

# WRD RETIREES

NEWSLETTER 161  
November 2013

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

## PRESIDENT'S MESSAGE

It is time for our membership to vote in the new leadership for the next two years. Our organization depends totally on a good number of volunteers. A ballot with a slate of nominees willing to serve you is enclosed on page 11. Biographies of the nominees are shown on page 10. Please fill out the ballot and put it in an envelope along with news of your recent adventures/activities and mail to the WRD Retirees at the address shown on the ballot.

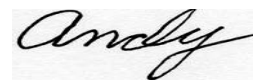
I am sad to report that **O. M. "Milt" Hackett** passed away on October 22. His wife, **Pam**, passed away just two months before that, on August 22. Their Memorial and In Memoriam are in this newsletter. Also, see the box at the bottom of this page for a way that you can contribute your recollections about Milt for the February 2014 issue.

This is my final message as your president. It has been an honor and a pleasure to serve this great organization. Many thanks to our volunteers, including Al Condes as V. President; Bill Boning as our long standing Secretary; Celso Puente as Treasurer; and Charles Nethaway and Merilee Bennett as our Newsletter Editor and Layout Editor. Thanks also go out to our Regional Directors and Editors and the many individuals who arrange for local meetings and gatherings in many areas of the country, and for the big WRD Retirees Reunion.

In January/February we should begin concentrating on making reservations for our 17<sup>th</sup> WRD Retirees Reunion in Portland, Maine on October 2-4, 2014. That first week in October should be very colorful and hopefully cool in the Portland area and its surroundings. I was very lucky, in Boise, ID, to have Derrill Cowing volunteer to chair the committee for our 2014 Reunion. What a great time we had at the reunion in Boise. The committee chaired by Kathy Peter worked very hard to make it a good experience and I'm sure that Derrill Cowling will do a great job in Portland. Thanks go to all the reunion volunteers. My wife Mary and I are not overly active in travel, except to the reunions. We are already looking forward to the 2014 Retirees Reunion, in Portland.

Some of the happenings on the down side of the past two years are: Superstorm Sandy; our Hydro Tech presentations were halted due to the Federal Budgetary Sequester, and now the "Partial Shutdown." It is difficult to know exactly what is in our future.

I want to wish the new officers much success beginning in January 2014-15. It is a very rewarding way to spend some spare time keeping our membership up to date on each other, but to do that we need participation and your updates for our Newsletter.



### Milt Hackett Passes Away

We are saddened to report that Milt Hackett, Associate Chief Hydrologist from 1968-1980, passed on October 22, 2013. See Milt's Memorial on page 2 of this newsletter. We are also planning to publish your personal recollections about Milt in the February 2014 issue of the Newsletter. Please send your recollections to Charles Nethaway, Editor, at [whozit1130@aol.com](mailto:whozit1130@aol.com) or mail your handwritten or typed recollections to 2370 Albot Road, Reston, VA 20191 to arrive by January 15, 2014.

<b>National Officers:</b> Clarence W. Anderson, President Alberto Condes, Vice President Charles W. Boning, Secretary Celso Puente, Treasurer Charles Nethaway, Archivist	<b>Regional Directors:</b> Sharon Goss, Northeast Richard M. Bloyd, Southeast C.R. Burchett, Central Chester "Chet" Zenone, Western	<b>Newsletter Staff:</b> Editor: Charles Nethaway Layout Editor: Merilee Bennett NR: Anna Lenox SR: Vivian Olcott CR: Richard Hawkinson WR: John Klein	<b>Address:</b> WRD Retirees P.O. Box 280 Herndon, VA 20172-0280 Phone (703) 648-5641 Web Page: <a href="http://WRDRetirees.org">WRDRetirees.org</a> Email: <a href="mailto:wrdr retirees@usgs.gov">wrdr retirees@usgs.gov</a>
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## MEMORIAL

### Orwoll Milton Hackett (1920-2013)



**Orwoll Milton “Milt” Hackett**, age 93, passed away peacefully on October 22, 2013 from complications of pneumonia. He was a resident of Arlington, VA since 1961 and lived at Goodwin House-Bailey’s Crossroads in Falls Church for the last decade of his life. Born in Vayland, SD in 1920, Milt was the son of the late Hilda Dahl Hackett and Frank Moody Hackett. He grew up in Cottonwood, MN and in 1938 attended the University of Minnesota until his studies were interrupted by WW II. Milt had a distinguished military career. In 1940 he joined the Navy as an officer. He became a torpedo officer on the destroyer USS Strong (DD467) in 1942, serving in the Pacific. In 1943 the USS Strong was sunk by the Japanese in Kula Gulf, Northern Solomon Islands with numerous lives lost. Milt helped others onto floating debris and then led several men to an island where, after three days of evading enemy soldiers, they found US Marines and were eventually brought to safety. Milt returned to the USA and became the gunnery officer aboard the USS Paul Hamilton (DD590) in South Carolina. In August of 1944 he was transferred to the USS Thomas E. Fraser (DM24) commissioned in Boston. While this ship was docked in Boston Harbor awaiting deployment to the Pacific, entertainment was provided to the sailors by the USO. The lead singer was Marguerite (Pam) King, who became the love of his life. They married shortly after the war was over. Milt served in the Pacific until the end of the war, and, as he wrote in a letter to his mother in 1945, the USS Thomas E. Fraser “led the parade into Tokyo Bay, the third warship to enter” for the formal surrender of Japan. Milt observed the ceremonies from the deck. He separated from the Navy as Lieutenant Commander and entered the Naval Reserves in 1946 from which he retired in 1980 as a Commander. Milt graduated from the U of Minnesota in 1949 with a degree in geology. After the War, Pam and Milt married in 1946.

Milt worked for the U. S. Geological Survey (USGS) for the entirety of his career. In 1949 Milt joined the Missouri River Basin project, first on the Riverton [WY] irrigation project, then briefly on a reports backlog in Lincoln, NE; and then studied and reported on all hydrologic aspects of the Gallatin Valley out of Bozeman, MT. He and Pam loved the outdoors, fishing, camping, and, along with their expanding family, explored the wilderness in much of the USA. Milt’s scientific and managerial skills were noticed by the senior leaders of WRD, and he rapidly advanced. He became the Geologist-in-Charge, then the District Geologist, Boston District, Ground Water Branch, where he led ground-water programs in MA, NH, and ME. In 1961 the Hacketts moved to Virginia, and Milt served on the WRD Senior Staff, both in Washington, DC and Reston, VA. He became national Chief, Ground Water Branch, just 12 years after joining USGS; then in 1967 was assigned as the first Chief, Office of Water Data Coordination. Finally, Milt served as Associate Chief Hydrologist from 1968-1980. He consulted internationally for the WRD in the 1960s, particularly to Pakistan, India, and Jordan. In 1978 he was recognized by the Secretary of the Interior with the highest honor awarded by the Department of the Interior, the Distinguished Service Award, “in recognition of his outstanding contributions to the management and development of the Nation’s water resources programs.” Hal Langford, former Associate Chief Hydrologist following Milt, served immediately under Milt for 15 years. Hal says of Milt,

*“The first word that comes to mind is ‘integrity,’ for Milt had that in spades! Milt was a visionary and had the capability of thinking ‘outside the box.’ Following Milt’s retirement in 1980, my wife, Jean, and I maintained social contact with him and Pam until Jean’s death in 2009. We considered them to be our very close friends. I miss them both very much.”*

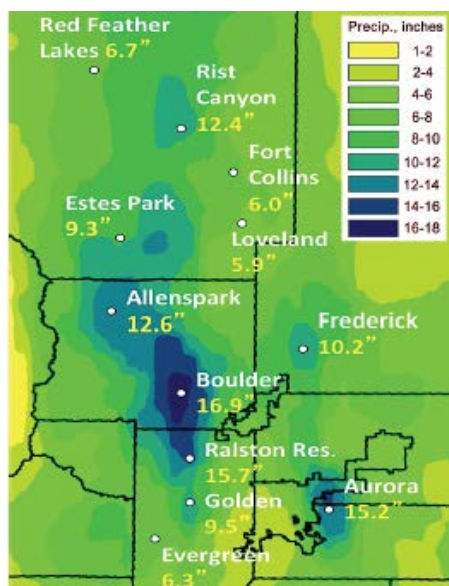
Milt’s passion was genealogy. He was proud of his Norwegian heritage and remained involved in the Sons of Norway. After his retirement from the USGS and the Naval Reserves in 1980, he and Pam travelled the world, often in search of descendants and mapping the family tree. He was active in the Lutheran Church and was most recently a member of Our Savior Lutheran Church. He lost his beloved wife Pam on August 22, 2013, just two months before his passing. He is survived by his four children: Cathy Leigh Jelinek and her husband Henry, Wendy Lynn Jalbert and her husband Gilles, Jeffrey Miles Hackett and his wife Sydnia Jacobs, and Laurie Ellen Hackett and her husband David Hollander. He leaves behind 8 beloved grandchildren and 10 great grandchildren. A memorial service was held on November 9 at Our Savior Lutheran Church, 825 S. Taylor St., Arlington, VA 22204. In lieu of flowers, memorial gifts may be made in Milt’s name to the church.

**--Contributed by Henry Jelinek, Charles Nethaway, and Hal Langford**

## WHAT'S NEW IN RESEARCH?

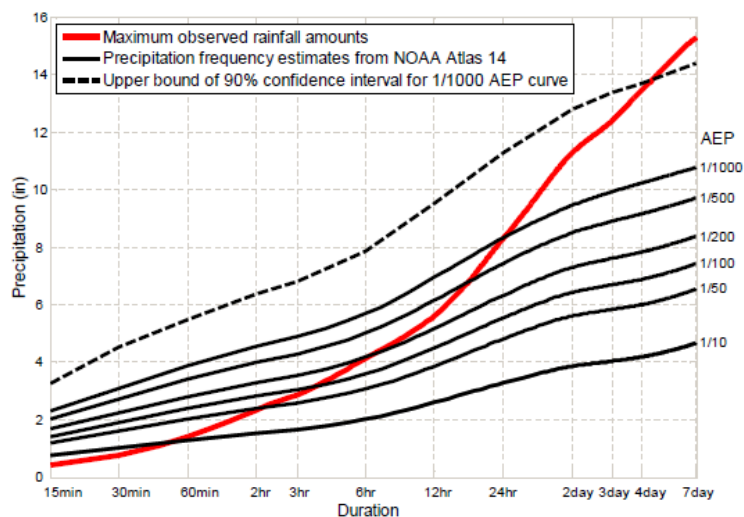
### Recent Floods Along the Colorado Front Range

Jerad Bales, Acting Associate Director for Water



**Figure 1.** Total precipitation from 9/9 - 9/15/2013 (Map: Colorado Climate Center, Colorado State University)

One of the major factors in the flooding was saturated soils. Although the plains had been drier for some period of time, the higher elevations east of the Continental Divide had been receiving fairly consistent precipitation for most of August and the first week of September. In addition, heavy rains also occurred over burn scar areas, where infiltration is limited.



**Figure 2.** Observed rainfall in Boulder and relation to precipitation frequency estimates (National Weather Service).

Beginning Thursday, September 12, 2013, field crews from four USGS Water Science Centers (WSCs) began measuring flood flows, making streamgage repairs, assessing sites to replace those gages destroyed, and flagging high-water marks in those locations where indirect measurements of discharge will be needed. During the flooding, USGS made a total of 81 special streamgage visits, 56 special direct measurements of streamflow, 27 indirect streamflow measurements, and 15 special extensions of rating curves. In all staff from 10 Water Science Centers, the National Research Program, the Water Science Field Team, and the Office of Surface Water assisted in the USGS response.

Because the peak rainfall intensities generally were lower than in previous Front Range floods, the peak flows in the 2013 event were lower than one would expect from the very high precipitation amounts. AEPs for peak flows are still being evaluated, but peaks of record were established at a relatively small number of streamgage sites.



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**Bill and Rosemarie Alley** write, "We have completed our first book as a husband-wife team, published by Cambridge University Press and also available on Amazon. Written for a general audience, *"Too Hot to Touch: The Problem of High-Level Nuclear Waste"* provides an account of the science and politics surrounding disposal of nuclear waste from World War II to present. USGS, of course, plays a big role. The Introduction to the book was included in the August WRD newsletter. Bill is also working 3 days per week for the National Ground Water Association as their Director for Science and Technology."



**Joyce Biesecker** sent us this nice report. "This last Saturday, October 5, the boys and I took part of Jim's ashes to Penn State to scatter on the football field – home end zone – where the students sit, the players come out of the tunnel, the band and cheerleaders are, and where Jim liked to sit to watch warm-ups. We checked out the stone with "Jim and Joyce" on it in the alumni courtyard. We then visited the Nittany Lion Shrine on the campus grounds where we spread a few more ashes. And, of course, we had lunch at The Tavern – including spaghetti and meatballs and cheesecake. It was a beautiful Happy Valley Day, except for a brief shower to wash in the ashes. We



were pleased with how it went and think Jim would be too. Cheers to all." **Editor's Note: The Nittany Lion Shrine was originally donated by the Class of 1940. It was then repaired and renovated with new lighting and walkways by the Class of 2012.** In other news, I made a trip to my sister's in Ohio in late September – arrived on her 83rd birthday. She's doing great for someone who had a major stroke – lives alone, drives, takes her friends to Dunkin Donuts, etc. We had a good visit. The local Ladies Board is getting ready for their big (75th) annual rummage sale at the equestrian center. They made over \$180,000 last year, so you can see that this is a big affair. It will take us a week to get ready – and a month to recover! And finally, I'm taking a trip with the senior center to New York City in December. I'm most looking forward to the 911 Memorial. I'll report back so you can put it the next Newsletter. Wishing you well."

**Jim and Merilee Bennett** write, "We have had a very busy summer with trips to San Diego, to Seattle to visit our son Eric, a 16-day Panama Canal cruise, and to a family wedding in Asheville, NC. The cruise had been on our bucket list for a long time – we left from Los Angeles and the cruise included stops on the west coast of Mexico, a day traversing the Canal, stops in Columbia and Jamaica, and ended when we docked in Miami. The United States construction of the Canal commenced in 1904 and was completed in 1914. The water-supply for the Canal lock operation is an artificial lake, Lake Gatun, with elevation 85 ft. above mean sea level. The canal, including the traverse through the Lake, is 48 miles long. The lift to the Lake level is accomplished using 3 sets of 2 parallel locks on both the Atlantic and Pacific sides, allowing two-way traffic. The source for all the water for the lockage is the Lake, no pumping is involved. Each lock is 110 ft. wide by 1050 ft. long and with a depth at lowest water level of 41 ft. These dimensions limit the size of the ships that can traverse the canal to 106x965 ft. and a fresh-water draft of 39.5 ft. Even with these limitations, for safety reasons, ships are moved into, through, and out of the actual lock chambers by 4 electric 'mules' on cog railways and tethered to each of the 4 'corners' of the vessels. The locks and conduits filling and draining them are massively cast in concrete and, from your perch on the ship, it all appears to be 100 years of age but in great shape. They knew how to pour concrete in those days. (Jim still has some Civil Engineer left in him.)"

**Glen Faulkner** gives us the following update: "Please find enclosed my check for two years plus a donation to the treasury. Things continue to go well here in Duluth, GA for Beth and me. However, last February I lost my left foot as an outgrowth of radiation damage from x-ray treatment of sore Achilles tendons when I was 18-20 years old. I've gotten used to my new prosthetic leg – it works great and I have never looked back on my decision to lose the foot. I continue to really enjoy reading the newsletter. You folks up there do a great job keeping us members informed. With best regards."

**Dave Grason** reports from Washington, "It's coming up on two years now since I retired here to Whidbey Island in Puget Sound, so I thought I'd provide a status report. Holly and I live in the town of Coupeville, the second oldest town in Washington State. Coupeville is a small seaport and tourist town in the heart of Ebey's Landing National Historical Reserve. The Reserve was established in the early 1970s to preserve the area's historical farming and pioneer character that were being threatened by rapid development. The National Park Service provides support for the maintenance and preservation of many of the historical structures and facilities in the Reserve, and I volunteer to help them a couple mornings a week. I also sometimes serve as an unskilled field assistant for my daughter Emily, as she works on her graduate degree in marine biology (oysters, crabs, and snails) at the U of Washington. Since Holly has ramped down her work schedule a bit as she approaches retirement, we finally got around to opening a one-room Bed and Breakfast, called The Tremont Suite, currently without the breakfast part. It's pretty cool and an entirely new experience for us. We don't have our own web site yet, but

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you can see what it's like at [www.airbnb.com/rooms/1669031](http://www.airbnb.com/rooms/1669031) . We're a little out of the way (two hours and a ferry ride from Seattle), but I'd love to hear from any of my former coworkers, still working or retired. [Dgrason801@gmail.com](mailto:Dgrason801@gmail.com)"

**John and Joyce Klein** write, "While in Hawaii on "The Big Island" John and Joyce Klein write that this is our 18th year at one of our favorite timeshare spots. By now we know everyone who works here and they take great care of us. One of the pleasures of being here is our annual visit with Lou Ducret who lives on the southern most tip of the island near the famous "Green Beach". Lou and I have known each other since the early days (1966-67?) when the Colorado District moved into the Villa Italia Shopping Center in Lakewood, CO. We had the entire upstairs section over the Joslin's Department Store. Lou's office was just across the hall from an office I occupied for a while. Lou is doing very well and we enjoy our annual meetings to catch up on family events. He is keeping very busy due to a long drought on the island and he has seen many of his palms, banana trees and macadamia nut trees die in the last couple of years. Nevertheless, Lou is out every morning to walk and run at least 4 miles every day. Our partings are always emotional since we know our next meeting will be at least a year away. Joyce and I love the Island at this time of the year, and we are here for three weeks which includes the second weekend of every Oct. so we can volunteer with Hilton at the Ironman Triathlon aid station. We work at a major water station, and it is exhausting work. One does not just hold a water bottle out for a contestant as they speed by, one runs at full speed holding the water bottle by the bottom so a contestant who is passing by can grab it. It takes several hours to make sure all 2000 bikers get water. Then we move to the other side of the road to be ready when they come back. By 3 pm we are sore and tired but very gratified. This year we were the oldest volunteers, one always feels good when showing the "youngsters" how to do things. Granted, Joyce needs a new hip and knees but that did not diminish her ability to keep me supplied with fresh water bottles for the bikers and to make sure others were doing the same. It's back to Tucson later this week, Joyce is getting ready for a new hip and knees. Next March marks our 50th wedding anniversary and we have some serious plans to explore the Mediterranean and the Holy Lands next fall as a late celebration. So we need to get her ready for lots of walking. And, it's best to get these speed bumps out of the way before health care as we now know it is completely ruined."

**Sol Lang** says, "Hi, Guys. Enclosed is a check for my dues for 2013 and 2014. Keep the rest for where it is needed. Sorry that I'm not able to join you physically at upcoming meetings, but I do think of the organization frequently and fondly. My best to all."

**Hal Langford** tells us, "For the fifth year in a row my daughter and I took a month--long auto trip in September to a part of the United States she had not visited before. This fall we went from northern Virginia north to New York State, visiting Hyde Park, the Adirondack Mountains, and Niagara Falls. Then west through northern Ohio to Michigan and Wisconsin--two states neither of us had visited before. We crisscrossed these two states stopping at many interesting places (including the Wisconsin Dells). Unfortunately we were about 2 weeks ahead of the turning of the leaves--but we had fine weather throughout. She drove, I directed -- 4,000 miles in all. And, the mark of a successful trip: -- we were both speaking to one another at the end!!!!!"

**Jim Mullen** writes, "Enclosed are my 2013 dues. I enjoy reading the newsletters. I especially enjoyed reading Jim Daniel's account of streamgaging in the Sierras. I made numerous helicopter trips in that area. Every trip seemed to have a unique adventure."

**Charles Nethaway** comments from Reston, "As is the case with many of our newsletter quarterly reports, we retirees have learned of the loss of a number of our friends and their spouses. This time, with our November issue, we have read of the loss of two couples, the **E. V. Richardsons** and the **O.M. Hacketts** who died within a short time of one another. Each quarter we editors work with families, WRD archives, several volumes of WRD Histories, emails, and published obituaries when we develop written tributes to these friends. **Jim Biesecker** used to tell me that this was the most challenging part of an editor's job, because it is hard work and personal. (Jim wrote **Carole's**, my wife's, In Memoriam in 2011.) In order to write In Memoriam and Memorial articles, I have now interviewed many family members and retiree colleagues over the past two years -- in person, by phone, and by means of emails and letters. There is a very good and positive aspect to all of this. Paying proper tribute to those who predecease us is something that is customary for all of us to do. And when families and work colleagues do this, it is worthwhile. The Hackett and Richardson families, as well as many of Milt's and Professor Richardson's colleagues, have put much effort into what we will read in the newsletter. I very much appreciate helping to pay homage to retirees and spouses after they pass on. May all of them rest in peace, and may their families take solace in knowing that their WRD friends wish to send condolences. If we are able to help, then we have done our part."

**Editor's Note:** Just as we were about to go to press, I had a chemo related fall on November 8, 2013. Fortunately, my step-daughter found me, called a church friend and a decision was made to call 911 -- I have a break in the humerus of the upper right arm. This will require a consultation with an orthopedic surgeon to determine what the best avenue of treatment will be. I want to extend my appreciation for the final editing and proofing of this NL by Merilee Bennett and her husband Jim. Charles Nethaway

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**Doug Posson**, hailing from Maine, tells us, "I had a recent exchange with Jim Daniel about the NSA's data gathering on the internet and Google's efforts to encrypt their transmissions. I told him I wasn't surprised that NSA was snooping into everything, but was concerned that Google is apparently parsing the contents of every gmail.com message to send leads to their advertisers. At any rate it reminded me of a related experience in Russia. Jim suggested that I send it to you for consideration in the WRD Retiree's newsletter annex. The recent news about NSA scanning the internet reminds me of a trip to Moscow in 1988 to participate in a global change conference. My room on the top floor of the Hotel Belgrade was spartan. But it had what appeared to be sprinkler heads coming from the ceiling. This was reassuring as the posh Hotel Rossiya with no sprinklers had a horrific fire some years earlier with many who died. Laying on my thinly mattressed cot called a bed I noticed there were no water pipes leading to the sprinklers. I climbed on a chair and looked more closely -- there were wires coming out of the ceiling to each, which apparently contained a tiny microphone. Perhaps some flunky apparatchik was in the basement tasked with listening to my room and who knows what else. How boring could that job be? The 10 days I was there I don't recall speaking a single word in that room, not because of the listening devices but, hey, who would I speak to? My Russian was limited: hello, good bye, please, thank you, restaurant, champagne (sovietska champanska) and "my suitcase is still in your trunk". Whoever's reading my gmails might want to trade boring jobs with that guy in Moscow. All the best, Doug."

**John D. Warren** writes to us, "I look forward to the Newsletter every quarter when it comes out. I want to thank you for putting my article on Miami in Newsletter 159. I would also like to submit another article about a young engineer in his first year with the Surface Water Branch who was trying to do his best. It is about when I almost lost my boat and motor in Northeast Arkansas. I didn't dare go back to Ft. Smith without making that discharge measurement on the Spring River. **[See the article in the next quarter's Supplemental Newsletter that is entitled "The Day I Almost Lost my Boat and Motor."]** I know other engineers have stories to tell. I never had to go out on a cable to retrieve a cable car that was taken loose by vandals."

**Texas WRD Retiree's Newsletter:** Our summer is past and we are ready to start a new season. It's still very hot, and we are looking forward to that first cold front. Those making it to the Nutty Brown Café were: **Bob and Libby Burchett, Clarence and Dixie Welborn, Willard Gibbons, and Jack and Velma Rawson.** There was a lot of talking before the meeting and none of that was recorded.

We are meeting at the Nutty Brown because that's the only place we know. Anybody who knows of a different place, I would like to know.

Willard had a benign tumor in one of his kidneys and expects that it will be frozen and removed. We wish him well.

Jack had cancer but is now cancer-free as a result of freezing the cancer -- great news.

Libby has just finished her 8<sup>th</sup> chemo treatment and will have another scan done after her 10<sup>th</sup> treatment to determine how the esophageal tumor is reacting to the treatments. She seems to be doing great! She is doing pretty good and has little or no side effects. The treatment she is undergoing at the present is not like old chemo of the past that caused the patient to be ill for some time after the treatment. We hope that her illness is soon taken care of and that she will be cancer free and all the above will defeat their cancer.

Cecelia Gabrysch, Bob's wife, died during the summer after a long illness. We wish Bob and his family our sincere sympathy and condolence. [Cecelia's In Memoriam article was in the August 2013 quarterly newsletter.]

I know this report is negative, but this is what was discussed at the last meeting.

CT went on a two-week vacation to Yellowstone National Park. He and his daughter Beverly took off Sept. 7 and went to Wyoming and Yellowstone National Park. They took a week to get to Yellowstone. On the way they saw National Parks and geological sights. The most notable canyon was the Black Canyon of the Gunnison River. There are many deep canyons; most of them are in New Mexico and Colorado. After 8 days on the road and 2200 miles, we arrived at Yellowstone. The purpose of the trip was to visit Frances; CT's oldest, turned 60 on Sept. 12, who was working in Old Faithfull gift shop. This is her second year at Yellowstone and also their second trip. Being a worker in Yellowstone, Frances was able to get motel rooms for \$10.00 a night. The rooms were as good as a \$100.00 room. The only thing lacking was a TV. Who needs a TV in Yellowstone? They drove over 200 miles within the park, going into Montana and Idaho. The altitude, 7000 feet, got to C.T. He needed a shot of oxygen. Next year he will have an oxygen tank that he can carry around. Next month he will take his wife and his three daughters and a stepdaughter on a cruise to the Caribbean.

CT doesn't drive anymore. Dixie and his three daughters said "no more" after he ran into two cars at a stop light and totaled his car. He still has a pickup though he doesn't drive it much, just around the yard and once or twice to McCoy's.

Bob Burchett said that it would be nice to see more of our group at our monthly get-togethers. It seems that we are ever decreasing in attendees. ☹

Next month we will again meet at the Nutty Brown Café.

-- submitted by: **C.T. Welborn, Secretary-Treasurer (September 2013)**

## RETIREMENT

### **Dr. Jurate Maciunas Landwehr Retires**

After more than 37 years of public service, Dr. Jurate Maciunas Landwehr is retiring from USGS on September 2, 2013. With degrees in Mathematics/Physics (BS, IIT), Applied Mathematics (MA, U.Michigan) and Environmental Health Sciences (MS and PhD, U.Michigan), her combination of analytic skills and environmental knowledge allowed her to make substantive contributions to the USGS mission.

Jurate came to the USGS from private industry in 1976 and worked with Nick Matalas on problems in stochastic hydrology, particularly the probabilistic structure of flood statistics. This research led to the development of a new parameter estimation method called Probability Weighted Moments, a method described in the Handbook of Hydrology (Maidment, 1993) as one of the "important contributions to the development of hydrology" but one also used within the general statistical community. Jurate's 1982 National Academy of Sciences paper with Nick Matalas and Reds Wolman is one of the first statements that the paradigm of the hydrologic cycle must include human activity.

Jurate initiated the identification of a set of USGS streamflow records that could be used to study climate forcing on surface water systems and defined screening criteria with which to examine all of the USGS streamflow holdings. Her resulting work with Jim Slack, the HCDN (Hydroclimatic Data Network) is widely used throughout the world. Jurate's work analyzing and comparing long proxy geophysical records is highly regarded, including her collaboration with Ike Winograd on Devils Hole, NV. She made substantive contributions to the USGS Chesapeake Bay program, including research to identify water light thresholds necessary for submersed aquatic vegetation, analysis of long-term changes in abundance and diversity of macrophyte and waterfowl populations in the Potomac in response to nutrient limitation, the development of fingerprinting methods for the identification of the sources of fluvial sediments and analysis of trends in discharge, load and water quality statistics in the Chesapeake watershed. Most recently, Jurate has worked with Tyler Coplen on issues pertaining to the use of stable isotopes of water for forensic and river history purposes, developing the Line-Conditioned-excess method for screening water samples relative to global precipitation sources. Their recent work developing a US tap water database for forensic purposes and identification of seasonal, spatial and sources differences, was just published in Hydrologic Processes.

Asides from her research, Jurate has served the USGS in many other capacities (Acting Chief, National Assessment of Water Supply and Demand Program; Chief of the Climate Interest Group; NRP Assistant Research Advisor for Surface Water Science, as well as several other assignments). She has also provided service to professional societies (e.g. service as Associate Editor of Water Resources Research), and she received AGU's Editor's Citation for Excellence in Reviewing in 2002. Beyond these formal activities, Jurate has always put a high premium on helping her colleagues inside and outside the USGS.

We will miss Jurate, and her contributions to the USGS and to the scientific community. Best wishes to Jurate in her new endeavors.

***--Contributed by Dr. Jerad Bales, P.E., Acting Associate Director for Water, USGS***

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### Stan Leake, Groundwater Modeler, Arizona Water Science Center

Retired in September 2013



Stan Leake, groundwater modeler extraordinaire of the Arizona Water Science Center, will be formally retiring on September 30, 2013 after 42 years of exceptionally productive service to the USGS and the Nation! Please join me in congratulating Stan for his accomplishments and service. Stan grew up in Prescott, Arizona and went on to Arizona State University for an undergraduate degree in mathematics. Stan's career with the USGS started as a hydrologic field assistant in 1970 working for the research office of Herbert Skibitzke, in Prescott. While attending ASU, Stan worked at the USGS analog lab in Phoenix, soldering resistors and capacitors onto groundwater models. When that lab was moved to Reston, Stan transferred to the USGS Arizona District, Phoenix office. Stan started as a hydrologist in 1974 at the Mississippi District, Jackson office. While there, Stan teamed up with Mickey Plunkett to build an abacus that was offered as an alternative to the calculators of the day.

Stan returned to Arizona in 1977 in the Yuma area sub office of the Arizona District and was relocated a final time to Tucson, Arizona in 1980. Stan returned to school for graduate studies in hydrology, receiving his M.S. from the University of Arizona Department of Hydrology and Water Resources in 1984. During this early part of his career, Stan developed his chops as a groundwater modeler. Throughout his career, Stan steadily increased his skills as an expert modeler and his reputation grew stronger and broader. He specialized in two aspects of groundwater modeling - land-surface subsidence and groundwater/surface-water interactions. Stan developed packages for MODFLOW that allow simulation of flow into or out of compressible fine-grained materials in or adjacent to aquifers. This advancement allowed simulation of delayed compaction in aquifer materials resulting from groundwater development in ways not previously possible.

Stan's most influential expertise in groundwater modeling is his understanding of and ability to analyze the effects of groundwater by wells on streamflow in hydraulically connected streams. Stan dedicated much of the past 20 years to educating lay persons, resource managers, and hydrologists about the sometimes counter-intuitive complexities of "capture." Stan has an incredible ability to convey complex concepts through easily absorbed explanation. Among his most important developments in this regard are his "capture maps" (aka "tie-dyed" maps) that have revolutionized how relations of groundwater withdrawals and surface-water depletion are displayed.

Yet more influential than Stan's technical prowess, however, is his quiet demeanor, his humility, and the unconditional respect that he shows everybody he encounters. It has been said that the professionalism and respect ordinarily experienced in the Arizona Water Science Center is a direct outgrowth of the example Stan sets on a daily basis.

The USGS is very fortunate that although Stan is officially retiring on September 30, 2013, he will return to the Arizona Water Science Center as a rehired annuitant so we can continue to benefit from his company and his wisdom for some time.

A celebration of Stan's achievements at the USGS was held on October 25, 2013 at Macayo's restaurant, in Tucson, AZ.

***--Story supplied by Jim Leenhouts, Associate Director, USGS Arizona Water Science Center***



## **Update on the 17<sup>th</sup> WRD Retirees Reunion, Portland, Maine October 2-4, 2014**

We hope many WRD retirees are planning to attend the reunion in Portland, Maine early in October 2014. This reunion in Portland, Maine will give retirees living in the eastern and central USA an excellent opportunity to attend. We have great activities planned for attendees at the event!

Reunions feature field trips, a gala banquet, local tours, a general business meeting, and a hospitality room that is always a favorite gathering place. Activities scheduled for the Portland reunion include a Friday evening trip on the Casco Bay Ferry to Peaks Island in the Bay for a full-scale lobster seashore style dinner!! A Saturday bus excursion will travel from Portland to North Conway, New Hampshire, located in the foothills of the White Mountains, for viewing of the usually spectacular fall foliage of New England. Also on Saturday, a shorter bus tour has been scheduled to nearby Village of Freeport (home of LL Bean's flagship stores and many other first class outlets). A local brewery tour, a light house tour, and a downtown arts district tour will also be available. Many excellent restaurants and pubs are located within easy walking distance of the hotel.

The WRD Retirees 2014 Reunion will take place at the Westin Portland Harborview Hotel in downtown Portland: address 157 High Street, Portland, Maine, 04101. Transportation opportunities to and from the reunion are many. The hotel has a complimentary shuttle from the Portland International Airport (PWM), which is less than 5 miles from the hotel. Major airlines serving Portland are Southwest, United, Delta, US Airways, and Jet Blue. The AMTRAK station is about 2 miles from the hotel with "Downeaster" train service from Boston. I-295 and I-95 provide direct easy driving access to the city.

Transportation will be arranged for reunion events outside the hotel. If you plan to drive to Portland, you have an opportunity to extend your visit and travel to places like Acadia National Park, the Green Mountains of Vermont, the White Mountains of New Hampshire, and the Great Coast of Maine along US Route 1. For history buffs, there is the City of Boston, and other early American historic areas of New England. Information will be provided on these and many other vacationing opportunities before and at the reunion.

We hope you can join us in October 2014 for a great New England fall visit and to renew friendships with WRD colleagues.

WRD Retirees is now on Facebook. Just type "WRD Retirees" in the Facebook search box, and then click "like". ***As we get closer to the reunion date, more reunion information and event web page links will be posted. The registration information and form will also be included in the February 2014 newsletter.***

## ELECTION OF WRD RETIREES OFFICERS: 2014 - 2015 BIENNIUM

It is election time. The slate of candidates, selected by the Board of Directors, is shown below with a brief biographical sketch for each.

**President, Ethan T. "Tim" Smith:** Tim came to the USGS from EPA in 1974 to join the Resource and Land Investigations (RALI) Program, and worked on land and natural resource analysis. After a stint as Chief of Plans and Programs in the Director's Office, he joined WRD as deputy in the office which contained the National Water Summary and the Office of Water Data Coordination (OWDC). Subsequent to further reorganizations, he helped create the Water Information Coordination Program (WICP). Since his retirement in 2000, he has carried out a volunteer effort of research and publication on sustainable water resources. He is an Associate Editor of AWRA IMPACT. He currently distributes weekly News Notes on Sustainable Water Resources, and maintains a web site at <http://sites.google.com/site/sustainablewaterresources/>. Tim and his wife, Ellendale, live in Reston, VA.

**Vice President, Alberto "Al" Condes:** Al began his career with WRD as a streamgager in AZ. After a 4 year leave of absence to serve as a lieutenant in the US Air Force he returned to the AZ District to work in construction, special studies, and then as Subdistrict Chief in Yuma. Al moved to Headquarters and worked as Contracts Coordinator and then as Chief of the Operations Branch. He is a Registered Professional Engineer in Arizona and a recipient of the Department of the Interior Meritorious Service Award. Al and his wife, Mary, reside in Fairfax, VA.

**Secretary, Clarence W. "Andy" Anderson:** Andy started his career with WRD, in Washington, DC in 1962, as a Hydraulic Engineering Technician. He was hired to make complete engineering drawings of all WRD equipment utilized in the field, according to military standards, and which could be used to contract out to the open market. In the mid 1980s Andy was named WRD Safety and Occupational Health Specialist, performing safety inspections of District and field Offices, laboratories, storage areas, and selected vehicles, until he retired in January 1995. Andy and his wife, Mary, a USGS retiree, reside in Herndon, VA.

**Treasurer, Celso Puente:** Celso began his WRD career in 1966 as a Hydro Tech in San Antonio, TX. He converted to a Hydrologist in 1972. From 1976-80 he served as the Project Chief of the Warrior Coal Field Hydrologic Study in AL. From 1981-86 Celso was Assistant District Chief and Hydrologic Studies Section Chief of WV. Celso transferred to HQ in Reston and served as the WRD Staff Hydrologist for Reports from 1986-2001 and as Acting Chief of Environmental Affairs from 2001-2005. Celso retired in 2005 and currently lives with his wife, Maria, in Herndon, VA.

**Archivist, Richard A. "Dick" Engberg:** Dick Engberg retired in 1999. He started with WRD in Lincoln, Nebraska in 1962 as a Physical Science Aid while attending the University of Nebraska. In 1965, he was rated as a chemist. He remained in the Nebraska until 1986 when he became District Chief, Iowa. In 1990, he was selected as Manager, National Irrigation Water Quality Program. Since retirement, he has worked part-time for the American Water Resources Association. He received the Distinguished Service Award and resides in Sterling, Virginia with his wife Lynne, a current USGS employee.

**Northeastern Region, Sharon Goss:** Sharon began her WRD career in 1975 in Indianapolis as an Editorial Assistant. In 1981 she became the Administrative Officer for the IN District. In 1986 she transferred to the PA District as the AO and in 1993 she transferred to Denver as the CO District AO. Sharon chose early retirement in 1999. Since her retirement she has held a variety of jobs in the educational and social work fields. She also volunteers for several community organizations. She has served as the Indiana District contact for WRD Retirees. She and her husband, Rick, also a WRD retiree, live in Sullivan, IN.

**Southeastern Region, Richard M. "Dick" Bloyd:** Dick began his career with the Weather Service in 1962 and in 1965 transferred to WRD in Garden Grove, CA as a Hydrologist. He was appointed a Research Hydrologist in the Mid-Continent Region in 72 and in 74 moved to the CA District where he was appointed District Chief in 78. In 82 he was Regional Manager of the Conservation Div. WR office -- when CD moved to MMS, Dick returned to USGS. In 83 Dick became District Chief, WY and in 87 Asst. Regional Hydrologist in Atlanta, retiring in 90. Dick and his wife, WRD retiree Mary Dunn, live in Hoschton, GA.

**Central Region, C. R. "Bob" Burchett:** Bob began his career in the Marion, VA Subdistrict in 1963. Bob worked as a streamgager until 1966 when he transferred to Nashville, TN to work in the Studies Section on Limestone Hydrology projects. In 1976 Bob was selected as Chief of the Nashville Field Office which was later upgraded to a Subdistrict. In 1982 Bob was named Chief of the San Antonio, TX Subdistrict and stayed in that position until he was selected as District Chief for OK in 1986. In 1989 Bob was picked as District Chief, TX. In 1991 Bob was named as Area Hydrologist of the "Great Southwest Area." Bob was then selected as the Central Region Program Officer in 1996. He retired in 1999. He and his wife, Libby, live in Austin, TX.

**Western Region, E. James "Jim" Crompton:** Jim is a graduate of Michigan Technological University and the University of Arizona. He began his career with the USGS in Nashville, TN. He was then in the Indiana District for 8 years and finished his career in Carson City, NV. Since retiring in 2013, Jim has been spending his time as an international mountain bike referee at races in North and South America. When Jim is not traveling he volunteers at Tahoe Rim Trail Association as a crew leader, Carson-Tahoe Hospital and at the Carson School District. When not at bike races or volunteering Jim is hiking and camping in the Sierra Nevada and elsewhere.

## BALLOT

Vote for one person for each National office and a Regional Director in **your** Region. Vote for either the nominee shown or another Retiree whose name you must enter in the blank space to the right of the nominee. Complete the ballot by placing an "X" in the parentheses to the right of that candidate. Print your name and provide your signature. Mail your completed Election Ballot to:

**Secretary, WRD Retirees**  
**P.O. Box 280**  
**Herndon, VA 20172-0280**

Your ballot must be received by December 28, 2013. A brief biographical sketch for each nominee appears on page 10 of this Newsletter.

President:	<b>Ethan T. "Tim" Smith</b>	( )	_____ ( )
Vice President:	<b>Alberto "Al" Condes</b>	( )	_____ ( )
Secretary:	<b>Clarence W. "Andy" Anderson</b>	( )	_____ ( )
Treasurer:	<b>Celso Puente</b>	( )	_____ ( )
Archivist:	<b>Richard "Dick" Engberg</b>	( )	_____ ( )

Regional Director: **Note** -- vote **only** for a candidate in **your** Region

Northeastern:	<b>Sharon Goss</b>	( )	_____ ( )
Southeastern:	<b>Richard M. "Dick" Bloyd</b>	( )	_____ ( )
Central:	<b>C.R. "Bob" Burchett</b>	( )	_____ ( )
Western:	<b>E. James "Jim" Crompton</b>	( )	_____ ( )

Members Name: (Please print): \_\_\_\_\_

Members Signature: \_\_\_\_\_

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## NEWS OF RETIREES FOR THE NEXT NEWSLETTER

Please use the space below to let us know what's happening in your life. Your friends and colleagues in WRD Retirees would like to hear what you have been doing! Thanks!

## MEETINGS AND GATHERINGS

### COLORADO LUNCHEON, SEPTEMBER 12, 2013



The WRD Retirees in Lakewood, Colorado held their Fall Lunch on Sept 12.

**Front row (L-R):** Karen Lystrom, Paula Blakey;

**Middle row (L-R):** Barbara Kastner, Saundra Duncan, Cynthia Norman, Judy Cornwell, Bob Brennan, Elaine Brennan, Dee Teasdale, Barbara Rathbun;

**Back row (L-R):** Jack Weeks, Bill Kastner, John McLean, Judy Weeks, Bob Meade, Dave Lystrom, Jerry Duncan, Jim Blakey, Warren Teasdale, Ron Rathbun.

*--Photo taken by Saundra Duncan*



## MEETINGS AND GATHERINGS

### TALLAHASSEE, FLORIDA REUNION, MAY 23, 2013



*--Photo edited by Mildred Glenn*

The 2nd Reunion of USGS Retirees of the Tallahassee, Florida Office (1965-2013) was held on May 23, 2013 at a local tavern to reunite, reminisce, and have a relaxing time with one another. The first reunion was held in May 2010. Mildred Glenn, Sherron Flagg, and Roger Rumenik serve as a committee for planning reunions and to maintain a current list of personal information for all USGS personnel that stay currently attached to Tallahassee in some way. Our list includes about 60 people.

**A Brief History of the Tallahassee Office** - In the mid-1960s, the Florida District Office moved its headquarters from Ocala to Tallahassee. A few years later the Tallahassee Overflow (field) Office was created and later expanded to a Subdistrict Office. In the 1980s, the District and Subdistrict Offices were combined. In 2002, the title of District Office was abolished and the Florida Integrated Science Center (FISC) was established as a combined science center that included water, biology, and geology. In 2009 under the new USGS Director, FISC was abolished and Water resumed as a separate discipline. The Tallahassee Office continued to support project, field, and publication units until 2012. The USGS Water District Office currently resides in the north Tampa area. A small field office currently remains in Tallahassee.

*-- Roger Rumenik*

## MEETINGS AND GATHERINGS

### HAWAII LUNCH, JULY 7, 2013



The Hawaii WRD retirees had a 9-months hiatus. Coordinator, John Yee, was recovering from his triple by-pass surgery. John is doing well and will continue to organize the semi-annual get together. Everyone with selected spouses and current WRD employees enjoyed excellent Korean food. Former USGS employee, Jimmy Lee, who retired from the US Army Corps of Engineer, joined us for the first time.

**Front row (L-R):** Ben Shimizu (current USGS employee), John Yee, Leanne Kitano (current USGS employee), Lodie Celebrado, and Salwyn Chinn.

**Back Row (L-R):** Dale Nishimoto (current USGS employee), Richard Obata, Reuben Lee, Violet Ansai, Grace Tateishi, Jimmie Lee (USACE retiree), Frank Romualdo and George Dayag.



## MEETINGS AND GATHERINGS

### INDIANA LUNCHEON, APRIL 18, 2013



A few Indiana retirees met for lunch in April. Around the table **(L-R)**: Lee Watson, Jerry Davis, Dave Cohen, Jeff Martin (not an official retiree, but we accept him), Debbie Majors, Sharon Goss, and Rick Goss.

### NORTH CAROLINA FALL LUNCHEON, OCTOBER 31, 2013



**Front Row (L-R)**: Peggy Allen, Myra Daniel, Nancy Williams, Mickey Reid, Doug Harned (will retire 1/2/14), Ron Coble, Nancy Coble

**Second Row (L-R)**: Rufus Allen, Charles Daniel, Gary Garrett, Nancy Garrett, Jim Turner, Mike Winner, Bill Wilson, Kathy Wilson

## MEETINGS AND GATHERINGS

### OHIO LUNCHEON, OCTOBER 1, 2013



Ohio met in October for lunch. Attending were **(L-R)**: Dick Swisshelm, Bernie Sroka, Dean McFadden, Sandy Beck, Janet Welday, Alan Sedam, Steve and Sandy Hindall. We will meet again next April and October in 2014.



## IN MEMORIAM



**Elinor Lucier Beall**, long-time resident of Herndon, VA, passed away on September 14, 2013. She was preceded in death by her husband of 62 years, WRD Retiree Robert Beall who died on August 23, 2011. Upon turning 18, Bob enlisted in the US Army Air Force and served in weather forecasting offices in numerous places during the years 1941 to 1945. He was honorably discharged in 1945 as a Master Sergeant, with an American Defense Service Medal and the American Service Medal. After the War, Bob graduated from the U of Rhode Island with a major in engineering. It was during his college years that he met Elinor Lucier, and they were married in Wakefield, RI on December 23, 1947. Bob was hired by the USGS in 1948 as a student aid, and after graduation in 1949, he began full time work as a hydraulic engineer. Over some 40 years Bob served in many positions, including assignments in Boston, MA; Cumberland and College Park, MD; to the USGS headquarters in Washington DC; to Albany, NY; to Garden Grove, CA; and to Carnegie, PA; and to a final move to the USGS National Center in Reston VA. Bob was involved in data collection, flood reports, indirect measurements, and rainfall-runoff studies. In his last assignment in Reston, he participated in the administration of the International Water Resources Program until his full time retirement at the end of 1978. Following retirement from full time employment, Bob continued to contribute to the International group for many years. At age 80 he resigned his temporary assignment. Bob was intensely involved in WRD Retirees and served as a major figure in the organization for many years. He became Secretary in 1980, serving until 1997, when he surrendered this responsibility and became the WRD Retirees' Archivist. His efforts as Archivist are still evident, as he spent many hours screening retirees' personnel files for material that would be useful for subsequent writings for "in Memoriam" and "Memorial" articles for the WRD Retirees newsletters. Bob was the mentor of Bill Boning, our current WRD Retirees Secretary. Elinor was also predeceased by her daughter, Joy. Elinor is survived by her daughter, Janice Beall of Cumberland, MD; her son, James Beall and his wife, Susan Becker of Boulder, CO; and her four grandchildren, Joby Clements, Philip Clements, Jonathan Becker Beall and Kate Becker Beall who will all miss her greatly. Memorials may be made to the University of Rhode Island, the alma mater of Elinor and Robert, [www.urifoundation.org](http://www.urifoundation.org). Private arrangements were handled by the Upchurch Funeral Home.



**Marguerite A. Conover**, 95 passed away on August 9, 2013, in Dallas, Texas. Mrs. Conover was born Marguerite Agnes Nolan in 1917 in Peabody, Massachusetts to the late John Bernard Nolan and the late Agnes Mary Lally. She obtained her R.N. from Salem Nursing School in 1941 and practiced nursing at Massachusetts General Hospital. She married Clyde S. Conover, a Captain in the U.S. Air Force, in 1943 and settled in Albuquerque, New Mexico, where Mr. Conover began his career with the U.S. Geological Survey. Clyde's career began in New Mexico, working as an assistant to C.V. Theis beginning in 1949. He authored Water Supply Paper 1230 in 1954, "Ground-water conditions in the Rincon and Mesilla Valleys and adjacent areas in New Mexico," 200 pages of text, maps, and tables, the first significant ground-water WSP in New Mexico since 1933. He and Theis worked on developing water supply analysis in the vicinity of Los Alamos. Conover then transferred to USGS Headquarters where he was the Assistant Chief, Ground Water Branch for several years. He returned to the field in February 1962, becoming the District Engineer, Florida Ground Water Branch. In early 1965 the Florida programs became a single Division District and Clyde became its first District Chief, serving in that capacity until he retired in February 1980, his duties being taken over by Irwin Kantrowitz at that time. Marguerite and Clyde had two daughters while living in Albuquerque. They moved to Bethesda, MD, in 1957, then to Tallahassee, FL, in 1962 where they were members of Blessed Sacrament Church. Mrs. Conover had lived in Texas since 2008 where her daughter and granddaughter's families reside. She is survived by two daughters, Carol Conover and Cathi Chambers (Ron); one granddaughter, Cairy Phillips (John); and two great grandchildren. She was preceded in death by her husband who died on May 28, 1998. Donations may be made to Catholic Charities at <http://www.catholiccharitiesusa.org>. Services were held in Tallahassee on September 28 at Oakland Cemetery.

**Marguerite (Pam) Phyllis Hackett**, 89, died peacefully August 22, 2013 in her home at Goodwin House-Bailey's Crossroads, Fairfax County, VA. She was born March 28, 1924 in Everett, Massachusetts to the late Antoinette and Maurice King, of Finnish and Sicilian ancestry. Pam graduated from Boston University in 1945 where she majored in music. Although her love for her family always came first, music continually played a very important role throughout her life. She sang and performed on stage and radio and eventually moved to New York City where she studied with the Duncan Sisters who took her under their wing. She was considered a serious replacement for the famed Deanna Durbin and Judy Garland. She also taught music at various schools from Darien CT to Arlington VA. During WW II she sang with the USO, often on ships docked in Boston harbor, entertaining war-weary sailors. It was during one of these performances that she crossed paths with a young naval officer by the name of Orwoll Milton "Milt" Hackett. They married in March of 1946 after Milton returned from the Pacific front, and their love for each other only grew stronger over the next 67 years. [See *Milt's Memorial*, page 2 of this Newsletter.] Although Pam committed herself to her husband and growing family and gave up her pursuit of a promising professional music career, it did not stop her from working with music wherever she lived. She directed a mass choir in Wyoming, continued to teach music, directed operettas in the Boston area, and sang and played organ and piano and directed church choirs. Since 1961 Pam and Milt have been living in the Arlington / Falls Church region of Northern Virginia. Always adventurous spirits, they traveled to numerous

## IN MEMORIAM

countries around the world. Pam was an active member of Our Savior Lutheran Church. The church provided her spiritual nourishment and her faith in God never floundered. She taught school in the Arlington county system, was an active volunteer in various organizations, and continued a lifelong relationship with her Tri Delta sisters. Her trademark smile was contagious and touched all those who came in contact with her. She was survived by her husband Orwoll Milton Hackett who later passed away on October 22, 2013; and by her brother Robert Maurice King and his wife Sallyann. Pam also leaves four children: Cathy Leigh Jelinek and her husband Henry, Wendy Lynn Jalbert and her husband Gilles, Jeffrey Miles Hackett and his wife Sydnia Jacobs, and Laurie Ellen Hackett and her husband David Hollander. She also leaves 8 grandchildren and 10 great-grandchildren. In lieu of flowers, the family suggests memorial donations in her name may be made to Our Savior Lutheran Church, 825 S. Taylor St., Arlington, VA 22204.



**Edwin "Ed" Earl Harris**, 93, of Reno, NV, passed away on June 12, 2013. Edwin was born in Portland, OR on April 26, 1920. Ed graduated from Franklin HIGH School in Portland and joined the U.S. Marine Corps in 1941 before Pearl Harbor. He served overseas in the Battles of Guadalcanal and Tulagi Islands. After the war, Ed studied Engineering at Oregon State University and then worked for the U.S. Department of the Interior, USGS, Water Resources Division, for over 35 years. His work took him from Portland to the San Francisco Bay area of California; Carson City, NV; Albany, NY, Charleston WV, and Boise, ID, where he retired. Outside of the family, Ed's sense of humor, love of children, and the outdoors were what those close to him knew mattered most in his life. He is predeceased in death by his wife of 67 years, Shirley [see below], and survived by son David and family of Reno, NV; daughter Kathleen of Seattle, WA; and brother David (wife Evelyn) of Neskowin, OR.

**Shirley Harris**, 87, passed away on June 1, 2012. She was residing at Overland Court Senior Living Center in Boise with her husband of 67 years, Edwin E. Harris [see above]. Shirley was born Shirley Ann Jennings on February 10, 1925 in Portland, Oregon. She was a longtime resident of Idaho and had lived in Kuna and Meridan. Surviving Shirley were her husband, Ed; children David and Kathleen, and a granddaughter and great-granddaughter. Graveside services were held the Idaho State Veterans Cemetery. "He bids me go with the sound I know, His voice to me is calling."



**Patricia "Pat" Jean Latkovich**, 74, passed away with family at her side on December 20, 2012. She was the widow of WRD Retiree Vito Latkovich. A native of Anacortes, WA and resident of Gonzales, LA, Pat was a 1956 graduate of Anacortes High School and attended Skagit Valley College, Mount Vernon, WA. Pat's husband, Vito, served in many capacities in WRD. Vito worked in the Los Angeles, CA, Surface Water Branch in the 1960s, then on a Surface-Water survey and analysis in Afghanistan, 1966-1969, including advising the Afghan delegation at a flood-frequency seminar in Bangkok, Thailand. In 1971 he became chief of the Hydrologic Records Section in the Caribbean District. In 1975 Vito transferred to the Minnesota District where he became Assistant District Chief. Vito's last assignment began in 1987 when he was named Chief, Hydrologic Instrumentation Facility (HIF) at Stennis Space Center in Hancock County, MS. Vito retired in 1995. Vito died on March 7, 2003. Patricia is survived by a daughter, Michelle Guillory and husband Barry; son, Thomas Latkovich and wife Harriett; two sisters, Grace Marulla and Mary Antsen; two brothers, James and William B. Brannick; and six grandchildren, Erin, Luke, Gina, and Sara Guillory, and Isabella and Tommy Latkovich. Preceded in death by her parents, William E. and Florence Kellerman Brannick; husband, Vito J. Latkovich; two brothers-in-law, Richard Marulla and Robert Antsen; and aunt and uncle, Ada and Bud Cartee. The family would like to extend a special thanks to St. Joseph Hospice. In lieu of flowers, donations may be made to St. Joseph Hospice or the American Cancer Society.

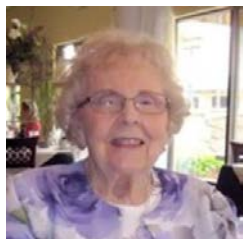


**Charles A. Lee**, 76, of St. Petersburg, FL, died March 17, 2012. Survivors: son Christopher; grandson Cory; companion Mary. Charles was born on May 28, 1935. He was a proud veteran of the US Air Force. Charles retired from the USGS Water Resources Division in 1993. One of Charles' last assignments was in the Hydrologic Data Section of the Mississippi WRD District in Jackson, Mississippi. He was in the Tampa Subdistrict of the Florida District in the 1970 as a hydrologic technician. Later in the 1970s he transferred to the Wisconsin District. Services were held at First Unity of St. Petersburg on March 20, 2012. In lieu of flowers, please donate to Suncoast Hospice. Arrangements were made by the Veterans Funeral Care of Clearwater, Florida.

**Doris Helen Molloy**, 88, passed away on March 3, 2011 in Tucson, AZ. She was born April 28, 1922 in Binghamton, NY. She was preceded in death by her husband of 42 years, John J. Molloy, in 1982. Doris married John in 1940, and lived in New York, Pennsylvania, and Ohio before retiring to Tucson in 1974. John graduated with a BSCE in 1935 from Worcester Polytechnic Institute, Worcester, MA and joined the USGS in 1938 as a hydraulic engineer. He worked in Albany until he enlisted in the Army in 1942 in World War II, serving as an officer until 1946 when he returned to the Survey. John was in charge of offices in Ithaca, NY, then as District Engineer (Surface Water) in Pennsylvania in 1956

## IN MEMORIAM

and as District Chief in Columbus, OH when the Ohio District became a unified district in 1965 and until his retirement in 1973. Soon after retirement the Molloy family moved to Tucson, AZ. Doris was a homemaker, a devoted mother and grandmother who liked to cook and sew, enjoyed travel, and was an avid reader, using her love of books as a long-time volunteer with the Friends of the Pima County Public Library. Doris, overcoming polio and breast cancer, enjoyed an active and vibrant life with many friends until well into her later years. Survivors include her six children: Maureen (Santo) Listro, Joan (Robert) Williams, James (Medalee) Molloy, Patricia (Michael) Ross, Mark Molloy, and Brian (Emy) Molloy; nine grandchildren and five great-grandchildren. She also leaves behind sisters-in-law Jane Loeffler, Sr. Elizabeth Molloy, Sr. Janice Molloy, and Kathleen Molloy, as well as many nieces and nephews. A graveside service was held at Our Lady of the Desert Cemetery. Arrangements were under the direction of Desert Rose Cremation & Burial, Tucson, AZ.



**Bernadette Elizabeth (Spalding) Parker**, 86, passed away on August 4, 2013. She was born on July 25, 1927 in Washington, D.C. to Bernard and Mary Spalding. Bernadette was the widow of Dr. Gerald G. "Jerry" Parker, Sr. Bernadette died peacefully and surrounded by family at the home of her daughter, Lisa Parker Bryson and son-in-law, William Jeffrey Bryson in Wesley Chapel, FL. Raised a devout Catholic, at the age of 83, she changed her affiliation after much study and reflection and became a member of Family of Christ Lutheran Church, Tampa. During the 1970's-1980's, Bernadette was a "band mother" to hundreds of students in the Adams and Chamberlain bands. After raising her children, she attended college in Tampa and worked as a medical transcriptionist, an executive secretary in OSHA and for several years as Assistant to the Dean of

Admissions at the University of South Florida, College of Medicine. In 1986, she battled breast cancer along side of her sister, Geraldine who succumbed to Stage IV Breast Cancer. Until her last day she supported and encouraged her daughter, Lisa, who has been battling Stage IV Breast Cancer for nearly four years. Nothing gave her more pleasure than raising her children and being a grandmother. She was the bride of Dr. Gerald "Jerry" Parker who preceded her in death on January 30, 2000 at the age of 94. Jerry joined the USGS in 1940 in Miami, FL. Jerry served as district geologist in the South Florida District until 1949 when he transferred to Hanford, WA to work on radioactive wastes with the Atomic Energy Commission project. He then, also in 1949, transferred to USGS Headquarters where he first was Assistant Branch Chief for Geology in the Ground Water Branch where he was responsible for hiring and placing new hires in appropriate positions around the country. With these skills, in 1951 while head of manpower and training, Jerry initiated a career-development program as well as the ground-water short courses. He was a frequent lecturer in these courses, specializing in history and management. He was the first hydrologist to use formal names to describe aquifers, naming the Biscayne and Floridan aquifers after his hydrogeologic research (WSP 1255, 1956). In 1963, Jerry prepared a USGS WRD Family Tree from 1867 through 1947, updated by George Ferguson through 1975. Jerry moved to Albany in 1966 and was named the second District Chief of New York in 1957, replacing Ralph Heath who had transferred to North Carolina. Jerry retired in 1969. Bernadette and Jerry were the proud parents of six, three of which also preceded her in death: John Stibli, Robert Anthony Parker, and Carole (Parker) Austin. She is survived by her daughters, Elizabeth Parker (Gutowski), Deborah (Parker) Kratz, and Lisa Parker Bryson. Her sons-in-law are Peter Gutowski, David Austin, David Kratz and William "Jeff" Bryson. She was grandmother to Carolyn (Gutowski) Palumbo, Susan Gutowski, Christina Renee Austin, Darrel Anthony Austin, Olivia Marie Austin, Diana Courtney Bryson, Sarah Grace Bryson and great-grandson, Leo Palumbo. She is also survived by her siblings, Mary Louise Clemens and Bernard Spalding. Bernadette was preceded in death by brother, Michael Spalding and sister, Geraldine Agnes Stange. She leaves behind numerous loving nieces and nephews and good friends from Sun City Center and University Village as well. During her husband's early career, she managed to take care of and occupy five children in an Airstream trailer as they traveled throughout the western U.S. for his work, surviving many harrowing experiences and relying on her own wits for long periods of time while her husband was gone doing field work. She was a fabulous cook, quilter, gardener, entertainer and a loving, devoted wife and mother who will be dearly missed by many. A Celebration of Bernadette's life was held on August 10, 2013 at Family of Christ Lutheran Church in Tampa. Those wishing to make a donation in Bernadette's name may donate to [www.Metavivor.org/](http://www.Metavivor.org/) (For research into curing Advanced Stage Breast Cancer.)

**Billie Ann Richardson**, 86, passed away on July 18, 2013. Billie was born on February 8, 1927, to Galen L. and Gladys Dawson Kleckner in Trinidad, CO. Her great-grandfather, John Barkley Dawson was an early rancher in the Hayden, Colorado area. As a child, Billie lived in Trinidad, Hawaii, Hayden, Riverton, Wyoming and Durango, before settling in Fort Collins. In 1948, she married Everett V. Richardson whom she met on a blind date while attending Colorado A & M (Colorado State University), and working on her Bachelor's Degree in Home Economics. Everett was a professor emeritus at CSU and over the course of his career he traveled throughout the world, often taking Billie with him. [See Everett's obituary, below.] She traveled to Egypt, Singapore, Venezuela, and Malaysia, to mention a few places. Egyptian friends made sure she visited the Suez Canal, Abu Simbel as well as the Aswan High Dam. In retirement Billie and Everett continued to travel with an almost annual trip to Hawaii. Billie was active in the CSU Women's Association, helping with the CSU blood drives (she was usually the one to pick up the orange drink). At the age of 81 Billie became a glass artist exhibiting in several galleries. She usually rejected the idea that her creations were anything much, after all she just used scraps to create her clocks, jewelry, buttons ("Billie Buttons") and wall hangings. Her humility and gentle nature often hid



## IN MEMORIAM

her unassuming wit and humor. Her greatest joy was her family. She and Everett delighted in taking grandkids on trips whether it was to Florida to view a shuttle launch, or Washington, D.C. In the last six months of her life she cared for Everett as he dealt with cancer. She is survived by her husband of 65 years, Everett, her daughter Gail Frick (husband Dave) of Fort Collins, son Dr. Tom Richardson (wife Barbara) of Spokane, WA, and son Dr. Jerry Richardson (wife Beth) of Overland Park, KS. She was very proud of all her grandchildren: Don Frick (Kim), Anna Frick (Dustin Boyd), Dr. Erin Lane (Jeff), Sara Richardson, Molly Richardson, Hillary Bird (Dan), and Cassie Baird (Bo). In the last few months as she dealt with the effects of her cancer, she especially enjoyed visits from her great-grandson Owen Frick—he lifted her spirits. Billie's family would like to acknowledge the special care and support they have received from Pathway's Hospice and Visiting Angel's caregivers, especially Barb, Wanda, Amanda, Rose and Maria. A memorial service will be planned for a later time. In lieu of flowers, the family requests that a donation be made to a scholarship which has been set up at Fort Lewis College. Donations should be made to the "Hesperus Girls +1 Scholarship" at Fort Lewis College (1000 Rim Drive, Durango, CO). This scholarship was set up to honor the nearly 70 years of friendship of 5 girls from the Durango, CO, and Aztec, NM, area who attended the early Fort Lewis College on the old Hesperus campus.

**Dr. Everett V. Richardson, 90, died on August 6, 2013.** He was born on January 5, 1924, in Scottsbluff, NE to Tom and Jean Richardson. Following graduation from Scottsbluff High School in 1941, Everett joined the U.S. Army and he was wounded at the Battle of the Bulge. Following the war, Everett enrolled at Colorado A&M. It was there that he met his wife, Billie Ann Kleckner (February 8, 1927 – July 18, 2013) forming a partnership that spanned over 65 years. Speaking as the CSU Honor Alum, he told how Colorado A&M greeted the returning GIs by setting up housing in the Field House – there not being enough housing on campus or in Fort Collins to handle the influx of students after the war. Everett was fiercely loyal to Colorado State University. He holds a B.S., M.S., and Ph.D. from CSU in Civil Engineering. In his 63+ years as an expert in bridge scour, irrigation, open channel flow, alluvial flow, on-farm water management, and international development, Everett traveled the world working on projects in Pakistan, Venezuela, Egypt, India, and Bangladesh. His career included 17 years with the Water Resources Division of the USGS, 25 years a Professor of Civil Engineering and administrator for the Engineering Research Center at CSU, and 21 years as a senior associate at Ayres Associates. Everett's USGS career began in 1949 in Riverton, Wyoming as a hydraulic engineer. In 1953 he was reassigned to Iowa City, IA, and in 1956 he settled in Fort Collins as a research hydrologist (Surface Water) until he left the Survey in 1974 to become a professor at Colorado State University for the remainder of his distinguished career. While with the USGS at Fort Collins, Everett and Daryl B. Simons directed the laboratory effort in a study of the hydraulics of alluvial channels, jointly undertaken by the WRD Surface Water and Water Quality Branches. Dr. Richardson was a Fellow ASCE, Honorary Diplomat Engineering Water Resources and received the Hans Albert Einstein Award. One especially notable project was when the National Academy of Science asked him to go to Egypt with a team of other scientists to show the United States' sincerity to Egypt after presidents Carter and Sadat formulated the US-Egypt accords. Egypt was just starting their Irrigation Water Center and needed help. The Agency for International Development asked Everett to write a proposal and put together a team to work with Egypt on this need. AID funded 2 projects for a total of \$27 million, the largest grant in CSU's history.



**Wallace Dean Robbins, 93, passed away October 18, 2013** at his home in Spicewood, TX. Born in Jonah, TX, on October 10, 1920, he recently celebrated his 93rd birthday and his 70th wedding anniversary. Wallace grew up on a farm near Hutto and played basketball and baseball for Hutto High. On October 4, 1943, he married Bernadene Melber, also of Hutto. For over 40 years spent working for the USGS and the Lower Colorado River Authority, he constructed, maintained, and operated stream gaging stations across Texas, including measuring river and creek flows during flooding caused by the most adverse storm conditions. Wallace began his career with USGS in January 1956 in Austin as an engineering aid and soon became a hydrologic engineering technician. He retired in 1982. Raymond Slade, Jr., who retired from the Austin office in 2003 recalls, "Wallace was the lead technician in the Austin Field Unit when I began with the USGS as a student employee in 1969. He was very knowledgeable in streamgaging and a very giving and kind man." Wallace was a member in good standing of the Onion Creek Masonic Lodge for over 50 years. A lifelong passion for hunting and fishing continued through his last hunt, when he harvested a turkey gobbler 18 months ago. Wallace is survived by his wife, Bernadene; son Dean Robbins (Lisa Kost); daughter Janis Barker (Bob); granddaughter Allison Barker Davis (Robert); grandson Bryan Robbins; granddaughter Angela Barker; great-grandchildren Conor and Ava Davis, Landon and Taylor Robbins; plus cousins in the Austin area and friends at Spicewood Baptist Church. The family is so thankful for the wonderful care Wallace received from Hill Country Memorial Hospice (Fredericksburg), including Celia, Anne, Monica, Aurelia, Ryan, Serenity, and Chaplain William Carlson. A funeral service was held on October 22, 2013, at Harrell Funeral Home in Austin. Interment followed at the Masonic Cemetery, 7491 Circle S Road, Austin, TX. In lieu of flowers, donations may be made to Spicewood Baptist Church, 7903 County Road 404, Spicewood, TX 78669. Condolences may be sent to [www.harrellfuneralhomes.com](http://www.harrellfuneralhomes.com).



## IN MEMORIAM

**Frederick H. Ruggles, Jr.**, 90, of 1 Granger Lane died September 23, 2013 at Fairview Commons in Great Barrington, MA. He was the husband of the late Anne Emily (Forrest) Ruggles. Fred was born January 8, 1923 in New York City son of the late Frederick H. and Kathryne (Klatt) Ruggles, Sr. He served in the US Army during World War II. He earned his BSCE from NYU in 1948 and earned his MS from Georgia Tech in 1963. Fred began his career with the USGS in Albany, NY in 1948. In the 1950s Fred was responsible for coordination of USGS and the Atomic Energy Commission efforts in the State of New York. As a surface-water specialist, he traveled to several States to help report on floods. Fred's career took him to Fort Worth, TX in 1962 for flood-plain analysis, then to Hartford, CT in 1965, and in 1974 he became the District Chief of the Connecticut District. In 1977 Ruggles transferred to Washington, D.C., and became the first Chief of the National Water-Use Information Program. Fred and Anne were deeply involved with the Girl Scouts of America. Fred was an active member of the North Canaan Congregational Church and served on many boards and committees. Fred also served on the Inland Wetland Commission for the Town of North Canaan, as well as the Housatonic River Commission. Fred is survived by his three children and their spouses: Rick Ruggles and his wife Donna; Linda Ruggles and her husband Michael Motes; and Anne Ruggles and her husband Don Hampton. Fred is also survived by three grandchildren. A Memorial Service was held on October 5, 2013 in the North Canaan Congregational Church, East Canaan, CT. Memorial donations may be sent to either the Girl Scouts of Connecticut, 340 Washington Street, Hartford, CT 06106 ATTN: Martie Kaczmarek or to the North Canaan Congregational Church, PO Box 306, Canaan, CT 06018.

**Mrs. Roberta Hastings Upson**, 95, passed away on August 20, 2011. She was residing in North Sandwich, New Hampshire at the time of her death. Roberta was the widow of Joseph E. "Joe" Upson, II, who retired in 1973 and who died on September 4, 2008 at the age of 97. Joe earned his degrees in geology from Princeton and Harvard and began his career with the USGS in Portland, OR IN 1940. As District Geologist in NY in the 1950s, he began the first interpretive studies of Long Island hydrology. In 1954, it was Upson who transferred Milt Hackett to Boston from Montana to strengthen the ground-water program. In 1971 Joe was appointed Deputy Assistant Chief Hydrologist for Research and Technical Coordination. The Upsons had a son and a daughter.

**Jeannette E. Wagner**, 68, passed away January 5, 2013, at her home in Bismarck, ND. She had battled cancer for several years. Jeannette had served as a Clerk, Editorial Assistant and Administrative Assistant for 37 years in the North Dakota District, retiring in 2002. Jeannette enjoyed time spent in her sewing room and quilted with her grandchildren, showing them how to put love in every stitch. She is survived by her husband Duane; they were married for 48 years. Also surviving are one daughter and son, along with five grandchildren.



**David L. Weiss, 88**, passed away on July 28, 2013. David, formerly of Salem, lived in Eugene at the time of his death. David was born September 5, 1924 in McMinnville, OR to Lawrence and Ethel Weiss. He attended school in North Bend, OR where he met his wife Dorothy (Hulen.) They were married in Wisconsin on February 5, 1944 after David entered the U. S. Army. David was a World War II veteran and saw action in France, Belgium and Germany. He received his BSCE from Oregon State in 1950 and joined the USGS in Portland, OR. In 1960 David transferred to Oklahoma City, OK and reported on the April-June 1957 floods in Oklahoma and western Arkansas. From 1965-1973 David was assistant engineer in charge of the Spokane, WA office, and in 1973-1985 he was the Chief of the Salem, OR office. David was an avid photographer and won several awards at the Oregon State Fair. His interests included geology and Oregon history and he wrote several articles on the subjects during his retirement. David served as a director of the Marion County Historical Society for many years. David is survived by his daughter Pamela Higginbotham (Alan) of Hartline WA, and son John Weiss (Terri) of Eugene, four grandchildren: Adrian Higginbotham of Hartline, WA, Emily Hunt (Ryan) of Twentynine Palms, CA, Jennifer Weiss and Douglas Weiss, both of Seattle, WA. David was preceded in death by his wife Dorothy in 2010, and grandson Andrew Weiss. A memorial service will be held at a later date at Willamette National Cemetery.

**Dorothy B. (Hulen) Weiss**, 84, passed away on May 20, 2010 in Eugene, OR. She was born September 10, 1925 in North Bend, OR. Dorothy graduated from North Bend High School in 1943. She worked as an Auditor with Commercial Bank, retiring in 1987. Dorothy married David L. Weiss on February 5, 1944 at Camp McCoy, Wisconsin. Dorothy was preceded in death by grandson, Andrew Weiss. She was survived by her husband; children, Pamela Higginbotham and husband, Alan, and John Weiss and wife, Terri; and four grandchildren. A Memorial Service was held at Willamette National Cemetery in Portland.

## MEMORIAL

### Herbert Humphreys “Herb” Stevens, Jr. (1927-2013)



Herb Stevens, 86, of Littleton, Colorado, died peacefully on July 24, 2013 after a two-year battle with a *Listeria* infection from eating a tainted cantaloupe. With valiant up and down progress for two years, Herb never fully recovered and he succumbed to the infection. Interment was August 2, 2013, with Military Honors at Fort Logan National Cemetery. During late July 2011, a nationwide *Listeria* outbreak occurred from unsanitary conditions at a cantaloupe farm in southeastern Colorado. The *Listeria* outbreak killed at least 33 people nationwide and sickened another 147. In a small bit of justice for the victims, during September 2013, the owners/operators of the *Listeria*-infected farm were arrested and charged with six federal misdemeanors of introducing adulterated food into

interstate commerce.

Herb was born on June 30, 1927 in Springfield, Ohio. The family soon moved to Evansville, Indiana and two years later to Minneapolis, Minnesota where he graduated from high school in 1946. After graduation, he enlisted in the U.S. Army and served with the Army of Occupation in Japan. Returning to Minnesota, he enrolled at the University of Minnesota where he graduated in 1951 with a degree in engineering.

Herb met his wife-to-be, Elaine, in 1949 and they were married in 1951. To this union, four daughters were born, Beverly Peterson (Scott), Jennifer Exley (Robert), Paula Ellermann (Gary), and Sandra Cotter (Christopher). Eight grandchildren swell the family size to a total of eighteen. Herb and Elaine were looking forward to celebrating their 62nd wedding anniversary which would have been September 8, 2013.

Herb had a 47-year career with the WRD of the U.S. Geological Survey beginning in 1952 at Lincoln, Nebraska and retiring in 1998 at Lakewood, Colorado. His specialty dealt with sediment investigations, both sampling equipment and transport. His official stations along the way between Lincoln and Lakewood include Columbus, Ohio, Minneapolis, Portland, and Bay St. Louis, Mississippi. Many of his project activities involved teaming with Dave Hubbell, especially the study of radionuclide transport in the Columbia River while in Portland and the laboratory calibration of bedload samplers at the St. Anthony Falls Hydraulics Laboratory in Minneapolis while he was headquartered in Lakewood. Also while stationed in Lakewood, Herb provided expertise in sediment sampling during the USGS study of water quality in the Mississippi River. Herb excelled in computer programming, both in the early days of USGS use of computers and until the ‘modern’ era at the time of his retirement. Among his numerous publications are several that deal with computer modeling of sediment transport in rivers.

**--by Bill Emmett and the Herb Stevens Family**

## MEMORIAL

**Larry R. Mayo  
(1938 - 2013)**



Lawrence Ralph Mayo was born in 1938 to loving parents, Margaret Oliver and Ralph M. Mayo. He grew up in Colorado where he was a junior member of the Colorado Mountain Club, drove tour buses and worked for a local farmer. He climbed Shiprock (before it was restricted) and Devil's Tower as well as many Colorado and Wyoming Peaks. After graduating from Columbine High School and Dartmouth College, he came to Alaska, earning a master's degree in geology from the University of Alaska Fairbanks in 1963. He worked for the U.S. Geological Survey starting in 1962, retiring in 1992, but continued as a volunteer for many years. Early in his career, the 1964 earthquake occurred on his birth date. He and Troy Pewe were among the first geologists to arrive on the scene in Anchorage. Subsequently, Larry became field assistant to other U.S.G.S. scientists who arrived to study the quake, including George Plafker who mentored his development as a field scientist. Larry worked on the earthquake for a few years but soon returned to his lifetime interest in, and fascination with, glaciers. He established longterm studies on two glaciers in Alaska - Gulkana and Wolverine glaciers - representing Interior and maritime climate glaciers, respectively. The year-round data collected at Wolverine Glacier shows maritime glaciers grow during warmer years and provides unique base line data for understanding glaciers. Larry traveled internationally to glaciological conferences and had many glaciological colleagues. He investigated glacier dammed lakes and predicted the behavior of Portage Glacier for placement of the visitor center there. In 1986, when Hubbard Glacier surged, he monitored its progress in closing Russell Fiord and was present when that ice dam collapsed, releasing an estimated 1.3 cubic miles of water into Disenchantment Bay. In the 1990s, he initiated and continued a study to monitor glacier response to climate at Denali National Park. Larry loved to fly. His Cessna 180, "22Charley," was used to take aerial photographs of as many glaciers in the state as possible each year. He took friends and family on these spectacular flights. He enjoyed taking friends and relatives on sightseeing tours of the mountains and to remote locations to hike or pick berries. Larry served as president of the Alaska Conservation Society in 1976. Thus began a lifetime of activity in many conservation groups and projects. He helped organize the Alaska Bird Observatory, the Boreal Forest Council and access and programs at Creamer's Field Migratory Waterfowl Refuge. Larry was known for promoting solar power. He installed a home solar system in 1988 and kept a continuous record of input year round from 1990 on. He was always happy to show others his system and demonstrate its effectiveness during a power outage.

After retirement, Larry and Gail explored Southeast Alaska, living on the MV Kittiwake somewhere in the wilds of Southeast. Time also went to making hay on Happy Gap Farm and enjoying family, friends and Fairbanks. Larry passed away Sept. 30, 2013, surrounded by loving family. He was preceded in death by his parents, and only sibling, brother, Rod. He leaves his wife of 52 years, Gail; and three children and their families, Peter and Lynn with Jesse, Laura, and Amy; Eric and Susan Kerndt with Coty, Wyatt, Ema and Else; and Robin Underwood with Hazel and Elvie Rose, plus nieces and nephews in the Lower 48. A celebration of Larry's life was held on Oct. 27, 2013, at the Unitarian Universalist Fellowship in Fairbanks, AK. Those wishing to remember Larry may make a contribution to the Alaska Conservation Foundation, 441 West Fifth Ave, suite 402, Anchorage, AK 99501.

Larry can best be remembered by these words written by granddaughter Hazel Underwood: "Where does a life go when it ends? Does it continue in the minds of those who remember it? I like to think it does. The spirit of my grandfather will live on in the mountains and the glaciers that he loved, in the pages of research he devoted his life to, in the laughter of those connected to him. Just one life, but such a full one it was. Never was a breath wasted. He was driven for a cause all his own, driven by that insatiable craving for knowledge that took him to the top and bottom of the world. If I could live my life with just a fraction of his determination, I would be content. I'm so glad that our lives overlapped, grandpa. I will never forget you."

A celebration of Larry's life will be (was) held at 4 p.m. Oct. 27, 2013, at the Unitarian Universalist Fellowship, 4448 Pikes Landing Road. Those wishing to remember Larry may make a contribution to the Alaska Conservation Foundation, 441 West Fifth Ave, suite 402, Anchorage, AK 99501.

**--Published in Fairbanks Daily News-Miner on Oct. 8, 2013**

## TREASURER'S REPORT, THIRD QUARTER 2013

Treasurer Celso Puentes reports that the organization had \$21,964.99 in the treasury at the end of the third quarter for calendar year 2013. Receipts for the quarter were \$910.56 from dues and contributions from 33 members. Distributions for the quarter were \$2,530.98, including the costs for the 2014 WRD Retirees Reunion and for the printing of the WRD Retirees Newsletter. During the quarter, a total of \$265.00 in contributions above dues was received from 10 members.

### Special thanks for contributions above dues go to:

Ms. James Jones, Kenneth Van Lier, Anthony Spinello, Hector Colon-Ramos, Judy Steiger, Thomas Edwards, Bobby G. Byrd, David Mazzaferro, Gary S. Anderson, Patricia Ladd, Gail L. Keeter, Glen Faulkner, Dale Cotter, Undine Le Grand, Ernest Denison, Solomon Lang, Edward Bolke, Arthur Lietz, L. J. Dantin, James R. Harrill, Niel Plummer, Earl Skinner, Daisie Oden, John P. Monis, Janet J. Welday, Keith R. Prince, Douglas G. Glysson, Russell Harkness, Charles Tibbals, David Webster, Cary T. Chiou, Kenneth L. Wahl, and James R. Mullen.

## DIRECTORY CHANGES

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## NEW AND REINSTATED MEMBERS

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**Editor's Note:** A supplement for this newsletter will not be issued at this time, but will resume with the February 2014 newsletter.