George W. Bush debate that left-wing Al Gore in advance of the November election. Joe made it very clear that he would be in his room rooting for Gore – but, we all parted as friends.

I had a lot of great interactions with retirees, and I learned an enormous amount about how we came to be the organization that we were and how all the parts fit together. One thing I certainly learned that there was a commonality of purpose among them. It wasn’t about people being District retirees, or NRP (National Research Program) retirees, or headquarters retirees, or discipline retirees, it was about all of us from our own backgrounds and positions working toward common goals of building a stronger and stronger scientific organization and better serving the American people. Now, in my own retirement, the one email I always open and read right away is the newsletter – thank you to all who make that happen. It really helps make me feel connected to so many people who I view as an extended family. I also appreciate the dedication that the Retirees’ Organization pays to educating hydrotechs. I think these are people who are really worth investing in. Who knows, some of them may grow to be the future leaders of our organization, following in the footsteps of Cathy Hill and others.

So, I have to say I really appreciated the role of the Retirees’ Organization while I was Chief Hydrologist and I still appreciate it today. Many thanks to all who make it work.

Scholarships 2023



Amelia Lewis (right) receiving scholarship award certificate from Supervisor Richard Kiah (left).

Congratulations to Amelia Lewis of the USGS New England Water Science Center, recipient of a \$1,500 USGS Water Retirees Scholarship. Amelia's current role in the USGS New England Water Science Center is working for the Hydrological Monitoring Branch. She maintains 14 surface-water gaging stations and 4 peak streamflow verification sites in the Keene, NH, area ensuring that accurate data are being collected by data loggers for real-time display to the public and cooperators. She makes 6-week visits to all the streamgage sites verifying that the logged data are accurate, making observations about conditions, taking discharge measurements, and making any corrections to data based on corrections to data based on her findings. She is also beginning to work on continuous records processing.

Amelia writes: Thank you to all members of the USGS Retirees for supporting such a valuable opportunity. I am thrilled to have received this scholarship. I came to USGS a year ago and have learned so much about water science, field work, data analysis and more. Taking physics and calculus courses at New Hampshire Technical Institute made possible by this scholarship will allow me to learn at work and in class. I have a passion for research and will be well prepared to contribute to furthering USGS's mission in the future by the rigorous scientific training I have and will continue to receive as a Hydrologic Technician and the college courses I will take. This award will be instrumental in helping me continue my career growth within the USGS.



Bryce McClenney (left) receiving his scholarship award certificate from his Supervisor Doug Walters (right).

Congratulations to Bryce McClenney of the South Atlantic Water Science Center, recipient of a \$700 USGS Water Retirees Scholarship.

Bryce started with the USGS as a student 17 years ago and is a tremendous addition to North Carolina, the South Atlantic Water Science Center, and the entire USGS. He was nominated for the "Data Person of the Year" at the annual Data Conference several times. He has been quick to learn the techniques and methods of

hydrologic data collection and always eager to embrace new technology and serve as a mentor to others. Bryce has been instrumental in the ongoing development of the USGS Storm Tide Data Collection program and has travelled to numerous states to assist in pre-storm deployment as well as post-storm data collection. Bryce has also developed expertise in GPS data collection tools and has participated in the collection of field data for indirect discharge measurements as well as the computation of indirect discharge. Bryce also currently serves on USGS National Committees for the Next Generation Water Observing System (NGWOS), serving as the training development lead and participating in research and development for new instrumentation and technologies. As stated in the Award, Bryce

is indeed a true representative of the excellence of Hydrologic Technicians who represent the future of the USGS Water Resources Program.

Bryce writes: *I am very honored to be receiving this scholarship to assist with furthering my education. It is such a wonderful program to help take the financial burden off employees who already have a lot on their plate with work and school. After being removed from formal education for nearly 15 years, it was a huge transition to go back to scheduled coursework and tests paired with work and family obligations, but with support from my colleagues, supervisors, family and organizations such as yours the transition has gone well for me. Thank you again for all that you do!*



Amber Thulean (right) receiving her scholarship award certificate from Kevin Wright Supervisory Hydrologic Technician (left).

Congratulations to Amber Thulean of the Upper Columbia Field Office of the USGS Washington Water Science Center, recipient of a \$1,500 USGS Water Retirees Scholarship. Amber is a student at Spokane Community College in Spokane, WA. Her current work duties in the Upper Columbia Field Office of the USGS Washington Water Science Center include assisting coworkers with fieldwork responsibilities such as maintaining streamgages, making discharge measurements, differential leveling, learning the programs to be able to process collected data, reviewing records, and assisting in any other tasks and trainings which help prepare her to be successful in her pursuit to become a USGS Hydrologic Technician.

Amber writes: *Working with the USGS these past 8 months has been a dream come true. When I first came on, I was so excited, but also intimidated and doubtful of my abilities to work amongst such great scientists and in a field dominated by mostly men. I very quickly came to realize that my insecurities were unwarranted, because these great scientists are also great teachers, supporters, and much like a family. I have never felt so welcomed and supported as I have since working here. My peers have gone above and beyond to make themselves available to me for any questions I have, they encourage me to try new things, and never doubt my abilities. My time here has taught me so much about the work performed as a hydrologic technician and the importance of it. I have learned how great it is to work for the federal government and how well they care for their employees. I have also learned a lot about myself and have been more inspired to improve myself every day since being here. There are countless resources and opportunities for learning and growing within the USGS and I couldn't be more grateful for this opportunity. My experience thus far has been more rewarding than I could have imagined, and I look forward to my future in my pursuit of a lifelong career and personal growth with the USGS! Thank you!*

RETIREMENTS



Terrence Conlon retired June 30, 2023. The Northwest-Pacific Islands Region congratulates Terrence on his recent retirement. Terrence joined the USGS after several earlier career positions with Arco Oil and Gas, EPA, and a consulting firm. After these forays, he followed his girlfriend, now wife, to graduate school at the University of Wisconsin Madison, where USGS funded his research combining geophysics and groundwater modeling to evaluate water availability. Upon completion of his M.S., he secured a permanent position with the Wisconsin Water Science Center (WIWSC) in 1990. He was immediately impressed with the

USGS, their science, access to world-renown USGS scientists, courses at the Denver Federal Center, and the nurturing workplace. He developed several long-term professional friendships at the Denver courses. His early career was guided by collaborations with great scientists in Wisconsin, Menlo Park, and Reston on studies to understand groundwater supply, quality, management using models, geophysics, and isotope techniques. The WIWSC office picnics, volleyball team, and canoe trips were icing on the cake. Terrence then accepted a position at the Oregon WSC in 1996 managing a large, multiyear groundwater study in the Willamette Basin. His colleagues introduced Terrence to the area's volcanic geology, western water rights, and Portland's microbrews. The work was challenging and stimulating, especially as he moved into management, first overseeing groundwater staff in 2006, and then as the overall Center Studies Chief in 2016. Terrence was impressed with his employees' passion for science and their drive to provide relevant, high-quality science to USGS and its partners. In this role, he had the pleasure of working with partners who hold USGS science in high regard and appreciate its relevance to their management decisions. These connections and the encouragement of supervisors allowed Terrence to engage in USGS water science in the Klamath Basin in southern Oregon and northern California and in tribal water rights negotiations with the Umatilla Tribes in northeastern Oregon. The office supported fun holiday parties and a fantastic Hood to Coast relay running team. In 2021, Terrence accepted a position with the USGS Northwest-Pacific Islands Region where he coordinated USGS activities in the Klamath Basin, continued to represent the USGS in tribal water rights in the region, represented USGS at the Columbia Basin Federal Caucus, and organized stakeholder meetings during selection of the USGS Integrated Water Science Basin in the Pacific Northwest. He has appreciated the trust and confidence that colleagues in the centers and region have shown him and has enjoyed working with staff in other regions and mission areas. Fortunately, Terrence will be remaining with USGS for a few months on an NDAA as he transitions his successors. Terrence's immediate plans are to celebrate his retirement with some outdoor adventures in the mountains followed up with visits to family and friends in his home state of Vermont. Terrence has also taken up gravel biking and will be in search of new trails to ride and explore. Finally, Terrence and his wife will return to Nepal where in 1984 Terrence lived and studied. Terrence, thank you for your federal service and for your leadership within the groundwater community, the Oregon Water Science Center, and the Northwest-Pacific Islands Region. We wish you all the best in retirement. -- **Dr. Kyle Blasch, Associate Director Northwest - Pacific Islands Region**

Example of
a 0-order
process:
aging



Doug Kent retired from the USGS on May 31, 2023, after 35 years with the organization. The Water Mission Area (WMA), Earth System Processes Division (ESPD) extends congratulations to Doug. Doug has had a long wonderful career with the USGS. Doug received a Ph.D. in 1983 from Scripps Institution of

Oceanography as a student of Professor Miriam Kastner, working on the surface chemical properties and reactivity of biogenic silica. After a stint in the Civil Engineering Department at Stanford University working on approaches to simulate the role of radionuclide sorption in the assessment of performance nuclear waste repositories, Doug came to the USGS as a National Research Council Post Doc with Jim Davis. Inspired by the leadership of Denis LeBlanc and the remarkably talented team working at the Cape Cod research site, they conducted a series of field-scale experiments examining the role of variable chemistry on the fate and transport of a variety of inorganic constituents, including arsenic, chromium, and lead. Since that time, he has enjoyed the benefits of becoming a PHREEQC groupie, testing conceptual models and conducting short courses on reactive transport modeling with his colleague Henning Prommer (CISRO and University of Western Australia). He worked with Deb Stoliker and the late John Zachara (Pacific Northwest National Laboratory) to develop a grain-scale model for uranium sorption that contributed to understanding the persistence of the uranium plume in the 300 area of the Hanford Nuclear Reservation. More recently, he has worked with Isabelle Cozzarelli, Denise Akob, and Kit Conaway on potential impacts of leaks and spills of wastewater from oil and gas development on the health of humans and aquatic ecosystems; contributed to the USGS science strategy for research on poly- and perfluoroalkyl compounds (PFAS) at the invitation of Andrea Tokranov; with Mindy Erickson, JK Böhlke, and Craig Brown on Barbara Bekins' and Chris Green's WMA water-quality gaps project; and with Mark Marvin-DiPasquale (MMD) and Larry Barber on MMD's Water-Mission-Area proxies project. Along the way Doug has authored or co-authored more than 75 journal articles, reports, and data releases, served as Chair of the Geochemistry Division of the American Chemical Society, served as an associate editor of *Water Resources Research*, edited a book on sorption on geomedia, and served on the EPA panel that developed guidelines for applying monitored natural attenuation to sites with inorganic contaminants. Doug expresses his profound admiration for and appreciation of these and the many other hydrologists, geochemists, and, more recently, biologists with whom he has had the privilege of collaborating over the past 35 years. We are excited that Doug plans to continue as an emeritus scientist in ESPD where he will continue contributing to PFAS research through projects in the Water and Ecosystems Mission Areas. -- **Dot Lundberg, WMA**



After 40-plus years, **Don Rosenberry** wrapped up his career with USGS on July 29, 2023 -- but he won't be wrapping up the science. Instead, he plans to continue as an emeritus with Earth Systems Process Division (ESPD) and work with graduate students at Colorado School of Mines. Don almost missed out on all this fun when he turned down Tom Winter's offer of USGS employment in 1981. Tom's offer came with the caveat that Don would also pursue a hydrogeology degree at the University of Minnesota. After 5 years at Bemidji State that led to a double major in geology and geography, more school was not all that appealing. Instead, Don headed to the Williston Basin to work as a mudlogger. When the oil boom went bust in 1982, Tom graciously gave him a second chance.

While working at Williams Lake, MN, as a hydrologic technician and pursuing a MS degree under Olaf Pfannkuch's tutelage, Don caught the research bug big time. He was thrilled to secure a permanent position with the USGS Minnesota District in 1985. A year later, Don

moved to Lakewood, CO, where he worked with Tom and colleague Jim LaBaugh. Working in the National Research Program (NRP) was a dream. Don spent his early years collecting data at long-term research sites in NE, ND, MN, and NH. Tom, along with some amazingly patient Bureau Approving Officers, gradually taught him the USGS way and Don's published reports got more interesting. When Don discovered that sediments beneath a large Minnesota lake were unsaturated, Tom said nobody would believe the data unless a model could simulate the setting. With NRP colleagues up and down the hallways of Building 53, Don started asking around. Rick Healy thought his model might be up to the task; it was, and Don published two papers in Water Resources Research, each with outlandish results that Tom thought would never get through review. In the second of the two, Don published what likely still is the fastest seepage rate in the literature, 25,000 cm/day.

Shifting from lakes and wetlands to streams and rivers, Don's questions began to outpace his answers. He realized he didn't have a clue as to what was going on, but he thought sediment transport held a clue to his most perplexing questions about groundwater-surface-water exchange. So back to school he went in 2003, learning all he could from John Pitlick at the University of Colorado. Working in the lab, the field, and with Rick Healy's VS2DI model, Don determined that seepage forces were much bigger than thought, sediment transport affected seepage rates and vice-versa, and local scale streambed topography had a huge effect on hyporheic exchange.

Don's interesting stories continued to accumulate while collaborating with colleagues from water science centers in WA, OR, CA, NV, NM, ND, MN, MI, PA, NY, NH, and FL, and with colleagues from Office of Groundwater and the National Research Program. He taught parts of the long-standing GW-SW course at the National Training Center for many years, and for 20 years taught a day-long component on GW-SW exchange as part of the University of Minnesota Hydrogeology Field Camp. He worked with Jud Harvey, Denis LeBlanc, Paul Barlow, Marty Briggs, and others to develop a field-based course on GW-SW exchange that has been taught twice at Cape Cod and this past June on the Neversink. Along with his best buddy Masaki Hayashi, he taught week-long courses on GW-SW exchange in Denmark (5 times!), Finland, Switzerland, Spain, Canada, Japan, and Nepal.

Retirement, along with serving as an emeritus, will allow Don to resume this research with Water Science Centers and Water Mission Area (WMA) colleagues and apply his expertise where it is needed. Forty years just isn't enough. **Sandra Eberts, WMA**

Dave Wolock retired from the USGS on June 30, 2023. Dave has been with the USGS for 35 years—several years in New Jersey (his homeland) and the remainder in Kansas. He is very grateful for his USGS colleagues and friends, and he plans on staying involved with the USGS as a volunteer. Dave has been a valued mentor to many, both personally and professionally. We certainly have appreciated his contributions towards a better understanding of the importance of hydrologic landscapes, and his contributions towards Water Watch, a pioneered USGS Web site that displays and describes real-time, recent, and past streamflow conditions for the United States. Thank you, Dave, for all your contributions to the USGS! -- **David Lesmes, WMA**

Greg McCabe retired from the USGS on June 30, 2023. Greg started with the USGS in the New Jersey Water Science Center in 1988 and has been in Denver, Colorado since 1991. Greg is grateful for the privilege of working for the USGS and for all the wonderful and talented people with whom he has worked. Greg plans on staying involved with the USGS as a volunteer. We are certainly grateful to Greg and his scientific research in hydroclimatology and climate variability. Thank you, Greg, for your 35 years of friendship and service. -- **David Lesmes, WMA**

Jared Bales writes about Dave and Greg: Maya Angelou said “People will forget what you said, people will forget what you did, but people will never forget how you made them feel.” In all my encounters with both Dave and Greg, I came away feeling encouraged and excited. Encouraged about the kindness and intellect of these two men, and excited about both the good work they did and about the work that they engendered in their colleagues. But I also remember what they did and the contributions they made to the USGS water community and to hydrologic understanding. I met Dave when we both served on the NSIP (National Streamflow Information Program) design team. Dave was an early adopter of the use of GIS for understanding streamflow and constituent transport, and he was instrumental in the success of the SPARROW model. As Dave Lesmes said, Dave’s contributions to the development of Water Watch in collaboration with Harry Lins, is quite a legacy in itself. I did not meet Greg until I became Chief Scientist, but always was impressed with his ability to communicate his work and the leadership that he demonstrated in the Central Branch of the NRP. One of the things I appreciated about Greg’s work was that the practical value of the findings were immediately obvious. Greg also was an important mentor to early career scientists in the Central Branch during my time. Through creative analyses, Greg and Dave’s work demonstrated the value of the long-term USGS streamflow and chemical data in understanding drivers of change. For example, Greg and Dave were some of the earliest to demonstrate teleconnections between sea surface temperature and streamflow in the United States.

Bob Hirsch writes: Both Dave Wolock and Greg McCabe are retiring on June 30. They came in together (on the Delaware River Basin climate change study in the New Jersey District) and they are going out together. What stellar careers both of them have had. They will be missed. I still recall the day I met both of them in Trenton, when they were about a year into their climate study. I was just totally blown away with their scientific knowledge, their creativity, their hard work, and their abilities to communicate. They continued to show those traits throughout their years with the USGS.

MEETINGS & GATHERINGS

New Jersey, April 29, 2023



Retirees from New Jersey recently got together for dinner. Left to right: John & Diane Dudek, Guerino & Elizabeth Centinaro, Mike & Ann Deluca, Maggie Meadows, and Walt Jones

Oklahoma, June 27, 2023

The Oklahoma retirees were hosted on June 27, 2023, at the local USGS office by branch chief, Jason Lewis, and current employees. A cookout/potluck was followed by presentations of current hydrologic technology and studies. Retirees were surprised by the field instrumentation changes. Although the wading rod is still ever present, no one was in the mood for a spin test. We also learned about a PFOS study, and the use of nuclear magnetic resonance to estimate hydraulic properties in the Ogallala.



Back row, Left to right: David Adams, Marvin Abbott, Mark Becker; Center row: Bob Goemaat, Phyllis Abbott, Noel Osborn, Bob Tortorelli; Front row: Charlie Bullock, Kathy Bullock, Jon Scott. Attending but not shown: Jim and Jamie Norvell, Bonnie Adams, and Betty Scott.

Reston, Virginia, Retirees

April 1, 2023

John Keith (retired, Geologic Division) gave a presentation on "Echoes of Gondwana: A Random Walk through Biogeography of the Southern Hemisphere."



May 1, 2023

Matt Merrill, Research Geologist with USGS Geology, Energy & Minerals Science Center in Reston, shared information on his current activities as well as the backstory of how he came to be where he is today. It was an interesting and entertaining lunch.



June 5 & July 10

With the arrival of Summer, the Reston Retirees are going with unscripted lunches at Temporary Road Park in Reston. On June 5, we had great weather for our first bring-your-own chair and lunch of the season. A good visit was had by all.



We lucked out again July 10, with low humidity and a light breeze. Hoping for similar weather for our next gathering August 7. We plan to return indoors at USGS September 11.



NEWS OF RETIREES

Editor's note: *It is with much appreciation and sadness to announce that John Klein is stepping down as our Western Region Editor for the Retirees' Newsletter. We have benefitted greatly from John's collaboration, suggestions, and editing of Western Region contributions to our Organization's quarterly newsletter. From his USGS career experiences, John knew many of the folks whose retirements, news, and memorials he had a chance to review and, at times, write, over the past 17 years. As we thank and congratulate John, we are searching for someone to fill John's editing shoes for the Organization's Western Region (includes AK, AZ, CA, HI, NV, OR, UT, and WA). Please contact the Western Region Representative, Pat Tucci (ptucci@sprintmail.com, or 301-898-9674) for any interest.*

John Klein writes ('06): We had since the 70's traveled in a truck camper. Now that we were retired, we were planning on hitting the road and see the country in a truck pulling a 5th wheel and volunteering at wildlife refuges. Several days after retirement I got a call from Jim Biesecker. A call from him was not surprising, we had kept close contact since our days in Colorado, and I figured it was a call to congratulate us on retirement. He did hit that topic quickly but then informed me in no uncertain terms I was now the WR Editor for the retirees' newsletter and I was expected to make some significant contributions. I always did exactly what Jim had asked, and this was no exception. Plus, it was something that was portable as long as we had wireless.

Merilee Bennett ('06), retired Retirees' Newsletter Layout Editor, writes: I had the pleasure of first working with John while I was the Program Officer in the Western Region back in the late 80's and early 90's. Subsequently after both our retirements in 2006, I was volunteered by Jim Blakey to be the Central Region Representative and John was volunteered by Jim Biesecker to become the Western Region (WR) Retirees' Newsletter Editor. It provided me with an opportunity to know more about John and his wife Joyce retirement life. However, this missive is more about John as WR editor – he has been responsive in his reviews of the quarterly newsletters. Through his knowledge of the WR, John always went the extra distance to notify the Organization of those who had passed, he served as a collection point for contributions made related to a retiree's passing and has prepared written memorials for those who he has had a close relationship with. The current Newsletter Editor (Jeff Stoner) has scheduled annual conference calls with Regional Editors, John provided suggestions on streamlining and making the newsletter more relevant towards the science of the WRD. He has been supportive, kind in his editing (my misspelling of scientific terms), and I have very much enjoyed working with him.

Herb Freiburger ('02) writes: I got up the other day, stood before the mirror and while I brushed my teeth, I thought about writing a short note to encourage retiree membership to send in some news about themselves and, also, while they're thinking about it, how about becoming current on paying their dues including any dues that are delinquent. To my surprise, the mirror barked back at me and said *"Hey, you need to put your money where your mouth is, because you haven't written anything in several years, and on top of it, as far as your dues go, they are not delinquent, but are due, so how about paying up?!"* Having received a rather abrupt reminder, I am paying up, but I can also see how someone can easily forget a small bill for just \$10 annually when the rest of one's monthly bills range from \$200 and probably up. But, please remember the Retirees' Organization needs the dues to pay the few bills we have, no salaries or trips, but printing costs of the newsletter and for the popular scholarship fund.

Now, for my update: I live in Bel Air, MD, and have one sister, Dotty, who along with her husband, Tom, lives in Camp Verde, AZ. Thus, I take 2 weeks about twice each year to visit them and their family. I also go to Hilton Head, SC, for 2 weeks almost each year to enjoy the beach and relax with my oldest daughter, Kathy, and her husband, Mark. My

youngest daughter, Anjie and her husband, Kevin, live with me since my wife, Pat, passed away 3+ years ago and so I get to see them almost every day. I have 3 grandchildren, all Anjie's children, who live close, so that's another plus. My hobby is taking care of my yard. Also, being the archivist and a volunteer on the staff of the Retirees Organization for the past 4-5 years has occupied a part of my time. It has turned out to be a rewarding experience and, to boot, with the Archives office located in the USGS headquarters in Reston, VA, I get to see and stay over with my aforementioned daughter, Kathy, and son-in-law Mark; good friends Nancy and Jim Bley; and good friend Joyce Biesecker, who all live in the Northern, VA, area. My health, knock on wood, has been pretty good.



Rick Iwatsubo ('05) writes. I'm still enjoying time on the ocean blue and able to crank in the big ones. Just recently caught my personal best, 343-pound yellowfin tuna.

Gary Turney (10) writes: Thanks to all the USGS Retiree's staff for everything you do. As for what I've been up to, my wife Sue and I have been fortunate to spend a couple of months snow-skiing throughout the west each year. That, and a month in Ireland last fall kept us pretty busy on the travel front recently, which had been on pause due to COVID. Our big summer project is a kitchen remodel, so that will keep us home for a few months. Meanwhile, my doctor tells me that sooner or later running will catch up with my knees, so I've been bicycling a lot more. Last year I rode a 2-day 200-mile Seattle to Portland bike ride, which was a lot of fun. Was pretty sore at the end but the beer sure tasted good! Speaking of COVID, in March of 2020, just as COVID was breaking out, we were among the first to come down with it. At first, we thought the congestion and headaches were from the dry air skiing in Utah. However, upon returning home to Lakewood, WA, we started feeling really exhausted. We seriously suspected COVID when after remarking to my wife that dinner tasted funny one night, we then immediately saw a news report about how the latest suspected COVID symptom was altered taste. That's when I decided to get tested. At the local clinic I was literally ushered in through the back service-door and met by staff in full haz-mat gear for my testing, before being shooed back out the same door. Took four days for the test result to come back, which was positive. Fortunately, our symptoms were relatively mild and short-lived, but it was still a bit scary given the lack of information available at the time.

MEMORIALS

Jim Bartolino (2021): My wife, Christine, passed away March 2, 2023. She was only 62; I miss my best friend, traveling and camping partner, and Chesapeake Bay Retriever wrangler.



Ronald W. Coble, 87, passed away on March 9, 2023. He was born in Mansfield, OH, on February 14, 1936, and grew up in Richmond, IN. Ron attended Purdue University for 3 years before transferring to the University of Wyoming, where he graduated with a Bachelor's degree in Geology. While at Purdue, Ron met his future wife, Nancy Shafer. Ron and Nancy were married on December 27, 1958, in Gary, IN. Soon after marrying, they moved to Cincinnati where Ron earned a Master's in Geology from the University of Cincinnati. Ron and Nancy celebrated their 64th wedding anniversary in December 2022. Ron started working for the USGS in February 1962 as a hydrogeologist in Iowa City, IA. He later worked for the USGS in Tampa, FL, and Raleigh, NC. During his 32-year career, Ron was an author on 16 USGS publications which included USGS Professional papers and Open File Reports, Iowa Geological Survey Atlas Reports, Water Data Reports, and Water Resources Investigative Reports. Ron made many other significant contributions to each of the three USGS District Offices he worked in. In Iowa City, IA (1962-70), Ron worked on studies to evaluate groundwater resources in central Iowa including storage capacity of groundwater, water quality, and water use. This information has been used to address land use issues and water use plans for central Iowa. He also worked on a study of the effects of tectonic activity in Alaska on Iowa aquifer systems. In Tampa, FL (1970-75), Ron served as the Reports Specialist where he helped to develop new report writers in the Tampa subdistrict office. In Raleigh, NC (1975-94), Ron worked as the Study Section Chief and later as the District Ground Water Specialist. During this period, he was listed as an author of 5 USGS reports that focused on groundwater resources and water quality in the freshwater aquifers underlying the North Carolina Coastal Plain. He worked on several groundwater workshops with the North Carolina State government agencies and trained USGS staff in techniques of aquifer testing. Ron also taught a course for water works operators for 25 years that even extended beyond his retirement. Ron contributed to many other groundwater studies conducted by the USGS in NC. This includes assessment of groundwater contamination that threatened multiple drinking water wells in the Aberdeen, NC, area; expansion of the statewide water-level monitoring network for all the major aquifers in NC; design of a background site for assessment of multi-layer aquifer characteristics for the Fort Bragg Environmental Study. After Ron retired in 1994, he continued to provide technical assistance with multiple NC groundwater projects. Ron was an avid biker, who once took a 200-mile trip from Raleigh to Boone, NC. He also served his bicycle community as a member of Raleigh's bicycle and Pedestrian Advisory Commission. Ron was a long-time member of the Raleigh Moravian Church, where he had many close friends. Ron also played the tuba in the church band. Ron's hobbies included spelunking, hiking, woodworking, bicycling, and reading history of the world wars and the American West. Ron and Nancy enjoyed traveling with Elderhostel groups, particularly trips to Glacier Park and Lewis and Clark's trail through Montana. They also traveled to Great Britain and Spain. They took many trips with their grandchildren to the Outer Banks, Pennsylvania's Amish Country, Niagara Falls, Ottawa, and Montreal, always ending up at Hershey Park. For years each fall, Ron and Nancy joined friends for a trip to Wrightsville Beach. Ron is survived by his wife Nancy, 1 son, 2 daughters, their spouses, 6 grandchildren, and 2 sisters.

Dan Duell, former USGS Reports Specialist (retired, 2002) stated: Ron helped me to improve my report writing skills and that of others in Tampa Bay and was very well liked and respected in the subdistrict.



Philip Emery, 89, passed away after a long illness, on March 16, 2023, at his home in Mountain Home, AR. Phil was born in Neodosha, KS, in 1934, and grew up in Humboldt, KS. After high school, he attended Chanute Junior College and Emporia State Teachers College from 1953 to 1954. He then joined the U.S. 7th Army and was stationed in Kaiserslautern, Germany, until 1957. Upon return to the United States, Phil attended the University of Kansas in Lawrence, where he earned both Bachelors and Master of Science degrees in geology, graduating in 1962. While at KU, he met and married his wife of 62 years, Janet Bayne; they raised two sons, Steven and David. Phil started his long and outstanding career with the USGS when he was hired by the WRD's Ground Water Branch in Lincoln, NE. In about

1964, he and his family moved to Alamosa, CO, where Phil managed a large-scale, 5-year USGS groundwater study of the San Luis Valley. He authored numerous publications from this quantitative analysis of the complex hydrology of the San Luis Valley, including documentation of the development of an analog model that was used to evaluate various water salvage plans. In 1972, he was transferred back to Lincoln, NE, for a special study of the Platte River groundwater system. In 1979, Phil was asked to return to Colorado as an expert witness in a trial regarding rules and regulations proposed by the Colorado State Engineer regarding groundwater withdrawals in the San Luis Valley. In 1991, he again testified in a trial regarding an application by American Water Development Incorporated to the State of Colorado for the rights to pump 200,000 acre-feet of water per year from the San Luis Valley and transport the water by pipeline to Denver. The application was dismissed in 1991 following a lengthy and costly trial. Following completion of the South Platte study, Phil was selected as the District GW specialist for California, where he was instrumental in overseeing a multitude of complex and crucial studies. In 1976, Phil was selected as the Kentucky District Chief, and in 1981 he was off to "The Last Frontier" to become the District Chief and USGS Director's Representative for Alaska. During his tenure in Alaska, Phil became the first (and one of the wisest) leader of the OWLS, the Organization of Western Leaders (i.e., District Chiefs). Phil loved to entertain all of us with his stories, and those of us who knew him never tired of his tales or theories about politics, science, and life. He was a true classic and devoted USGS disciple. In 1989, after 30 fruitful years with the USGS, Phil and Janet moved to sunny and warm Lake Havasu, AZ. Phil continued his interest in science and groundwater, taught in the local college, was an active consultant for the City of Lake Havasu, and his advice was instrumental in the city drilling a new well to deal with the increasing water needs of the community. Phil designed a successful groundwater gallery system. In 2000, they moved to Mountain Home, AR, to be near Janet's sister. Phil wrote in the May 2011 Retirees Newsletter "Because I am such a rare person, I have a rather rare condition called Myelodysplastic Syndrome for which I am receiving injections to help my bone marrow producing cells. I am feeling better now that I have recovered from Shingles. Janet has been my excellent nurse." Phil passed away at home with hospice care and his family at his side. Phil will rest in peace with his son Steven in Phil's hometown of Humboldt.

Chet Zenone, who served as Chief of Projects and Reports under Phil's leadership in Alaska, writes: When I returned to Alaska for my second tour in 1982, Phil and I hit it off immediately. I enjoyed and appreciated the opportunity to work with him over the next several years. Phil's story-telling prowess, as well as his views on the "issues of the day," whether USGS or otherwise—were always infused with a wonderful sense of humor. Phil could eke out and articulate the funny aspects of even the most serious topics. Our most memorable trip was to Shemya Island, a 2-mile by 4-mile volcanic rock (*The Black Pearl of the Pacific*) near the end of the Aleutian Island Chain, some 1500 miles SW of Anchorage. Phil was an avid reader of military history, in particular that of WWII in the Pacific, so he was thrilled to have the opportunity to visit Shemya Air Force Base (now Eareckson Air Station), which was a critical base and staging area for the Eleventh Air Force during the Aleutian Campaign in 1942-43, when a small Japanese force occupied the nearby islands of Kiska and Attu. Our objective at Shemya was to locate a potential

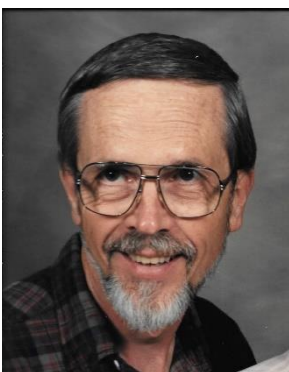
site for development of an additional water supply for the base and its resident military personnel of about 100 airmen. Phil and I were accompanied by Hans Ackermann, a geophysicist with the Geologic Division. After studying the geologic map of the island -- severely fractured and jointed volcanic and pyroclastic rocks overlain locally by glacial deposits -- Ackermann designed seismic-reflection surveys that indicated areas of severely fractured and jointed bedrock that would present favorable conditions for expansion of the existing groundwater gallery system. One day as we were walking near the airstrip through the blowing pea-soup fog that constitutes the weather at Shemya, we heard but couldn't see an airplane on landing approach. As we neared the terminal -- a couple of semi-trailers -- a sleek, grey aircraft emerged from the mist and Phil began taking pictures. Presuming it was one of the reconnaissance aircraft (spy planes) that loitered along the Soviet Union coast during the Cold War era, I told Phil he probably shouldn't be photographing the plane. His retort: *I'm a U.S. Citizen and I can photograph whatever I want to.* Neither we nor Phil's camera were apprehended. Several evenings, we were able to access the officers' club rather than in the large noisy bar and lounge with the lower ranks of airmen. Phil claimed he requested OC privileges for us when he checked in: *As a GS-15, I'm pretty sure I out-rank the commander here at Shemya.*

Bob Burrows writes: I first met Phil when he became the District Chief in Alaska in 1981. I was in the Fairbanks office and in 1985 became the chief of the Fairbanks field office. Phil and I had many exchanges and he became more than a boss, he was a mentor and friend. He had a great sense of humor and was a great storyteller. One of my best memories was a day in Denali National Park with Phil and Jim Biesecker, visiting a sediment project site on the Toklat River. Phil and Jim regaled me with the tales of both their careers amid much laughter. Phil was definitely one of the really great guys.



Otto Lehn Franke, 88, of Boulder, CO, died peacefully at home surrounded by family on April 2, 2023, from complications of Parkinson's disease and heart failure. Lehn was born in Baltimore, MD, October 13, 1934, to parents Roberta Felty and Otto Herman Franke. Lehn earned a B.A. in Geology from Haverford College in 1955, an M.A. in Geology from Johns Hopkins University in 1957, followed by a Doctor of Engineering from the Technische Hochschule Karlsruhe, Germany in 1963. After completing his education, Lehn had a long and successful career in the New York area as a Ground Water Hydrologist with the USGS WRD. He also taught at the City University of New York for 20 years in the Department of Earth and Atmospheric Sciences, retiring in 1991 as Professor Emeritus. In 1992, he and his wife Johannah moved to Boulder, CO, for Lehn to dedicate the remainder of his career to the National Water-Quality Assessment Project (NAWQA), a leading source of scientific data and knowledge for development of science-based policies and management strategies to improve and protect our national water resources. After retirement, he continued to informally consult on water resource issues. Outside his work life, Lehn was a devoted husband and father who cared deeply about his children and grandchildren, including supporting their educations and careers. He had many hobbies and interests including music which was a lifelong passion, playing cello and recorder and attending classical music concerts. He was involved with the Boulder Shambhala Center, the Drala Mountain Center, Kalapa Ikebana, tutoring middle school math students, and as a Court-appointed special advocate (CASA) with Voices for Children. Lehn loved the natural world in the Western United States, including the varied and dynamic weather patterns and rock formations. He found great pleasure in photographing the iconic Boulder "Flatirons" rock formation, rock collecting, river rafting, traveling, and hiking. Later in life, Lehn's pastimes grew to include papermaking, sculpture, Ikebana (Japanese flower arranging), and mosaics. Lehn is survived by his wife of 58 years Johannah, his son and daughter, their spouses, 4 grandchildren, a niece, a nephew, and numerous extended family members in the United States and Germany. Services were held on April 5, at the Shambhala Center in Boulder, CO.

Herb Buxton writes: I am deeply saddened to share news that Lehn Franke passed on April 2nd in Boulder, CO. Lehn had a long and accomplished career with USGS Water Resources. He worked in the Long Island Office, at the time led by Phil Cohen, and coauthored some of the seminal papers on Long Island hydrology. After becoming a Professor at the City University of New York, he still visited the Long Island and West Trenton, NJ, offices on alternating Fridays. Many young hydrologists were helped through challenging projects over the years by his assistance. He helped formulate and taught the Ground Water Concepts training course through 5 decades and as a result played a major role in the development of many young groundwater hydrologists and modelers. He enjoyed the fact that many referred to that course as Groundwater Bootcamp. He worked with the Office of Groundwater to publish several highly cited USGS Circulars on groundwater availability, sustainability and surface and groundwater interactions. Later in his career he moved to Boulder and worked with the National Water Quality Assessment Program until he retired. Over the years, he was a constant source of guidance and inspiration to many within the WRD. He will be remembered and missed.



Joseph S. Gates, 87, was born on January 18, 1935 in Des Moines, IA, to Leslie Dean Gates and Ella Wheeler Hicks. He passed away on December 6, 2022, in Salt Lake City. Joe was born the youngest of three children and spent most of his childhood in Park Ridge, IL, attending Maine Township High School where he played baseball. He studied geology and engineering at the Colorado School of Mines, graduating in 1956. He then took a job with the USGS in Denver, where he worked until he entered the U.S. Army Corps of Engineers. In 1958, he moved to Salt Lake City to take a job in groundwater at the USGS. He met his wife, Connee Clemens, through the Wasatch Mountain Club and they married in 1964. Shortly thereafter, he accepted a job with USGS in Cairo, Egypt, where he and Connee lived for 2 years. After the birth of

their daughter, they moved to Tucson, where their second daughter was born and Joe earned a Ph.D. in Hydrogeology at the University of Arizona. Joe then joined the USGS in El Paso, TX. In 1977, he was transferred to the Salt Lake City office of the USGS, where he worked until his retirement in 1994. Joe loved skiing, hiking, traveling and taking his six grandchildren and friends on rock hunting expeditions. A life-long dog lover, he had many faithful four-legged friends. He loved listening to classical music and was a frequent attendee of the Utah Symphony. He was known for his quiet nature and his clever wit. He and Connee were founding members of the South Valley Unitarian Universalist Society in Cottonwood Heights. Joe taught geology classes at the Osher Lifelong Learning Institute and was a volunteer lecturer at the Snowbird Resort on the geology of Little Cottonwood Canyon. Joe was preceded in death by his wife Connee, who died in 2020. He is survived by his two daughters, six grandchildren, two nieces, and four nephews. A graveside service and reception for Joe was held on January 14, 2023, at Memorial Mountain View Cemetery, Cottonwood Heights, UT.



Julie Glancy, wife of Pat Glancy, passed away on March 4, 2022, at her home in Carson City, NV. At age 93, she had fulfilled her role as a loving and devoted wife, the epitome of motherhood, and a kind and generous spirit to all who knew her. Julie was born to Jonathan Simanich and Rosie (Nose) Simanich on January 9, 1929 in Klein, MT. At an early age her family moved to Roundup. Julie and her sister Marian were raised by their father, a Croatian coal miner, not learning to speak English until they were in grade school. Their father devoted his life not only to providing for his girls, but also guiding and teaching them homemaking skills such as baking, cooking, and sewing. In turn, the girls grew up fast, taking care of their father and tending to the house. They had a hard life, but she was quick to point out that it was a home filled

with love and joy! As a result, she developed an inner strength and resiliency, as well as the capacity to love with all her heart. Julie knew Pat Glancy from a young age, and they were reunited when he was home on leave from the Navy. They were soon married in 1953, and moved to Bozeman where Pat would attend college. It was there they had three children – Pat “Skip”, Tim, and Susan. Julie worked tirelessly to help Pat through school, providing child care for up to eight children in addition to her own, in a small college housing unit. Her baking became well-known on campus and soon she was selling fresh bread and taking in ironing to help the family financially. Julie was very industrious and had many talents. She loved working in her garden, keeping company with the birds, and literally created a lush English garden admired by many. Julie was also a skilled seamstress, loved to crochet and do a variety of crafts, and created beautiful oil paintings for many years. However, her claim to fame was her baking – growing up we can hardly remember a day that the house was not filled with the delicious aroma of fresh bread, cinnamon rolls, pies or cookies. Needless to say, our friends looked forward to visiting often! She loved to share her Croatian heritage with friends and neighbors through homemade and unique pastries. Mom made everyone feel welcome in our home, taking the time to get to know our friends and dad’s colleagues. Julie was beloved by all who knew her - she was sensitive, kind, compassionate, hardworking, fun loving and quick witted. She was a member of St. Teresa of Avila Catholic Church for 55 years. Julie lived her faith by being truly selfless, finding great joy in giving and doing for others. Mom’s contributions to our family were the glue that held us together. She had a way of making every day special; her encouragement, guidance, and presence made you feel like anything was possible. Most importantly, her love for her family and friends was pure and unconditional. Julie was predeceased by her parents, her sister Marian, her husband Pat of 68 years, and her firstborn son, Pat “Skip.” She is survived by her son and daughter, 3 granddaughters, and 9 great-grandchildren. We will be eternally grateful for the beautiful life mom gave us and for her love that will live forever in our hearts. Per her wishes, a private family graveside service was held.



Judith Griffin, 83, of Staunton, VA, passed away on April 4, 2023, at her home and was surrounded by her family. Judy was born on January 10, 1940, in Wheeling, WV, and was a daughter of the late Madelyn Rapp. In addition to her mother, Judy was preceded in death by a son, Jonathan Griffin. She is survived by her husband of 53 years, Jerry Griffin of Staunton; 2 sons and their wives, and 2 grandchildren. A private family burial will be held at Duck Run Natural Cemetery in Penn Laird, VA. Judy retired from the USGS in 2008 as a Committee Management Specialist with the Water Information Coordination Program. Judy had about 30 years of service with the USGS, some of which was on an intermittent basis while she was raising her three sons.

Judy Salvo writes: This morning my dearest friend Judy Griffin departed this world and joined God’s angels. I will miss her every day. She was a gentle, kind, sweet, loving friend, mother and grandmother. Rest in peace, dearest friend. I love you and will always remember you and all the joy we shared for so many years.

Toni M. Johnson writes: Judy Griffin was a great asset to the Water Information Coordination Program which I managed during my tenure at the USGS. She was instrumental in organizing meetings of the Advisory Committee on Water Information, which included representatives from each state, several other Federal agencies, as well as some private sector groups involved with water issues. She was an especially good meeting planner, and always kept in touch with our state representatives between meetings. On a more personal note, both Judy Griffin and another staff member and friend, Judy Salvo, were instrumental in introducing me to the Rehoboth Beach area in Delaware, where Judy often took her sons for vacations at the beach. I considered Judy a wonderful colleague and friend. With regret on her passing.

Joanne Taylor writes: I remember Judy from the early days when I worked as a secretary for Roger Wolff. She was one of the most esteemed of the WRD Senior Staff secretaries. She was a true professional and a great mentor!



Dr. Barbara June Mahler, 64, passed away peacefully and comfortably April 29, 2023. Many of you likely recall that Barbara and her husband, Pete Van Metre, a USGS emeriti, were in a tragic motor vehicle accident almost 2 years ago that took Pete's life and seriously injured Barbara. Barbara has struggled valiantly for the past two years with the resulting traumatic brain injury that ultimately took her life. Barbara was with the USGS for 27 years as a Research Hydrologist and most recently as the Communications Coordinator for the WMA. In her long recovery after the accident, she was blessed with colleagues from all over the USGS contributing to the leave share program for her before she retired earlier this year. Barbara loved being a scientist. She brought creativity, humor, and intellectual curiosity to her work and was generous with her time and knowledge. She was a remarkable scientist, colleague, teacher, and mentor. She and Pete worked together on numerous ground-breaking studies of lake sediments, stream quality, pesticides, PAHs, and other environmental contaminants. Barbara was also a renowned karst expert, sleuthing out complex hydrologic behavior in karst settings that do not follow the traditional rules of hydrology. Much of our current understanding of the Texas Edwards Aquifer is a result of Barbara's research. Barbara was laid to rest in a private family ceremony at Eloise Woods Natural Burial Park, next to Pete. The family will host a celebration-of-life in Austin in the fall. Details will be posted on Barbara's CaringBridge site (<https://www.caringbridge.org/visit/barbaramahler>), where many have followed her journey since the accident. All are invited to share stories and memories of Barbara and her full and incredible life.



Sheri Swisshelm, 80, wife of Dick Swisshelm, passed away on May 15, 2023. She had lung cancer that moved into remission but continued to struggle with COPD. Sheri Irene Barnes was born September 22, 1942, and raised in Dayton, OH. She attended the Patterson Co-op High School then went on to the Miami Valley Hospital School of Nursing, graduating in 1963. She worked in both hospitals and private doctors' offices. While in nursing school, she met Dick Swisshelm and they married in 1964. Sheri continued to work until having her 3 children. She stayed at home to be the workforce and specialized in fitness at the YMCA. Sheri taught fitness classes, worked with sports and coached basketball. After the children were grown, she refreshed her nursing skills and went to the oncology department at Riverside Methodist Hospital for 12 years. Sheri lived outdoors when she could. She played softball and basketball, joined running groups, learned to snow ski and water ski. The family started camping when the kids were 5-10. They explored state and national parks. The family bought a boat and enjoyed water skiing. After that era, Dick and Sheri moved on to cycling in several states. They went on many trips around the world and loved discovering new places. Sheri is survived by her husband, Dick, of 58 years, her 3 children, a sister, her nieces, and her cousins. She will be greatly missed and appreciated for love of family, her determination, perseverance and love of adventure and discovery. A Memorial Mass was held on June 9, 2023.

Robert F. Wakelee “Bob,” 74, of Winchester, VA, passed away on May 9, 2023, at Heritage Hall in Front Royal, VA. Bob was born in Norwalk, CT, the son of the late Clifford and Elizabeth Wakelee. He earned his Bachelor’s Degree from Northeastern University in Boston. Bob retired from the USGS as an IT Specialist after serving 42 years. He enjoyed traveling, taking trips and cruises. Bob loved playing golf and was a Nationals fan. He is survived by his wife, Carolyn, whom he married on July 29, 1989; his 2 sons and their wives, 8 grandchildren, and 1 great-grandchild. Bob is preceded in death by his parents and brother, Clifford Wakelee. A service was held on May 15, 2023.

Gloria Stiltner writes: Bob began his career with the USGS WRD in the Colorado District. Bob was an entrepreneur and was a major player in the 1980's in the establishment of a computer system connected by a X.25 based wide area telecommunications network that allowed information to be shared. This was called the Distributed Information System. Bob spearheaded and helped develop the continuing enhanced telecommunications network for the USGS until he retired. Bob listened to the problems of his computer users. Some were concerned that his hearing issues would be a real impediment. Bob, however, always rose to the occasion. He was resourceful, diligent and persistent in solving whatever came his way - the mark of a talented computer professional. Those skills marked not only his technical successes, but also the friendships he developed with colleagues wherever he worked. We were all better for having Bob as a friend.



Lawrence Allen Weiss, “Larry,” 86, beloved husband, father and grandfather, passed away on January 15, 2023, at Columbia Presbyterian Hospital in New York City. He was born in New Britain, CT, on July 3, 1936, to the late Sabina and Benjamin Weiss. He was a graduate of New Britain High School, Class of 1954, and was a short dash runner winning many heats in high school, an honor student and a musician playing the tenor sax and clarinet. Larry was a 1959 graduate of Brooklyn Polytechnic Institute, Brooklyn, NY (now known as NYU-Poly) in Civil Engineering and earned a Master Degree in Civil

Engineering in 1966 at the University of Connecticut. After graduating from Brooklyn Poly, Larry went to work for the USGS in the Hartford, CT, office where he spent 35 years. He had the great opportunity to work under the guidance of District Chiefs, John Horton, John Baker, and Fred Ruggles. Larry worked on several projects over the years including projects on the Connecticut, Hudson, and Colorado Rivers, and he wrote and presented numerous papers across the United States. He was cited for his many contributions to surface water activities of the water resources program and commended for his excellent capability in the conduct of complex surface-water and water-quality modeling projects. He received the Length of Service Award in 1989 for 30 years of service and took the early retirement offer from the USGS in 1994, completing 35 years of service. He then proceeded to do consulting for 10 years. Larry served in the U.S. Army Reserves for 6 years rising to the rank of Sergeant and playing the clarinet in the U.S. Army Band. Larry received his Connecticut Professional Engineer’s license in 1966 and was a member of The American Society of Civil Engineers where he gave a talk on Thermal Pollution in 1969. In May 2009, Larry became a member of the Golden Jubilee Society at Brooklyn Poly in celebration of his 50th reunion as a member of the Class of 1959. Larry had a great sense of humor, loved doing crossword puzzles, being with his family and was a diehard Boston Red Sox and UConn basketball fan (men’s and women’s). Larry and his wife, Edythe, were married in 1962 and lived in West Hartford, CT, for 50 years. They were passionate travelers and visited all 7 continents. Wherever they traveled, Larry made sure they visited rivers, oceans, and anything having to do with water. They were married for 60 years and had celebrated with their whole family at a gathering at Mohonk Mountain Resort in New Paltz, NY, back in August 2022. They are the parents of 4 children and 10 grandchildren. Larry had a life well lived and he will live on in the hearts of his family forever.



Frank C. Wells passed away at his home in Liberty Hill, TX, on May 21, 2023. Frank had retired from USGS in 1997 after 30 years in WRD. He began his career in 1968 after graduating from Millsaps College in Jackson, MS. He moved first to the Louisiana Water Science Center (WSC) and then to the Texas WSC in 1979. Frank was soft spoken with a quiet laugh and big heart. He was interested in new and better ways to do the job and embraced the challenge of creating change. He did this by creating a work environment that nurtured new ideas. He encouraged and supported his employees to take on creating something new by rearranging schedules and responsibilities to carve out the time and opportunity to be successful. With his leadership, his group created new processes to improve consistency, expediency and understanding in water-quality data collection and analysis. Many of those new processes were adopted nationally. The innovation that came from his leadership is definitely a legacy to be proud of. But, perhaps an even greater legacy with far reaching effect, was creating future leaders who could embrace change and understood how to be that kind of leader. In the 26 years since Frank retired, he has lived on a beautiful ranch in Liberty Hill, TX, with his wife, Cindy. They enjoyed the peace of living in the country and time with family, including 6 grandchildren, all of whom lived nearby in central Texas. They also volunteered with the Salvation Army in disaster relief efforts, delivered meals with the Meals on Wheels organization for 15 years, and spent time on a favorite hobby as amateur ham radio operators. Over the last years, Frank suffered numerous bouts with cancer and, against all odds, kept beating it. Early this year, he had a number of setbacks and eventually he and Cindy decided that the fight was not working anymore. They chose hospice care, knowing they had done all they could do. Eight bells for Frank and a life well lived. A memorial for Frank was held on June 9, 2023, at Christ Episcopal Church in Cedar Park, TX.



William "Bill" E. Wilson, III, 88, passed away on April 18, 2023, at Carol Woods Retirement Community, Chapel Hill, NC, from complications associated with Parkinson's Disease. He is survived by his wife of 64 years, Katherine "Kathie" M. Wilson; their son and daughter, their spouses; two grandsons, and his brother. Preceding him in death were his parents, William E. Wilson, Jr. and Ellen C. Wilson, and his brother, Douglas C. Wilson. Bill was born in Providence, RI, but he moved frequently during his growing-up years, ultimately finishing the last two years of high school in Bloomington, IN. He graduated from Harvard College in 1956 after majoring in geology. He served two years in the Navy, stationed at the Great Lakes Naval Training Station, where he was Testing Officer for the Recruit Training Command. After he married

Kathie, his Indiana high school sweetheart, he earned his PhD in hydrogeology at the University of Illinois. He spent most of his career working for the U.S. Geological Survey, first conducting water-resources investigations in Connecticut and Florida, and later, while living in Colorado, directing the USGS's hydrogeologic studies to determine the suitability of the Yucca Mountain site in Nevada to safely store high-level nuclear waste underground. Upon his retirement from the USGS in 1990, he and Kathie moved to Switzerland, where he consulted with the Swiss in their search for a suitable site to store nuclear waste underground. In 1993, Bill and Kathie returned to Colorado, where they bought an 1870 Victorian home in the historic mountain town of Georgetown. There, he was active in community affairs, including historic preservation. In 2011, they moved to Chapel Hill, NC, to be in a milder climate and to be near their daughter and outstanding cultural and medical facilities. During his active years, Bill enjoyed traveling, hiking, and camping with friends and family. He was a skilled writer and editor. During his career he wrote numerous technical reports, and in retirement he enjoyed co-editing an international Journal and researching and writing about local history. In 2018, he self-published, "On the

Move, an Anecdotal History of My Boyhood." He was a long-time practitioner of Transcendental Meditation, which was a meaningful part of his life. He had a long-standing interest in observing weather phenomena. In Georgetown he was a volunteer observer for the National Weather Service, and in Chapel Hill he participated in a national network of volunteer precipitation observers. Bill was an avid sports fan, especially baseball. As a boy and into adulthood, he was a die-hard Yankees fan who later switched to following the Colorado Rockies. Although not a musician himself, Bill was a lover of classical music, especially from the Baroque era. Bill is remembered by those who knew him for his kindness and his wit. A Celebration of Life was held on June 3, 2023, at Carol Woods.



Allen Zack passed away on April 24, 2023, after suffering from congestive heart failure. Al had a distinguished 30-year career with USGS serving in both technical and management roles. He received undergraduate and graduate degrees in Civil and Hydraulic Engineering and Geology at Vanderbilt University and was a Registered Professional Engineer in Louisiana and Tennessee. In 1993, he received the National Society of Professional Engineers, Civil Engineer of the Year award. Al began his USGS career as a hydrologist in Baton Rouge in 1968, moving on to Myrtle Beach in 1972, and finally to San Juan in 1982, where he served most of his career until retiring in 1997. Al began his career as a hydrologist and project leader, and then assumed roles of Assistant District Chief (1982-86) and District Chief (1986-95) for the

Caribbean District. He completed his USGS career working as a research hydrologist in Puerto Rico during 1996-97. As an excellent writer, Al wrote numerous publications mostly related to his expertise in groundwater. After retiring from USGS, Al continued contributions to hydrology, including work for the United Nations World Meteorological Organization (1997-2005) where he provided assessments on groundwater remediation throughout Mexico. He also served as a senior consultant to the United Nations for scavenger-well feasibility studies in the Marshall Islands, southwestern Madagascar, British Virgin Islands and locations in Mexico. Al played the violin since he was very young, and was a member of several symphonic orchestras. He enjoyed farming in the tropics; many people will remember the "Carambolas (star fruit)" that he shared from his beautiful farm in Quebradillas, PR. Al is survived by his wife Marilyn Santiago, and 2 brothers. Following are tributes from his friends and co-workers:

Cathy Hill: During my years in PR with Zack as DC, (1987-1995) the associate District Chief, Arturo Torres, was one of the very few Caribbean district staff who owned a winter coat. It hung on the inside of his office door, and whenever someone in the district had to go up to the U.S. for training or meetings, the standard refrain was "borrow Arturo's coat." Because it was rare for more than one person at a time to head north, the practice held up for quite a while! I met Al at a Denver training class we were both in. It was winter, and he did not own a jacket. We got a lot of laughs about that, and all took turns lending him our jackets.

Matt Larsen: Al was the Caribbean District Chief in the 80s and early 90s and hired me in 1987, for which I have always been grateful. He was a great mentor and supporter of my efforts and, like many district chiefs, willing to take chances, and was highly entrepreneurial. A few months after he had hired me, he called me into his office one day, closed the door and said what's this about? He was holding my paper SF 171 form which had just come back from headquarters and somebody had written in the margins "possible loyalty risk." I got an icy cold feeling in my gut and explained that it was probably because of a trip I had made to Cuba in 1979 with the Venceremos brigade. (I also told him that when I came back from that trip, I gave a talk about it at the USGS office of marine geology, where I was working in Menlo Park.) He scoffed at the HR comment on my 171, said 'hah', don't worry about it then. In 1991, Allen was a strong supporter of my application to the WRD graduate training program and, along with Bob Hirsch, Jim Cook, and Bob Stallard, successfully helped me navigate that process, through which I was able to earn my PhD.

Robert M. Hirsch: Al was always a great person to talk to. He had so much enthusiasm for the science and was so creative.

Marylin Santiago: He was a very special human being, smart, kind, and had a fantastic sense of humor. He touched many lives. People just liked him.

Arturo Torres: In or around 1985, Fred Quiñones, who was the Caribbean District Chief, hired Allen Zack as his Hydrologic Studies Chief and his Assistant District Chief. Allen came from the South Carolina District Office. When Fred left Puerto Rico around 1987, Al was selected as the Caribbean District Chief. El Rubio (the blondie), as I lovingly referred to him, asked me to become part of his management team, and thus I became his Studies Chief in 1987. In 1988, he promoted me as his Assistant District Chief, and later in 1990, Allen promoted me as his Associate District Chief. I served as his associate until 1993 when I transferred to the USGS office in Tampa, Florida. During this outstanding partnership and camaraderie, between 1987 and 1993, we had a very successful program, increasing the Caribbean District budget/funding to about 12 million dollars a year. During the wonderful years I shared my USGS responsibilities with Allen, we certainly became very close friends. I will always cherish that memorable period with the USGS and with Allen. He always treated me with respect and he was an outstanding mentor. I will miss his joyous sense of humor.

Pat Tucci: During our brief tenure (1989-92) in Puerto Rico, Al was incredibly helpful to Zelda and me in adjusting to life on the island. He was supportive in our efforts to learn Spanish (which was only marginally successful), and provided advice on coping with my new challenges as a supervisory hydrologist. He always brought fresh fruit from his farm to our weekly staff meetings (our daughter really loved those carambolas), and threw a great party for the District staff at his beautiful home near Quebradillas.

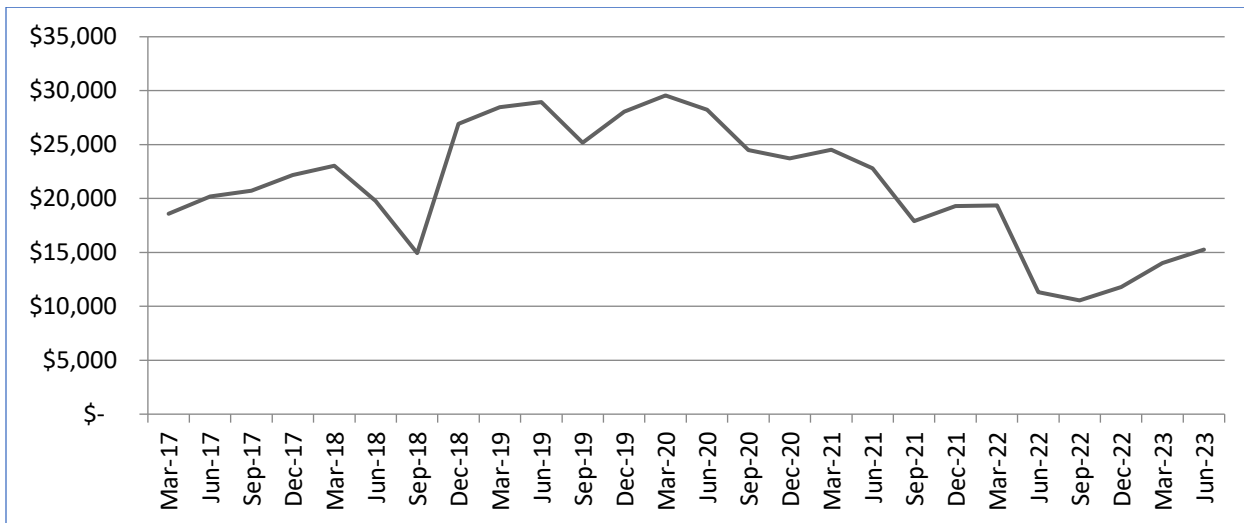


Otto Stephen Zapecza, 72, died peacefully on May 27, 2023. He was surrounded by his family. Born in Oxford, England, Otto came to the United States on the Queen Mary in 1952, where he then resided in Garfield, NJ, with his parents. In his younger years, Otto worked at Edelman Brothers Baking Company in Garfield. He graduated from Garfield High School and then went on to attend and graduate from Newark State College (Kean University) with a Bachelor of Science degree. During this time, he was also employed by Ford Motor Company and UPS. After graduation, Otto began his 37-year-long career with the USGS, retiring in 2014 as a Supervisory Hydrologist. He is known for his published papers on water resources in the State of New Jersey, most recognizably the paper titled “Hydrogeologic Framework of the New Jersey Coastal Plain.” Otto was a proud member of The Geological Society of America. Otto loved the outdoors and enjoyed gardening, travel, metal detecting, and fossil collecting. He also enjoyed golfing with his USGS buddies and planning fun and memorable adventures for his family. Otto is survived by his loving wife of 43 years, Denise (Kelly), his daughter and son-in-law, and many other loving family members. He was predeceased by his parents, his stepmother, and a brother. A Memorial Mass was held June 3, 2023, at the Church of Saint Ann, Lawrenceville, NJ.

Gary Paulachok writes: I’m saddened to hear that Otto has passed away after a courageous battle with cancer. He was a great friend and coworker. He was a young 72.

TREASURER'S REPORT, SECOND QUARTER 2023

Treasurer Cathy Hill reports the organization had \$15,260 at the end of the second quarter, 2023. This is after all three 2023 scholarship awards have been made and cashed by the respective schools. Annual filing to the State Corporation Committee has been done. Special thanks for contributions above dues to Merilee and Jim Bennett, Roger Lee, and Rick Wagner. Many thanks for your generosity. These contributions are a great benefit to our Scholarship fund.



USGS Retirees Budget, 2017 - 2023

DIRECTORY CHANGES

AFFILIATE LIAISON

Bruce Campbell – new South Carolina State Liaison

NEW MEMBERS

J. Brian Atkins (23) (Kathi) – Montgomery, AL

Steven Frenzel (14) – Eagle, Idaho

Jeffrey J. Kvech (Gwen) – employee, liaison to local office, Fallston, MD

Jason M. Lambrecht (Lori) – employee, liaison to local office, Lincoln, NE

Brian Loving – employee, liaison to local office, Cheyenne, WY

Darryl Pope (23) (Cindy) – Henrico, VA

Stephen E. Ragone (95) (Marguerite) – Reston, VA

Terry L. Schertz (20) – Lakeway, TX