

National Officers:
Richard A. Engberg, President
Stanley P. Sauer, Vice President
Charles W. Boning, Secretary
Celso Puente, Treasurer
Charles Nethaway, Archivist

Regional Directors:
William G. Shope, Northeast
Lynn Barr, Southeast
James F. Blakey, Central
Charles O. Morgan, Western

Newsletter Staff:
Editor: James E. Biesecker
Layout Editor: Dorothy M. Woods
NR: Eileen R. Smith
SR: Vivian Olcott
CR: Merilee Bennett
WR: John Klein

Address:
WRD Retirees
P.O. Box 280
Herndon, VA 20172-0280
Phone (703) 648-5641
Web Page: WRD Retirees.org
Email: wrdretirees@usgs.gov

WRD RETIREES

NEWSLETTER 142
February 2009

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 hard for me to believe that I'm already into my second (and last) year as President of this wonderful organization. Last year was memorable in many respects for WRD Retirees. First of all, I want to recognize again a number of individuals whose service to our organization deserves mention over and over again.

In October, we held our 14th reunion in Tampa, Florida. A total of 142 retirees enjoyed beautiful weather, good food, and outstanding field trips thanks to the efforts of the Tampa Committee, Craig Hutchinson, Lynne and Peggy Barr, Dan Duerr, and Carl Goodwin. Again my heartfelt thanks go out to this group for the large amount of time they spent ensuring that the attendees would have a great time. My thanks also to Sandra Duncan who organized the cruise that nearly 2/3 of the attendees enjoyed immediately after the reunion.

The 2008-2009 WRD Retirees officers and staff are truly a special group and a pleasure to work with. While all deserve kudos, I want to single out three for their outstanding efforts. Bill Boning, our Secretary, is truly the glue that holds the organization together. His long hours of tireless service keeping track all the paperwork that an organization like ours requires, is most appreciated. The other individuals, our newsletter staff, Jim Biesecker and Dotty Woods, have combined their talents to produce a newsletter second to none. I'm most grateful for their hard work.

As I mentioned in my last message, we intend in 2009 to expand our successful Hydrotech Scholarship program from one to two scholarships and to open it to Physical Science Technician students as well. This enormously fulfilling program has already provided scholarships to worthy Community College students each of the last three years.

Our organization is losing members to the grim reaper faster than we are gaining members due to retirements. I would like to challenge each of you to take a more active role in our organization to keep it strong into the future. What can I do, you may ask? If you live in states where the retirees do not meet on a regular basis, talk to your friends and set up regular meetings. They don't have to be luncheons or dinners but they can be breakfasts or coffees. They don't have to be monthly, they can be bimonthly or quarterly. Jim Biesecker recently mailed letters to individuals in Arizona, Nevada, and North Carolina, three states with large numbers of retirees that do not meet regularly, to see if we can get meetings established. Please talk with your retiree friends. It will be most worthwhile!

In closing, I'd be remiss if I didn't remind those of you who haven't paid your 2009 dues – we will be most happy to receive them. Dues are \$10.00 a year and may be sent to the address listed on this page. I'd like to wish each member and friend of WRD Retirees a happy and pleasant New Year.

Dick

NEWS OF RETIREES

Allen Agnew writes, "At age 90, I have outpaced most of my WRD Retirees half a century ago -- retirees like **Cragwall**, **LaMoreaux** and **Callahan**. It's been a good ride. The last 50 years have been nostalgic as I have watched you "boomers" take over. Best wishes for the future."

Andy Anderson says, "There were 55 WRD Retirees/Spouses in attendance at the annual Christmas lunch. We all had a great time. **Tom** and **Marie Buchanan** won a door prize for the retirees with the most grandchildren (20), **Becky Phipps** won a prize for having traveled the farthest to attend, and **George Edelen** won one for being the most senior retiree (97) in attendance. At the January meeting, **Tom Yorke** gave a very interesting talk about his and **Jeannie's** trip last spring to the Black Sea and to Romania, Bulgaria, Croatia, Serbia, and Hungary via the Danube River. Fellow retirees **Jim** and **Joyce Biesecker** were also on the trip. The 35 retirees/spouses in attendance enjoyed Tom's slides and talk. Of particular interest to the WRD audience was Tom's story about the canal that the Communist Dictator of Romania built to allow access of ocean going vessels from the Black Sea to Bucharest. It seems the communist engineers made the canal too shallow for ocean going vessels and also designed curves in the canal that prohibited long ships -- as in ocean going -- from using the canal."

Don Beck writes, "Keep up the good work. The retirees love the Newsletter."

Craig Bentley reports, "I appreciate the Newsletter and all of the hard work the officers do to keep WRD Retirees functioning. **VaDonna** and I are still in the Las Vegas area --Henderson, NV. It's a great place to enjoy life -- the casinos offer great entertainment and good food (but, stay away from the slots and gambling tables unless you have money to give away). Also, places for year-round hiking abound in Spring Mountains, Valley of Fire, and in canyons of the Colorado below Lake Meade. Sorry we missed the reunion, but we will see you at the next one."

Jim Bettendorf reports, "I am spending my retirement days in Athens, GA, where my wife, **Ruth**, works for the University of Georgia. Besides playing tennis 3 or 4 days a week I enjoy spending time with my first grandchild, Allen James, who lives in Atlanta."

Jim Blakey reports, "The Denver Area WRD Retirees Committee (**Merilee Bennett**, **Saundra Duncan**, **Hugh Hudson**, **Bill Kastner**, **Dave Lystrom** and **Jim Blakey**) has selected April 14 for the Denver Retirees Spring Luncheon. If any WRD Retirees are in the area, please join us. Also, the dates for the 2010 WRD Retirees Reunion have been selected as September 9-11. An extended Rocky Mountain field trip to view the geology, hydrology, and biology will follow the meeting. Mark your 2010 calendars for September 9-15 so you can attend the 2010 WRD Retirees reunion. Details will appear in

the August 2009 Newsletter. We hope to see some of you in April and all of you in September 2010. Happy New Year!"

Abe Cameron writes, "**Vanna** and I really enjoyed the Tampa reunion. I encourage all WRD Retirees to attend the 2010 reunion in Denver. See you all there!"

Edith Chase reports, "I really enjoy the Newsletter and I hope you all continue to make it available in the printed version as well as on line. I recognize the cost-savings and other advantages of the online version; however, with my vision problem it is easier for me to read a printed copy. Thanks to everyone involved with the Newsletter for doing a great job."

Gary Cobb says, "Retirement continues to go well. I am living close to all of my children and grandchildren and get to spend lots of time with them. Fun! My sister and I are in the final stages of selling our ranch in Nebraska. We have a potential buyer who is very interested in using the property for hunting."

Bob Cory reports, "I very much appreciate the good work you all do on the Newsletter. This is a celebration year for me. **Jane** and I had a quiet party put on by our 5 children to celebrate 60 years of loving each other very much--lots of good food and a select few of long-time friends. I had fun singing until they took the microphone away. I've been in the Christmas tree business for 28 years and have seen second generations of customers continue the tradition of cutting your own tree. Two of my 12 grandchildren do all of the duties of serving customers and let me collect the money. I've been keeping bees for 43 years and had a single pollination contract with a local produce farmer. This past summer his son returned to take over their farm and he wanted to do the beekeeping. Harvesting up to a ton of honey was taking the fun out of the hobby so I will keep only about a dozen colonies in my back yard. Our 10th great grandchild arrived on the scene about 4 months ago, a boy. My goal is to live long enough to see the oldest great granddaughter get married. She is now 10 and I am 82. I wonder if I'll make it! Warmest regards."

Dale Cotter writes, "We enjoy the Newsletter. Keep up the good work!"

John and **Eleanor Crippen** write, "We are getting along well so far, but we've cut our traveling beyond local areas. We enjoy the monthly meeting of the local WRD Retirees and we are glad to read the news in the Newsletter. I keep myself busy and out of Eleanor's way by volunteering at the local library, where I price and pack travel books and use their computer equipment to prepare fliers as needed, plus shelf labels and "No Cell phone usage in the Library" signs."

Dave Curtiss writes, "All is well in Oregon except we have had crappy weather. We had a great WRD

NEWS OF RETIREES

Retirees gathering for lunch in December with about 20 Oregon retirees/spouses in attendance. Hi to all my retiree friends!"

Jim Daniel writes, "Ruth and I are doing fine. When we were in Atlanta over the holidays, we drove to Warrenton to visit **Malcolm Hale** and his wife, **Sue**. Malcolm is 88 and just finished a round of radiation and chemotherapy for gastric cancer. He has lost about 30 pounds and is weak but still mobile with a walker. All-in-all, he seems to be hanging in there."

Terry Danielson reports, "Nina and I thought very seriously about going to the reunion but a few problems prevented it this year. She was diagnosed with rheumatoid arthritis in about January and we've been doctoring with that quite a bit. Fortunately, things seem to be improving now so that's a load off our minds. In another respect, it probably was a good idea to avoid going because last Saturday night (Nov. 8) at about 11pm, I had a heart attack and had to call 911 to be rushed to the hospital for treatment. They put in 3 stints at about 2am and another 2 the next day. That wouldn't have been too easy on the cruise! I seem to be coming along fine now; guess I just have to accept that I'm getting old like the rest of you geezers. Ha Ha!"

Ed Davidson says, "We are driving to Washington next week and hope to avoid snow. However, we are taking tire chains. Trust all the snow in VA melts quickly so folks don't miss the retiree meetings."

Rudy Dosch says, "Hi to all WRD Retirees. I am enjoying life."

Doug Edwards writes, "After having lost a kidney to cancer in 2004, I discovered on December 17, 2008 that I was in acute renal failure. I have been slowly improving with treatments by hemodialysis since that time. I hope to be back at home by January 19, 2009." **Editor's note:** Good luck Doug. We all wish you a complete, speedy recovery.

Phil Emery was considering a run for U.S. President as the standard bearer for the Semi-Liberal Insipid Conservative Klan (SLICK) party. However, lack of funding made him withdraw. In fact, he only received two donations. The Editor says, "President Obama showed a lot of charisma and intellect during the campaign -- lucky for him the wily and wise WRD Retiree Emery had to withdraw!"

Kathy Fidler writes, "I'm still tapping, clogging, chiming, golfing, etc. I spent 2 months with my daughter. Also, I made a trip to northern Italy, Croatia, and Slovenia in the fall. Enjoyed it all, but it's not the same without being able to share memories with Dick. I heard the Tampa reunion was great. Sorry I couldn't make it but hopefully Cynthia Norman and I will be in Denver in 2010."

Mike Gaydos reports, "There are now about 400 WRD Retirees receiving their copy of the WRD Retirees Newsletter by email. All indications are they are very pleased -- they get their Newsletter at least 3 weeks before those who receive the Newsletter by U.S. mail and the online copy is in living color. Save a tree -- sign up for email delivery of the Newsletter. It's easy, just send me an email at TigerLSU2@cox.net and I will make all the necessary arrangements. Happy New Year to all WRD retirees."

Sharon Goss reports, "The Indiana retirees have started meeting every other month. Our first meeting was successful and a lot of fun. Several active members of the Indiana office attended and we will continue this practice so we can attract future retirees."

Scott Hamel reports, "I'm a new member of WRD Retirees. Thanks to Johnson Yee, retired QW specialist and WRD Retirees District Contact for Hawaii, I received a copy of the Newsletter and have sent in my dues and a contribution to the scholarship fund."

Frank Hidaka says, "I enjoy and appreciate the Newsletter. Thanks."

Jim Hood writes, "Thanks to WRD Retirees for keeping up with all us old geezers."

Hugh Hudson says, "Maurice Albertson, emeritus professor of civil engineering at Colorado State University, co-founder of the Peace Corps and long-time advisor to WRD, who was profiled in a recent issue of the Newsletter, died January 11 in Fort Collins at age 90."

Tony Inderbitzen reports, "Thanks to the entire retirees' staff for all your efforts for the great Newsletter. Your work is greatly appreciated. I look forward to receiving the publication and learning all the news of old friends and associates. **Pat** and I were two of the 100,000 plus tourists stuck in Thailand last week. Due to demonstrations at the airport, scheduled departure flights were discontinued until December 6th. We were fortunate in getting return reservations for December 8th, so we were only delayed 4 days. It actually worked out quite well. We were the guests of the Thai government for those 4 days and got to do additional sightseeing in Bangkok. We stayed in a great hotel and were well fed, all at the Thai government's expense. There was never and threat of danger for us, only the consternation of wondering when we would be able to get a flight home. I highly recommend Thailand if ever you are able to go. It is a beautiful country filled with fascinating places to go and things to see, as well as very friendly and accommodating people. It still retains much of the charm of earlier cultures."

Rick Iwatsubo says, "I appreciate all efforts of the WRD Retirees staff."

NEWS OF RETIREES

Ben Jones writes, “**Mae** and I are dividing time between Washington and Hawaii. Our real estate and family keep us very busy—including a new great-grandson that we baby sit from time-to-time. Sorry we missed the Tampa reunion, but we hope to see everyone in Denver in 2010.”

Bill Kastner reports, “I love the Newsletter. Keep up the good work!”

Scott Keys reports, “**Polly** and I recently moved from our beautiful mountain home to an apartment near my daughter’s home in Arvada. The address is 7805 Allison Way E108, Arvada, CO 80005. I was having problems with my oxygen level living up in the mountains. My new phone number is 303-422-2590.”

John Klein says, “I am pleased to serve as the Newsletter Regional Editor, WR. **Joyce** and I really enjoy the Newsletter and feel we should help in some way to provide this great news. I am honored to replace Loren Young who has so capably served as the Regional Editor for many years. **Phil Emery** called me recently. Phil won’t change...and that is good. I had not talked to him for about a year so we had a great discussion. We would like to stop and see him on our trip east, but time and weather will dictate our path. Phil was one of my very favorite supervisors. He and I had some great experience in Pueblo and the San Luis Valley, and I managed to take advantage of data I collected (on weekends of course) to put together my thesis. We are heading east via a southern route in a few days.”

Scott Knowles writes, “Retirement has proven life is busier than work. I’m continuing in photography, now approaching 40 years, after adding both a digital camera system and a large format (4X5) camera system along with an Apple Mac G5 computer. The photography guide to Mt. Rainier National Park is progressing in its second year with my website (wsrphoto.com) about life after retirement and venturing into a new personal photography and business career. This year I added new projects: researching the early pre and post National Park history of Mt. Rainier (which focuses on the largely overlooked USGS work with an 1896 expedition) and the first USGS topo map in 1915, and the 1890-1900 photographers working around Mt. Rainier. This has resulted in finding some valuable materials in the USGS archives in Denver: original field books, survey notes, maps, reports, unpublished manuscripts, personal letters and a number of archive libraries of original 4X5 negatives, and publications from 1880-1925.”

Bob Knutilla reports, “Sorry we had to miss the Tampa reunion. Hope **Shirlee** and I make the Denver reunion. Regards to all WRD Retirees.”

Nancy Lopez says, “Recently, I had foot surgery, so I am writing you with my foot in a cast and elevated. Hopefully, soon both feet will be back on the ground! This

year I ran for office as a supervisor of the local soil and water conservation District. There is plenty of work to do here. Wishing all of you a blessed holiday season.”

Dick and **Pat Lucky** write, “We had a wonderful time at the reunion in Tampa. The crew there did a fantastic job. The hotel was a delight. It was great to spend time with old friends and meet new ones. We took two side trips to see Mayan ruins; the ruins in Belize were great and the ruins in Costa Maya just blew us away. It was hard to come back to reality.”

Bob MacNish writes, “We had a family get-together the day after Christmas, and one of the things that came up was the excursion to Nogales for dinner with the IMACUAC (WRD’s Information Management and Computer Utilization Advisory Committee) – members: **Don Vaupel**, **Jeff Armbruster**, **Dan Bauer**, **Bob MacNish** and **Jim Biesecker**. Since the trip from Tucson to Nogales, Sonora was an hour each way, we provisioned the RV with enough pitchers of Margaritas to make it each way, and on the way back the Border Patrol had set up a checkpoint. We almost didn’t get through it when someone blurted out something like “Where did we hide Pedro?” We were planning to head to the northwest and settle somewhere near Sequim, on the northeast corner of the Olympic peninsula (in the rain shadow of the Olympics). We still are, but when the economy went south, our plans to go north got put on hold. I still have an appointment as an Adjunct Professor at the University of Arizona, but I haven’t taught for several years (they stopped paying Adjunct Profs for teaching when the State budget got tight a few years ago). When I was still active at the University, I consulted for BLM on a land swap with a copper mining outfit to make sure their assessment of the mines’ hydrologic impacts on the water resources in the area were reasonable. In the process, I designed a monitoring program to ascertain the extent of the effects of the mining operation that would then be used to implement mitigation measures to offset those effects. The land swap went through, and now mining has begun, and the mining company now is contracting with me to make sure the monitoring program is being done right. **Jean** gave me a mug for Christmas that said: “Consulting: If you’re not a part of the solution, there’s good money to be made in prolonging the problem.” She’s a pretty sharp cookie, but then, on the other hand, she did agree to marry me.”

Larry Martens says, “**Rita** and I enjoyed the reunion and cruise. Both the reunion and cruise provided more food and drink than we needed but we both survived. Life in Alabama continues to be enjoyable. Except for frequent tornados and an occasional hurricane, living conditions are pleasant. Rita has given up golf but continues to play bridge at least once a week. I still find the golf course a delightful place to be at least twice a week. There are always a group of fellows at the course so you never know who you will be playing with. I enjoy the fellowship

NEWS OF RETIREES

as much as I do the golf. Since I'm a Yankee, democrat, and a big ten fan, they can't wait to get me to tell them how they need to change their opinionated ways. I usually lose. The golf club is rather small so there is no need for tee times and seldom any waiting time to tee off. Rita and I still make our annual trip to Wisconsin but we may start flying. Rita now tells me that my driving has never been real good and now she says it is approaching terrible. For the past couple of years we were going to Fort Hood, TX, but now we will be going to Fort Huachuca, AZ, as our son is now stationed there and he expects that at least his family will be there for the next few years. We believe that our family has now stopped growing. We have four children and nine grandchildren scattered all over the country but they all manage to see us at least a couple of times a year. Rita and I seem to be doing ok healthwise. We see a lot of doctors and they are taking good care of us. We just celebrated our 57th anniversary and look forward to a happy 2009."

Sharon Mathey reports, "I'm still volunteering at the Loudoun Hospital and working part-time in their gift shop. It's an easy commute – across the street from Leisure World, where I live. Tap dancing with the seniors keeps me busy and active, but chasing my great-grandson around tires me out. My daughter is home from Australia after being there for 5 years. I was fortunate to be able to visit her there 3 times. I enjoy the Newsletter and hope to attend a luncheon and a reunion one of these days."

Hal Mattraw writes, "I am working part-time at Mast Store in Boone and thoroughly enjoy the young college-age colleagues and the interesting customers from all over the globe. **Doris** is working full time at the North Carolina Public Health Department, Children's Developmental Services Agency with birth to three year-old children with special needs. In addition, she continues to teach a junior level course in early childhood assessment techniques at Appalachian State University. The big trip for Doris and me was a visit to Santa Fe, NM, in mid-September. The timing was perfect with balmy weather and fewer tourists. **Frank** and **Janet Mattraw** drove from Anthem, AZ, and we had a special couple of days touring, shopping, museum hopping, and eating a variety of fine cuisine. The trip was so pleasant and educational we may do a repeat in the next few years. Last year's activities included a four-day canoe trip down the Buffalo River in Arkansas in May and a special hunting trip to Mississippi in January. Boone had a late, hard frost in 2007 and we lost all our fruit, but this year we have enjoyed a bumper crop of flowers, blueberries, apples, and pears. I am enjoying gardening and getting better at cooking a wide variety of foods. The Newsletter is a welcome source of friend's adventures. Keep up the good work."

Jerry McCain reports, "My bad leg continues to get better and I continue to regain strength. My Auburn Tigers had a bad year. Otherwise, things in Alabama continue to go well for **MaryAnn** and me."

Richard McCullough says, "I really enjoyed the Tampa reunion and the Caribbean cruise. Special thanks to **Sandra Duncan** for once again organizing a terrific cruise for the WRD Retirees."

John McLean writes, "Since I retired (good grief – 13 years ago!), I have found plenty of activities to occupy me. Most of it has been cave exploration. In 2001, I lead a digging team that broke through into the "Snowy River" passage in Fort Stanton Cave, NM. This passage is now surveyed to 4.1 miles long. It contains what may be the world's longest flowstone formation. Recent heart attacks may prevent my going on the "push trips" needed to get to the limit of exploration, but I plan to continue to provide support to the younger cavers. I'm still keeping my hand in with cave microclimate by participating in a study at Glenwood Springs Caverns here in CO. When I can't be underground, I have been tracing caves from the surface using a home-built earth resistivity system. We have "found" passages by resistivity; and later discovered and surveyed them in the subsurface. Between times, I am the chief elf for Vivienne's art shows -- doing the transporting and set-ups and web page. Oh, I just got my electric 1970 Karman Ghia on the road, just in time for gas prices to drop. Let's hear it for retirement!"

Charlie Merk reports, "I am enjoying my retirement in South Florida, but miss my family, friends, and USGS colleagues. I continue to work for an investment advisor in Palm Beach. No, not Bernard Madoff! Last February, I bought a brand new Toyota Prius, and especially enjoy the Prius' fuel efficiency, the Hands-Free Bluetooth cell phone technology, and the dashboard GPS. In June, I headed North on the Amtrak Auto Train to visit family and friends. I visited **Lari Lopp**, her daughter Charlotte, and **Ernest Dreyer** in Reston and enjoyed hours talking about the "good ole" WATSTORE/NWIS days. That same weekend, I attended Mass at **Bill** and **Helene Mann's** son's brand new Lutheran parish in Ashburn, VA, and met **Bill Pfancuff** and **Verne** and **Donna Schneider** who are all parishioners. Later that day, I had a wonderful roast beef dinner with Bill, Helene and daughter Maria in the Mann's Shenandoah retirement villa. What a beautiful view they have! On the journey home, I stopped in Asheville, NC, and spent several days touring the Biltmore estate. In December, **Gail Kalen** and I attended a performance of Cirque Du Soleil and had dinner at the Forge restaurant in Miami. I'm sorry to have missed the Retirees Reunion in Tampa, but I attended a family celebration in Philadelphia scheduled the same weekend."

Alan Messmore reports, "My wife and I had a wonderful time in Tampa at the reunion. We especially liked the luncheon on Friday. After the noon lunch we took a tour of the USGS facilities in St. Pete and stayed there until about 3:30 PM and started to drive home to Brooker, near Gainesville, FL. We arrived home just in time for the

NEWS OF RETIREES

trick-or-treaters! Lastly, I had a conversation with several people in the hospitality suite, including **Hal Langford**, about printing a biography from those that were already printed in WRD Retirees Newsletters. What I am suggesting is this: take the best 100 biographies of USGS hydrologists and engineers and print them in a book that sells for ten dollars at the next reunion."

Joe Moreland writes, "Thanks for passing on news from all the WRD retirees. I enjoy every copy of the Newsletter and have often felt guilty about not sending a note. The recent issue prompted me to make amends. Since I retired, I have kept busy on numerous civic activities including serving as a volunteer poll worker on dozens of elections (hence my absence at the last retirees reunion), serving on the Orange County Grand Jury for a year, counting heads during the 2000 National Census, and working on various committees and boards as an officer of the Grand Jurors Association Board of Directors. I also have done some report reviews and writing for the Abu Dhabi Ground-Water Research Project. But, most of my time has been devoted to renovating our 100-year old house in Old Towne Orange. I've built fences, scraped dozens of coats of paint off the original woodwork, painted inside and outside, and am now tackling the chore of restoring the old hardwood floors. **Kaycee** keeps busy volunteering her time at her Church elementary school, organizing and directing programs for the Church, and serving on the school board. This has been a busy summer and fall for us. Kaycee and I drove to Seattle and Carson City to visit grandkids in August. I traveled to China in September to visit my daughter and her family (she and her husband are running the International Language School in Xi'an and trying to keep under the radar in their Christian Ministry activities). In October, I drove to Montana to attend the 25th anniversary of the Montana AWRA as one of the founding fathers of the organization. Kaycee finally delivered on a promise made long ago to take her son and daughter to Europe. They toured Venice and the Greek Isles in early November. We are both in good health and have more projects than time. Who ever said retirement is boring?"

Stella Myrick says, "Everyone on your staff is doing an excellent job. Keep up the good work. I'm sure all the WRD Retirees agree with me. The Newsletter really keeps us in touch!"

Carole Nethaway reports, "Results from **Charles'** January 2009 bone biopsy have come back and they have showed that Charles is, once again, responding very well to the multiple-myeloma drug, Velcade. The cancer has been beaten back to a "near complete" or "very good partial response." These are the official terms used based on the numbers at this stage. Very good news. Charles will have two additional cycles of Velcade (6 more weeks) for final comparisons and a bit of extra insurance before stopping chemotherapy. This cessation ought to last for between 3 and 5 years, then

we do it again. We are pretty confident with these numbers and plans. Charles can do pretty much whatever he wants to do now. That means that we have gone back to our church's home group and Sunday services, and that Charles can resume participating in the Northern Virginia NARFE and WRD Retirees' meetings, and, especially, exercising at the Reston YMCA to "get some tone back!" We really want to thank everyone who has been emailing us, sending us good cheer, and praying for us."

Fred Paillet writes, "I was diagnosed with a severe coronary arrhythmia compounded by rather ordinary artery disease almost 2 years ago. Medication and a pacemaker seemed to have worked, so my condition is best described as critical but not serious. Most important, the condition has not impacted my lifestyle. I can still run and lead backpacking trips into the Brooks Range in the summer. In the meantime, **Ann** and I have relocated to Fayetteville, AR, where I have an adjunct appointment at the university. This had the combined effect of taking us farther from winter and closer to the grandkids (five already, and two more expected soon). My involvement with the American Chestnut Foundation has provided diversion in the form of implementing trial chestnut plantations on mine spoil sites in the Appalachians and working with the University of Beijing on a comparative study of chestnut ecology in our respective countries. The latter involved a month-long academic exchange visit looking at forest reserves scattered from the Three Gorges to Xi'an, seeing various historic sites, and tasting all of the local cuisine along the way. My only regret was being unable to photograph the panda crossing signs along the new expressway over the Qinling Mountains. My main mission remains to instill the gospel as related to borehole geophysics in whatever projects I can insert myself into, as long as they don't interfere with our recreational activities."

Ada Rich reports through her daughter-in-law, **Betty Palmer**, "Thank you for all the hard work, especially for producing a wonderful Newsletter."

John Ritter writes, "**Judy** and I just returned from a trans-Atlantic cruise which started in Rome and ended up in Ft. Lauderdale. We enjoyed the Tampa reunion. It's so good to see old friends and we are both looking forward to the 2010 reunion in Denver. I keep busy working out at the health club and helping local friends at the library with book sales – they're held twice a year and raise over \$250,000. The inventory is more than 300,000 books and the sales are held in a warehouse owned by friends. I've also been editing children's books for an author who writes poetry and stories. Last summer we were joined by our two granddaughters for an Elderhostel in northeastern MN. It's an experience I highly recommend. We rock climbed, hiked, canoed, square danced, and learned about lumberjacks, Indians, raptors, and water quality. I didn't think I could keep up with kids as well as I did. It made us feel closer to the girls!"

NEWS OF RETIREES

Joe Rosenshine writes, “**Helene** and I have enjoyed reading the Newsletters. We have found Virginia Beach to be a good place for retirement. The airport is good, medical treatment is very good, the people are friendly, and there is plenty to keep one as busy as one may want to be. Certainly the weather is better than the DC area. With the military aspects of this area, we find ourselves almost automatically aware of international situations. Many of our fellow residents are involved with the U. S. war on terror. Living in a coastal city, we sweat out the hurricane season each year, but we have been fortunate to not have experienced a Category 2 or higher storm. For this area, northeasterners can cause more problems than hurricanes. It is hard to believe that I have been retired for 14 years! I note that many of my associates are no longer with us, and with each edition of the Newsletter, the number remaining grows smaller. Helene’s health and mine are pretty good for our age. I will turn 80 in April and except for being on dialysis, my health continues to be fine. Since retirement, I have become interested in genealogy, have made some real progress and I learned many interesting facts about my family. The Internet is a treasure trove for genealogists. If not for the Internet, I would have never found out what happened to my older brother who was killed in WW II. It turns out that his ship was sunk by a manned Japanese torpedo (Kaiten). He was among the 63 members of the crew that went down with the ship. Unfortunately I have not been able to find out much about Helene’s older brother who was killed during the Battle off the Bulge. His military records were destroyed in 1973 by a major fire at the National Personnel Records Center. Helene knows that he received a Silver Star, two Purple Hearts, and the Combat Infantryman’s badge but nothing about the basis of these awards for his military service. Helene keeps busy with her crafts at which she is very innovative. I still do some gardening. If it was not for my going on dialysis at the beginning of July, we would have attended the Tampa reunion.”

Herb Schumann writes, “I have recently taken over as Editor and Publisher of the NARFWE Chapter 1234 Newsletter and I now have an increased appreciation of the work that goes into putting out the WRD Retirees Newsletter! I continue to do some consulting as a hydrologist, which I enjoy very much. I am still working on land subsidence and resultant fissure issues plus water supply problems in northern AZ.”

Bill Shope writes, “Our youngest son, Edward, got married in October. Other than the wedding and Penn State winning the Big Ten, there hasn’t been too much excitement for us. At our age, this is a good thing! **Jani** and I are continuing to enjoy good health and our grandchildren.”

John Skelton says, “Regards to all fellow retirees.”

Bob Steacy says, “The biggest news I have to report is that I sold my house at 17 Amherst Drive, Camp Hill, PA. My two sons and their wives did a great job of clearing out the accumulations of the 49 years that we lived there. I now reside in an assisted living facility in Houston, TX. The place is very nice and there are about 100 residents here. We have a great time and are like one big family. I want you to know I appreciate all the hard work you fellows and gals do on the Newsletter. Have some fun!”

Dick Snyder writes, “Thanks for all the work the WRD Retiree officers do.”

Gary Tasker reports, “I will be serving as the new District contact for South Carolina. I am honored to replace the recently passed **Rod Cherry**.”

Bert Thomsen says, “I really enjoyed the Tampa reunion.”

Jack and Judy Weeks write, “We nearly made the Tampa reunion but Jack’s 50th high school reunion was at the same time. This has been our year for travel with trips to Hawaii, China, and Australia. We are going to our home in Arizona shortly after the holidays. Hope to see all you WRD Retirees in Denver at the next reunion.”

Kathy Wilke writes, “I just drove from Taos, NM, to Westcliffe, CO, where I am spending part of the winter. My daughter Dianne gave birth to my first grandchild...Marcus Alexander Bohach. He is, of course, so fabulous that his birth is worth shouting about! My daughter and family will return to their Westcliffe home in about a week...I am holding down the fort. I expect to spend considerable time here over the next year. My volunteer jobs and hobbies will surely suffer, but who cares?”

Owen Williams reports, “**Rose** and I continue to enjoy retirement. We now have 4 granddaughters, including 1-year old twins. We get to spend a lot of time with them. Their mother appreciates this because tasks, especially grocery shopping, are difficult with 4 girls, especially the twins – everyone wants to visit with them. I have a continuing conflict with the HQ lunch meetings but try to make a few of them.”

Dotty Woods says, “It has been a pleasure working with my good friend, **Jim Biesecker**, on the WRD Retirees Newsletter over the past few years. However, because of other commitments, I find it difficult to continue to devote time to the newsletter. I look forward to reading future Newsletters—as the contents will now be a surprise to me. Good luck to all fellow Retirees.”

Tom Yorke writes, “**Jeannie** and I are off to Florida to spend a month in the sun. I plan to get in a lot of golfing. We got to spend a lot of time with our daughters and grandchildren over the Holidays and really enjoyed the occasions.”

“Some Perks for Being Over 60!”

By C.T. Welborn

WRD Retirees tend to do some complaining about their physical problems as they age. Certainly all of us are getting older -- thankfully. At the January lunch meeting of headquarters WRD Retirees, a colleague commented that the conversations -- about prostates, colonoscopies, medications, etc -- were certainly different than those during working days! Here is a list of some of the advantages of being over 60.

- 1. Kidnappers are not very interested in you.**
- 2. In a hostage situation you are likely to be released first.**
- 3. No one expects you to run--anywhere.**
- 4. People call at 9 PM and ask, “Did I wake you?”**
- 5. People no longer view you as a hypochondriac.**
- 6. There is nothing left to learn “The hard way.”**
- 7. Things you buy now won't wear out.**
- 8. You can eat supper at 4 PM.**
- 9. You can live without sex for a while, but not your glasses.**
- 10. You get into heated arguments about pension plans.**
- 11. You no longer think of speed limits as a challenge.**
- 12. You no longer pull in your stomach no matter who walks into the room.**
- 13. You sing along with elevator music.**
- 14. Your eyes won't get much worse.**
- 15. Your investment in health insurance is finally beginning to pay off.**
- 16. Your joints are more accurate meteorologists than the national weather service.**
- 17. Your secrets are safe with your friends because they can't remember them either.**
- 18. Your supply of brain cells is finally down to manageable size.**

“News of Retirees” remains one of the most popular sections of the Newsletter. It's great to learn what fellow retirees have been doing -- travel, hobbies, civic activities, volunteering, family, contacts with other WRD retirees and anniversaries are all popular topics. Please take time to send “News” about what is going on in your life to share with other retirees. You can send news items to the Editor, Jim Biesecker at 40782 Woodside Place, Leesburg, VA 20175 or via email at jeb393@verizon.net. You can also send “News” to the WRD Retirees office.

Be an active member of WRD Retirees; send us some “News”!

INTERESTING STORIES ABOUT WRD WORK

The following two stories are some more interesting stories about WRD work – there are hundreds of these out there. We all did interesting, and sometimes very humorous, work. Please send these stories to us so we can share them with your WRD colleagues.

“Surface Water Embarrassment”

By Herb Freiburger

In 1962, I enrolled in the civil engineering curriculum at Drexel Institute of Technology, now Drexel University, in Philadelphia, Pennsylvania, and subsequently graduated in 1967. Drexel was a cooperative education program (co-op) and my two first six-month co-op work assignments were in the Hydrologic Data Section of the New Jersey District in Trenton. The duties of my first six-month tour included learning how to make discharge measurements (side note: my very first measurement ever was an ice measurement), checking surface-water measurements and records and generally assisting hydrologists and hydrologic technicians in various assignments. My second six-month tour consisted of running my own field trip in Southern New Jersey and computing those records.

One of the stream-flow sites was on a very small stream in Southwestern New Jersey named West Branch Cohansey River at Seeley, New Jersey. The stream, at normal flow was about 10 feet wide with a small concrete weir for a control (more on this stream later). At the end of this work assignment, I returned to Drexel for another six months of school. Several months later, I received a telephone call at night at my apartment in Philadelphia from Tom Buchanan, then Assistant District Chief in New Jersey. I could tell he was excited and frothing at the mouth to tell me about something that had happened at the New Jersey District. It turns out that the District was going through a headquarters surface water review that week. One of the team members was one of our legendary surface water gurus, Manuel A “Ben” Benson. Being a co-op student at the time, I had no clue who Ben Benson was until several years later when we both worked in the WRD Miami, Florida subdistrict office. We wound up being office mates along with Jeff Armbruster. I found Ben to be a rather reserved gentleman with a light sense of humor who enjoyed a good joke but usually did not exhibit a loud hearty laugh. Getting back to Tom’s phone call, he said that one afternoon during the surface-water review, outside his office there was the roar of uncontrollable laughter. He went to see what was going on and saw that, oddly enough, Ben Benson was the source of the uproar. He tried to get Ben to tell him what was so funny, but Ben, laughing so hard, could only hand him a discharge measurement note sheet that I had filled out for a measurement I had made at West Branch Cohansey River at Seeley. Under the section that asks for comments on control conditions, I wrote, “scraped control and pulled grass from behind”!

The moral of this true story is two fold, 1) never try to slip a statement like that past a surface water guru because it won’t happen and 2) never put the rear end of your career before the beginning of your career!

“Japanese Soldier Watches WRD Workers on Guam”

By Hugh H. Hudson

WRD's late, esteemed George Ferguson introduced the concept of determining stage-discharge relationships for gaging stations in Hawaii by the use of physical models in the late 1930s. District staff continued modeling stations in Hawaii long after George went on to other challenges and extended the practice to Guam when the District established its program there in about 1950. When I arrived in Hawaii in 1954, no attempt had been made to verify the model ratings at moderate and high stages by direct or indirect methods. I made several stations in Hawaii, none of which verified the model ratings. The problem there, where channel gradients are steep and streamflow velocities at high stages exceed critical, was that of fluid viscosity, and there is no practical way to model viscosity at the greatly reduced, 1:64, scale of the models. In about 1955, I went to Guam and attempted to schedule my arrival before the typhoon season so that I could be there during floods or immediately after when high-water marks were fresh and reliable. In mid-Pacific, however, my plane was diverted to Wake Island to wait out a typhoon over Guam.

My evening on Wake Island was spent walking beaches littered with rusting aircraft engines, twisted propellers and fragments of fuselages, reminders of the assault by Japanese forces immediately after Pearl Harbor. A small contingent of Marines repulsed the initial assault, but a larger force soon returned and overwhelmed the surviving Marines. Wake Island did not return to American hands until WWII ended in 1945. By next morning, the typhoon had left Guam and we resumed our flight.

As our program on Guam was financed largely by the Navy Department, I stayed at its bachelor officer's quarters on Nimitz Hill where movies were shown after dark in an outdoor theater. Accompanied by technician Jose Quintana, a native of Guam who made routine low-flow current-meter measurements and serviced the recorders, I visited the gaging stations and found a useable slope-area reach at a station that had been modeled. Moreover, this station was in low-gradient topography where stream velocities, even at high stage, remained tranquil.

Jose and I surveyed the reach in jungle so dense and visibility so limited that I was unaware of a bend in the channel until I reduced my notes to a map. At one instrument station, I called Jose's attention to fresh coconut husks lying on the ground. They were below high-water marks but free of silt, obviously recently discarded. Jose nonchalantly said, "Opened by Jap. We do it differently." Jose took this in stride but I sensed being watched and felt a tingling in my spine whenever an unusual sound broke the silence of the jungle. In May, 1960, days apart, two Japanese soldiers came out of the jungle and surrendered to authorities, another came out 12 years later, an incredible 27 years after the war ended. One of those who came out in 1960 volunteered that he sometimes hid in the shadows at the rear of the outdoor theater on Nimitz Hill to watch movies. He also described a man he had watched, more than once, fill a bottle with water at a spring the soldier regularly drank from and take the bottle back up the trail. His description fit that of Joe Brookhart, resident hydrogeologist, GWB, 1951 to 1954.

On a technical note, the results of this slope-area also discredited the model rating. In this case, those who constructed the model of the Guam stream had ended it a short distance below the low-water control, thus eliminating the reach of vegetation-choked channel below the gage that controlled the moderate-and-high stage-discharge relationship.

The 2009 USGS Water Program on Guam

By Rick Fontaine

(Retired S.W. Specialist for Pacific Islands Water Science Center)

A quick flash forward in time to Guam 2009 where water related issues are still important. The USGS currently operates a data-collection program on Guam that includes 7 rain gages, 2 crest-stage gages, 1 reservoir gage, 8 stream gages, 1 tide gage, 2 sediment gages, and 8 ground-water gages. Approximately 1/3 of this program is funded by the U.S. Navy and 2/3 by Guam through the University of Guam. Data collection has remained challenging over the years. Personnel who operate Guam data-collection stations are based in Honolulu and must travel about 4,000 miles to reach their area. To put this in perspective if you traveled east from Honolulu, 4,000 miles would take you almost to Chicago. For more information on the current data-collection program and available data go to the home page for the Pacific Islands Water Science Center (hi.water.usgs.gov). Under recent conditions, click on Territory of Guam.

Guam can be divided into two parts, north and south. In the northern part the land surface is made up primarily of limestone. Rainfall infiltrates rapidly here and there are no streams. In the southern part the land surface is made up primarily of volcanic rocks and streams are abundant. Mean annual rainfall on Guam varies between 85 to 115 inches. Guam has two distinctive climatic seasons, a dry season from about January to June and a wet season from about July to December. About 25% of the rainfall falls in the dry season and 75% in the wet season. It is not uncommon for a single tropical storm to drop more rain on Guam than falls during the entire 6-month dry season. For those interested in a more detailed description of Guam's ground-water systems, rainfall, and geology a good resource can be found by going to hi.water.usgs.gov. Click on publications and scroll down to Water Resource Investigation Reports where you will find the report "Hydrologic Resources of Guam" (WRIR 03-4126).

Developing high flow ratings still remains quite challenging. Due to Guam's remote location and small and extremely flashy streams, most high flow determinations and ratings are based on indirect peak flow computations. During the wet season severe tropical storms and typhoons are common occurrences. A recent example was Typhoon Chata'an in July 2002 when rainfall totals of greater than 21 inches and intensities of up to 6.5 in./hr. were recorded. New flood peaks of record occurred at 14 of 15 sites on Guam. Fact Sheet 061-03 "Flooding Associated with Typhoon Chata'an on July 5, 2002, Guam" provides additional information about this extreme event and can be found by going to hi.water.usgs.gov. Click on publications and scroll down to Fact Sheets where you will find the publication.

The availability of water for domestic use is of critical concern on Guam and is the source for most of the project related work that the USGS currently conducts. In northern Guam, ground water is the primary source of drinking water and the USGS is involved with ongoing studies of ground-water resources there. In southern Guam, surface-water bodies such as the Navy's Fena Reservoir are importance water sources. As noted above, Guam has distinctive wet and dry seasons. Drought conditions typically exist during El Nino years. During virtually all dry seasons and especially during droughts, average pumping from Fena Reservoir by the Navy exceeds inflow. As a result usable storage in the reservoir is depleted throughout the dry season. The annual cycle of drawdown in Fena Reservoir is therefore a topic of great concern as total usable storage is limited and represents only about 220 days of capacity at average pumping rates.

The USGS has a long-term program with the Navy which provides them with information they use to manage pumping from Fena Reservoir. As part of the program, the USGS operates a network of 3 stream gages, 2 rain gages, and 1 reservoir gage in the Fena Reservoir watershed. These data have been used to calibrate a rainfall-runoff model for the watershed. The calibrated USGS model is used with 12-month forward looking rainfall projections, provided by NOAA to estimate potential inflows for the upcoming 12 months to the Fena Reservoir. Inflow projections are then input to a calibrated mass balance model to evaluate how varying pumping scenarios will impact water levels and therefore remaining usable storage in Fena Reservoir. These 12-month forward looking projections are updated on a quarterly basis so that Navy managers can make informed water use decisions.

As a side note, Guam is now an extremely popular destination for Japanese tourists. Due to its relatively close proximity to Japan, Guam serves as a cost-effective alternative to vacationing in places like Hawaii.

WRD NEWS

Water Resources Leader Selected as Regional Director, ER

In recent years, the USGS has undergone considerable reorganization. The USGS is now run by Regional Directors who are responsible for all Survey activities in their respective geographic areas. Until now, no WRD personnel have served as a Regional Director. WRD Retirees is pleased to announce that Bill Werkheiser, who spent more than 20 years in WRD, has been selected as the Eastern Region Director. Bill is a good friend of WRD Retirees and has addressed the HQ retirees group recently. He has served in numerous positions in the USGS, most recently serving as the Acting Chief Scientist for Water. Some of his prior assignments have included Acting Associate Director for Geology, Acting Enterprise Publishing Network Manager, Acting Regional Executive for the Northeastern Water Programs, and the Director of the Pennsylvania Water Science Center (previously called the District Chief, PA). He also led the Hazards Initiative Team and the long-term Hurricane Katrina Response and Recovery Team. Bill started his USGS career in 1986 as a hydrologist in the Delaware Water Science Center and has over 25 years of experience with USGS and other agencies working on a variety of environmental and scientific issues. Bill has a BS in Geology from Bloomsburg University and a master's in Geology from the University of Massachusetts.

Note to WRD Retirees: Recent retirees automatically become members of WRD Retirees. If you know any of these folks who recently joined our ranks, reach out and welcome them aboard. Please invite them to your Local Meetings!

Recent Retirements

Northeastern Region

Loretta F. DePaul, Administrative Officer, 5608 Whitesell Road, Louisa, VA 23093, (804) 457-3526, 01/03/09
Steven R. Frum, Hydrologic Technician, 2716 Mohican Drive, Dover, OH 44622, (330) 364-7612, 01/03/09
Bernard N. Sroka, Hydrologic Technician, 345 Paynes Depot Court, Powell, OH 43065, (614) 761-7818, 01/03/09

Southeastern Region

Kenneth E. Burks, Hydrologic Technician, 1725 Wells Road, Clinton, MS 39056, (601) 925-1997, 01/03/09
Edward C. Vaughn, Engineering Technician, 316 Raleigh Drive, Slidell, LA 70460, 12/31/08

Central Region

Diane L. Moffett, Information Specialist, 5121 Johnson Street, Arvada, CO 80002, (303) 422-0986, 01/03/09
Luanne P. Romasko, Administrative Officer, 413 Butler Street, Helena, MT 59601, 01/02/09
Brenda J. Smith, Hydrologist, 26050 County Road 6410, Newburg, MO 65550, 01/03/09
Robert L. Tortorelli, Hydrologist, P.O. Box 95436, Oklahoma City, OK 73143, (405) 672-5509, 01/02/09
Joseph F. Whelan, Geologist, 2050 Applewood Drive, Lakewood, CO 80215, (303) 237-0737, 01/03/09
Robert E. Whitaker, Hydrologic Technician, 13480 PVT Drive 4065, Rolla, MO 65401, (573) 364-4784, 01/02/09

Western Region

Margaret C. Bunch, IT Specialist, 9200 Ogden Trail Drive, Sparks, NV 89441, (775) 425-0612, 01/02/09
Bruce J. Fisher, Geographer, 5062 Alii Court, Milwaukie, OR 97267, 11/28/08
Richard A. Hunrichs, Hydrologist, 2550 Borica Way, Sacramento, CA 95821, 01/02/09
Charles Parrett, Hydrologist, 11164 Squanan River Court, Rancho Cordova, CA 95670, 01/03/09
Kathy D. Peter, Hydrologist, 11208 W. Hickory Bark Drive, Boise, ID 83713, (208) 343-9312, 01/02/09

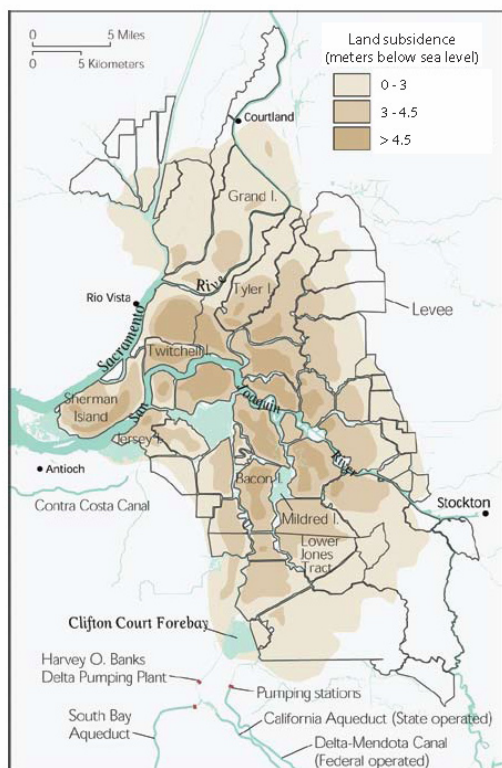
WRD NEWS

“WHAT'S NEW IN RESEARCH”

News of the WRD Research

Pierre Glynn, Branch Chief, BRR/ER, National Research Program

Here is a highlight of recent Water Discipline research on carbon “farming” in the Sacramento-San Joaquin (SSJ) Delta. For more information, you may email me at pglynn@usgs.gov, or email Roger Fujii, the lead contact on the California Carbon Farming project, at rfujii@usgs.gov.



In a recent article, a USGS team from the California Water Science Center (Miller and others, 2008) document their finding that re-establishing wetlands on the Delta peat islands could reverse subsidence of the islands and increase land surface elevations by an average of 4 cm/year. Maximum rates of 7 to 9 cm/year increase in land surface elevation were achieved in a demonstration project on Twitchell island from 1997 to 2006, through careful water depth management that supported emergent marsh vegetation (e.g., tules, cattails), and suppressed organic carbon oxidation. This finding has received strong interest from the State of California and from the Department of the Interior.

The State has been concerned about the stability of levees in the SSJ Delta, given that up to 6 meters of land-surface elevation have been lost in the 150 years since the Delta marshes were leveed and drained, primarily because of oxidation of organic carbon in the peat soils. The SSJ Delta comprises 57 islands and tracts protected from inundation by 1700 km of levees. Loss of the levees could be catastrophic for the region, in part because of the ingress of saline water from San Francisco Bay, which would cause increased salinities at public water supply intakes and significant ecological damage. Over two-thirds of Californians obtain a portion of their drinking water from the SSJ Delta. Large portions of the agricultural areas in the San Joaquin valley and about 0.5 million acres in the Delta itself also depend on SSJ Delta water for irrigation. Additionally,

the State plans to expand and use the USGS carbon sequestration effort to claim carbon credits for its carbon cap and trade accounting plan. The Department of the Interior also sees the tremendous potential for applying the USGS know-how to areas such as the Everglades, which are under threat of submergence due to rising sea levels and peat oxidation from fresh water diversions.

If you are interested in learning more about what carbon sequestration, both geologic and biologic sequestration, Eric Sundquist and others (2009) have recently published a USGS fact sheet that provides an excellent review of carbon cycling, storage and storage potential, and a summary of USGS science efforts on the topic.

References

- Miller, R.L., Fram, M., Fujii, R., and Wheeler, G., 2008, Subsidence reversal in a re-established wetland in the Sacramento-San Joaquin Delta, California, USA: *San Francisco Estuary and Watershed Science*. Vol. 6, Issue 3 (October). <http://repositories.cdlib.org/jmie/sfews/vol6/iss3/art1/>
- Sundquist, E.T., Burruss, R.C., Faulkner, S.P., Gleason, R.A., Harden, J.W., Kharaka, Y.K., Tieszen, L.L., and Waldrop, M.P., 2008, Carbon Sequestration to Mitigate Climate Change: U.S. Geological Survey, Fact Sheet 2008-3097, 4p. <http://pubs.usgs.gov/fs/2008/3097/pdf/CarbonFS.pdf>

MEMORIAL
Joseph T. Callahan
1922 - 2008

Geologists are an assorted group of scientists, and Joseph Thomas Callahan was unique even among them. As you will see in this Memorial, Joe distinguished himself with highly skilled geologic and hydrologic competence technically but with equally endowed abilities in leadership and high-level administration. These talents were brought to bear on water problems both within the USA and in regions of the World far from home base. Joe was a prolific investigator and author, and this brief memoir highlights many of his principal contributions but by no means is it a complete record.



Joe received a B.S. in Geology in 1949 from the University of New Hampshire and an M.S. in Geology in 1951 from the University of Arizona. Joining the Arizona WRD district, he worked for four years making field investigations of the geology and hydrology of Indian Reservations in Arizona, New Mexico, Colorado, and Utah. During that period he evaluated more than 1,000 well sites over an area of more than 30,000 square miles. He recommended drilling 400 wells and was justifiably very proud of better than 99 percent success. Another especially notable feature of the Reservations studies was the use of light aircraft for geologic mapping of remote, inaccessible areas. Joe was a licensed pilot.

Subsequently he served as District Geologist, Ground Water Branch, in Georgia for six years during which he developed a progressive and productive district program of cooperative ground-water studies with the State cooperating agency. He supervised complex studies of salt-water encroachment along the State's coastal areas and guided the study of a nuclear reactor site at Dawsonville, Georgia. Joe then served in Washington headquarters from 1961-65, first briefly as Assistant Chief of the Ground Water Branch and then as Associate Chief. He helped guide the Branch during the difficult transition period of reorganization from a line to staff role. Several brief overseas assignments during this period set the stage for major Asian projects to follow.

During the period 1966-71, Joe served as Technical Advisor to USAID/Korea on ground-water investigative and development methodologies. He led the appraisal studies of ground water of the Han River Basin and trained his Korean counterpart team to continue the studies. He aided the U.S. Air Force in hydrologic investigations in Korea and advised the Korean government on development of ground water.

On return to his Ground Water Branch duties in 1971, Joe first served as Program Coordinator for the nationwide Subsurface Waste Storage Program, and then was designated Chief of the Ground Water Branch. In 1972, he was named Regional Hydrologist of the WRD's Northeastern Region. While administering the Region programs, he nevertheless found time to address technical matters as well, such as directing studies of potential water supplies for the Washington Metropolitan Area. He continued in the Regional Hydrologist's position until retirement in 1977.

Joe was an active participant in many of the leading hydrologic and geologic professional societies and recipient of many distinguished honors in recognition of his exceptional technical, leadership, and administrative qualities. He was author or principal author of more than 20 major technical papers. Joe died August 27, 2008. His first wife, Marian, preceded him in death. His second wife, Diana, survives him.

By Gerald "Gerry" Meyer

WRD Retirees Volunteering in their Communities

By Merilee Bennett and Jim Blakey

Shortly after the Tampa reunion, Merilee Bennett, Regional Editor, CR, with the support and assistance of Jim Blakey, Regional Director, CR, made a suggestion to add a new section to the Newsletter describing volunteer work of WRD Retirees. The following article is the first of these and establishes guidelines for future contributions.

The plan is that prior to each newsletter, the Regional Editors/Directors should contact the State (District) Representatives requesting a short article from a retiree who volunteers in their community. Volunteering can include community programs such as sports, churches, schools, hospitals, hospice, elder assistance programs (i.e., Meals on Wheels), etc. We hope to have enough response to publish several items in each edition of the WRD Retirees Newsletter.

Proposed content of articles:

1. Where do you volunteer? – Name the city, state, and organization.
2. What year did your volunteer effort start and how long have you volunteered?
3. Describe the type of work you do as a volunteer.
4. What is the population served by your efforts?
5. How often do you volunteer?
6. What was the reason you decided to volunteer?

The proposed content is only a suggestion. Please feel free to personalize your experiences.

Below is the first contribution to the series.

VOLUNTEERING BY WRD RETIREES

John and Micki Singer

Moneta, VA

In 1995, I retired from the Western Region as a Supervisory Drill Rig Operator. My wife (Micki) and I subsequently relocated to Moneta, Virginia. Originally, I volunteered with the Lake Volunteer Fire department that is based solely on the lake and uses fire boats to assist with structure and forest fires and occasionally towing broken boats back to the marina. In 1998, I earned my EMT-Basic certification and became involved with the Moneta Rescue Squad. As part of the certification process, I was required to spend time in the local emergency departments watching and learning emergency room procedures; and, after my certification became official, I volunteered once a week in their ER. The rescue squad services a rural community of about 10,000 and encompasses approximately 100 square miles. After my basic certification, I decided to raise the level of certification and began completing a 6-month program as an EMT-Shock Trauma and EMT –Cardiac Technician. Here in Virginia those skills allow me to perform about equal with that of a Paramedic. Micki and I each run about 400 calls a year with the rescue squad, transporting patients to not only our local hospital in Bedford, but to the 'big' hospitals in Roanoke and Lynchburg, and the University of Virginia Hospital in Charlottesville. Because we are in a rural area, we are on call 24 hours a day, 7 days a week. In addition, I also help teach an Advanced Cardiac Life Support class at one of our regional hospitals about six times a year which helps to keep my skill levels up. Both Micki and I feel blessed that we are able to put in this amount of volunteer time into the organization and truly enjoy helping people in a time of need.

IN MEMORIAM

Wayne C. Bridges died November 14, 2008, in Rutherfordton, NC, on his 78th birthday. He received a BSCE from NC State in 1960 and began his WRD career with the SW Branch in Ocala, FL. He had a 31-year career as a SW specialist in the FL district, retiring in 1991. Wayne was known to his colleagues as an outstanding person, who was very dedicated and an excellent example of old-fashioned work ethics.

Elizabeth M. "Betty" Buchanan, widow of WRD Retiree John who died in 2000, passed away on September 29, 2005, at age 80, in Harrisburg, PA. John was a WW II U.S. Army veteran who spent a 22-year career as a Hydrologic Technician in the PA district. Betty is survived by two daughters, Sandra and Patricia.

W.D.E. "Ted" Cardwell, age 90, died on November 8, 2008 in Reston, VA. He was born on March 8, 1918, in Galena, KS. Ted was a U.S. Army Veteran of World War II and an avid golfer and skier. He retired from the USGS as the reports specialist in NR. He wrote two novels and loved dogs and classical music. Ted was preceded in death by his wife, Jean, and is survived by a son, Davis, and 3 grandchildren.

Frances Mary Curtis died at her home in New Philadelphia, OH, on February 2, 2007, at age 97. She was the widow of WRD Retiree Earl Curtis. Earl served USGS in the Boston, NC, and OH offices from 1939 until his retirement in 1969. Frances is survived by a son, Kenneth; a daughter, Clarannce Gilley; a step-daughter Gloria Rosenberry; 3 grandchildren; and 5 step-grandchildren.

Carmen Diaz, widow of Art Diaz, died November 28, 2005. Art passed away in 2003. He was a WW II U.S. Army Air Corps veteran and University of NM graduate who started with WRD in the QW Branch in Albuquerque. Art also served in the Salt Lake City and Lawrence, KS offices. Carmen was living in Lawrence at the time of her passing and is survived by her children and grandchildren.

Lou Ellen Griffin passed away on June 6, 2004, at age 89, in Arlington, AL. She was the widow of WRD Retiree William C. Griffin who died in 1995. William was an engineering graduate of the University of Alabama who served with WRD in Montgomery, Tacoma, and headquarters, retiring in 1977. Lou Ellen is survived by daughters, Nancy Brown and Emily Brodear; son, William; and 2 grandchildren.

Richard F. "Dick" Hadley, age 85, died January 18, 2009, in Denver. Dick retired in 1984 as the head of WRD's Soil and Moisture Conservation Program which had projects in the West largely providing support to BLM. He had special expertise in erosion and geomorphology and, after retiring from USGS, was a faculty member of the University of Denver's Geography Department. He was a 50-Year Fellow of the Geological Society of America. During WWII, Dick was with the 69th Infantry Division in its battles from France and Belgium to the Elbe River near Berlin. Predeceased by his wife, Agnes, he is survived by a son and a daughter, John and Mary, and 2 grandchildren.

Cavis Beecher Ham, age 96, died December 7, 2008 in Bethesda, MD. A Colorado native, he graduated with a BSCE from the University of Colorado in 1935 and began his WRD career with the Denver SW office after working a year with the Denver Board of Water Commissioners. In 1967, Cavis transferred to HQ as a SW specialist, retiring in 1979. He was an active member of the HQ WRD Retirees and a 70-year member of the ASCE. He is survived by wife, Dorothy; sons, Russell and Robert; daughter, Elaine H. Wolfe; and 2 grandchildren.

Milburn Hassler of Chattanooga, TN, passed away on November 10, 2004, at age 97. He began his WRD career as a Hydraulic Engineer in the St. Louis SW office in 1938. Milburn spent 30 years as a SW specialist in the TN district office, retiring in 1968. He was preceded in death by his wife, Dorothy.

Lila Kam passed away on July 20, 2008, at the age of 77. She was the widow of WRD Retiree William Kam who died in 2002. William was a WW II veteran of the 82nd Airborne Division who worked for WRD in the Holbrook and Phoenix GW offices and in the New Jersey District. He retired in 1980. Lila was living in Levittown, PA at the time of her death and is survived by two sons; Craig and Mitchell.

IN MEMORIAM

Stanley D. “Stan” Leach of Brandon, FL, died Nov. 19, 2008, age 83. He received a BSCE from the University of Miami in 1953. He began his WRD career as a Field Assistant in the Miami SW office in 1951 and later was a Hydraulic Engineer. In WW II, Stan served with the Coast Guard. During much of his SW specialist 32-year career in FL, he was Chief of Operations, known for his ability to get to the heart of a problem. He retired in 1983. Stan is survived by wife, June and five children, Daphne, Jayne, Julie, Susan, and William.

James A. “Jim” Malesky, age 90, passed away December 25, 2008. Jim was born and lived in Tacoma and Fife Heights. He served in the U.S. Army during World War II. After the war, Jim owned an ice cream shop in Lakewood. He served WRD as a Hydrologic Technician in Tacoma from 1950 until 1973. After retiring from the USGS, he owned his own survey business, Hydrology N.W., until the late 80's. Jim loved backcountry skiing, fishing, snowmobiling, and raising Appaloosa horses. He traveled to Europe and went on cruises and many camping trips with Elderhostel. Jim was creative, accomplished, tenderhearted, spiritual, and giving. He is survived by "his girls" daughter, Jennifer and granddaughter, Ali Hammond.

Frances Malmberg, the widow of WRD Retiree Glenn Malmberg, died on May 5, 2008 at age 86, in Wheat Ridge, CO. Glenn was a technical advisor for Pakistan from 1965-69, and, at the time of his retirement in 1980, he was on the CR staff in Lakewood. Frances is survived by a son, Tom; 2 daughters, Susan and Lynn; and 2 grandchildren.

Laura Lee Mayo passed away on June 13, 2008, in Columbus, OH. She was 91. Laura was the widow of Ron Mayo who died in 2005. Ron served in WRD for 42 years, with assignments in San Francisco, Juneau, and Columbus, OH. Laura is survived by sons, Ron and Thomas; daughter, Sharon; 11 grandchildren; and 2 great-grandchildren.

Margaret Ellen Olsen passed away on November 11, 2008, in Lakewood, CO. She was a member of the Mount Lookout Chapter of the DAR in Golden. Margaret was a Scientific Illustrator for the WRD for many years. She is survived by a daughter, Leslie Olsen; son, Thomas; 3 grandchildren; and 2 great-grandchildren.

Helen Sheehan died in Lakewood, CO, on July 20, 2008, at age 83. Helen was the widow of WRD Retiree Russ Sheehan who died in 1999. Russ was a WW II veteran who worked in the PA District QW office from 1957-76 and then with the Classical Chemistry section of the Central Lab until his retirement in 1982.

George W. Whetstone, a former USGS Assistant Director, died in Sanford, NC, after a long illness. He earned a BS in Agricultural Chemistry from NC State in 1944 and began his 33-year career as a chemist with the USGS in Charlottesville, VA. He also served WRD in Palmer, AL and Columbus, OH before moving to DC in 1964 where he was an Assistant Chief Hydrologist. He retired from the USGS in 1978. He is survived by his wife of 65 years, Clara (Phelps) Whetstone, whom he met while attending college; daughters, Ann Whetstone and Barbara Carroll; and a grandson. A full Memorial will appear in the May 2009 Newsletter.

Geraldine “Gerry” Wuollet of Eugene, OR, passed away on November 8, 2008, at age 83. She received an Engineering Geology degree from the University of Arizona, one of the first women to earn that honor. Gerry was an engineer for the USGS in Phoenix for 20 years where she helped develop the first GW flow models. In 1968, she was a Seismologist at the Nuclear Test Site in NV and later worked at the USGS Earthquake Prediction Center in Golden. After retirement in 1982, she and her husband retired to Boise and then to Eugene. Survivors include her husband of 42 years, James, and a stepson, Philip.

“A Philosophy to Live By!”

The following is the philosophy of Charles Schultz, the creator of the “Peanuts” comic strip. You don't have to actually answer the questions. Just read straight through and you'll get the point. It is abundantly clear!

The initial quiz!

1. Name the five wealthiest people in the world.
2. Name the last five governors of your state.
3. Name the last five winners of the Miss America title.
4. Name ten people who have won the Nobel or Pulitzer Prize.
5. Name the last half dozen Academy Award winners for best actor and actress.

How did you do?

The point is none of us remember the headliners of yesterday. These are no second rate achievers. They are the best in their fields. But the applause dies. Awards tarnish. Accolades and certificates are buried with their owners.

The final quiz! (See how you do on this one.)

1. List a few teachers who aided your journey through school.
2. Name three friends who have helped you through a difficult time.
3. Name five people who have taught you something worthwhile.
4. Think of a half dozen people who have made you feel appreciated and special.
5. Think of five people you enjoy spending time with.

The lesson:

The people who make a real difference in your life are not the ones with the most credentials, the most money, or the most awards. They are the ones that care.

LOCAL MEETINGS AND GATHERINGS

The WRD Retirees who worked in Grand Rapids, MN, in the 60s and 70s got together in August for a fun meeting. The photo below shows them enjoying each other's company.



L to R-Back: A Minnesota Viking, Wally Larson, Don Erickson, Bill Gothard, Jan Zirbel, Jim Zirbel
Middle: Char Helgesen, John Helgesen, Muffy Lindholm, Jim Johnson, Jessie Erickson, Bernie Gothard
Front: Jerry Lindholm, Deb Larson

A large number of Washington WRD Retirees attended the 2008 Christmas lunch, shown below.



L to R-Kneeling: Norm Dion, Rod Williams, Lorene Higgins, Colleen Molenaar, Marilyn Broom, Marlene Bortleson, Dee Molenaar **Middle row:** Phil Ross, Madeleine Dion, Deanna Walth, Evelyn Johanson, Thelma Laird, Mary Lou Cummins, Gil Bortleson, Patrice Carpenter, Chuck Swift **Back row:** Jan Kresch, Dave Kresch, Annette Williams, Les Laid, Tom Higgins, Arnie Hansen, Jim Ebbert, Phil Carpenter

LOCAL MEETINGS AND GATHERINGS

The Indiana WRD Retirees, led by Sharon Goss, recently initiated a regular meeting of WRD Retirees in Indianapolis. They also invited folks still working at USGS to join them. The photo below shows some of the 21 participants who attended the inaugural meeting of the Indiana WRD Retirees.



L to R: Jerry Davis, Cheryl Silcox (hidden), Jeff Martin, Jackie Ibsen and Debbie Majors

The Wyoming WRD Retirees gathered in Cheyenne on December 6, 2008 for their annual Holiday lunch. There were also two guests from Colorado.



L to R: Kneeling: Sherry Green. **Seated:** Sue Wallace, Janet Cunningham, Liz Adels, Doug Manigold, Pam Schuetz, Helen Crist. **Standing:** Joe Wallace, Judy Wilson, Lynn Cunninham, Marlin Lowry, Joel Schuetz, Rod Larsen, Everett Zimmerman, Jim Blakey, and Marvin Crist.

MEMORIAL
Leonard Alton Wood
1922-2008

Leonard Alton Wood, who retired from WRD in 1980 after a distinguished career of 34 years, passed away November 10, 2008, at age 86. He was born in Michigan in 1922, one of the WW II generation, serving as a fighter pilot in the 8th Air Force; he flew the famed P-51 "Mustang." Early in the war, Leonard married Yvonne M. Bumford. After the war he returned to Michigan and resumed his education, enrolling at Michigan State under the GI bill. While a student, he began part-time work for the Lansing GW office. He graduated in 1946 and began work as a geologist in Lansing. He flourished under the late John Ferris. Water demand was increasing rapidly in post war years and municipalities looked to WRD for data and guidance. Leonard accepted the new challenges with the enthusiasm that had characterized his military years. His skills in data analysis, hydrologic interpretation, and report preparation developed rapidly.



However, this phase of his career ended suddenly. After WW II, Leonard remained active in the USAF Reserve and was recalled to active duty during the Korean War. As one of the earliest pilots to qualify in jet aircraft, he soon found himself serving as a flight commander in the Air Force and remained on duty until October 1952. On his return to the USGS, he was sent to Houston and within 2 years was Geologist-in-Charge. GW development in coastal Texas caused both land subsidence and saline water intrusion, and Leonard responded by authoring several reports dealing with the effects of pumping in the coastal area. In 1958, he transferred to Austin, where he headed a program of reconnaissance studies and used his talents in report review to reduce the backlog of reports. Analog simulation was then being introduced in USGS studies, and he quickly realized its potential in the Gulf. In 1961, he became leader of a project to assemble the information for an analog model of the Houston area and began working on methods of representing the hydraulic effects of subsidence in simulation.

In 1963, Leonard was appointed District Geologist of the CO GW Branch. His skills in report preparation and enthusiasm for simulation were brought to bear again and it was here that his interest in the problems of subsurface waste disposal began -- as he faced the issue of USGS participation in studies of deep well waste injection at Rocky Mountain Arsenal. In 1967, Leonard transferred to WRD HQ as a geologist in the GW Branch. Leonard was instrumental in implementing the new role of the Branch, particularly in developing district reviews and in report review. He was designated leader of the WRD Subsurface Waste Program and developed projects addressing underground waste disposal. Leonard retained this role throughout the balance of his WRD career, while taking on numerous assignments such as the interagency Oil Shale Task Force.

After his retirement from the USGS, he began a 12-year career with S.S. Papadopoulos and Associates and quickly proved that in addition to his skills in data analysis and report preparation, he was still very capable of handling strenuous field duties and of learning new technology and adjusting to the demands of the consulting industry. Personal tragedy touched Leonard's life in 1975, when his wife of 33 years passed away. In time, he remarried and is survived by his second wife of 31 years, Annie Ott Wood, as well as by 3 children, 2 stepchildren, 9 grandchildren and 3 great-grandchildren.

Those who worked with Leonard will remember him as a quiet, unassuming, and thoughtful colleague, always focused on the task at hand and offering invaluable input. But, despite his many contributions to hydrology, he seemed to look back with the greatest fondness on his service as a young fighter pilot in WW II. A painting by a fellow pilot, of Mustangs flying in escort formation, always hung over his desk at Papadopoulos and Associates; and he would smile when reminded of the remark attributed to Hermann Goering, "When I first saw the P-51's over Berlin, I knew the game was up."

By Gordon Bennett

MEMORIAL

William L. (Bill) Broadhurst
1905-2008

William L. (Bill) Broadhurst passed away November 14, 2008, in Austin, TX, at the age of 103, and was the oldest living member of WRD Retirees. Funeral services were held in Moore, OK, with burial in Fairview Cemetery near Tuttle, OK. Bill was born in Clarke County, IL, in 1905. His parents were farmers and were looking for new land and settled in Tuttle, Indian Territory in 1907. Indian Territory became the State of Oklahoma in the fall of 1907. In 1910, the Broadhurst family moved to West Terre Haute, IN. Bill began school in 1911 in West Terre Haute, IN, but in 1912 the family moved back to Tuttle and Bill was placed in a little country school. He graduated from Tuttle High School in May of 1923. Bill graduated from the University of Oklahoma as a geologist in 1928. With the crash of the stock market, Bill lost his job with Wade Phillips Oil Company. He and his new bride, Ruth, tried wheat farming in Hansford County, TX. In 1931, they planted 5600 acres of wheat. They made 10 bushels of wheat per acre and sold it for a dollar a bushel. However in 1933, the "dust bowl" began and for the next 3 years they planted more wheat than they harvested.



Bill married Ruth Daniels in 1931, and they remained married until 1960 and had one daughter. Bill joined the USGS in 1936 and was asked to make a water survey of Hansford County. The job lasted until the fall of 1936. A job opened up in Mule Shoe, TX, to survey water wells in Bailey County and when that was finished he surveyed the water wells in Lamb County. In 1937, Bill was asked to move to Plainview, TX, to become the Chief of the High Plains Water District for the USGS. In 1940, Bill was reassigned to the Longview office in Far East, TX. In 1942, as a Junior Geologist, he was moved to Austin, TX. Bill wanted to join the U.S. Army but was told he was needed more where he was. In 1947, Bill was selected as District Geologist for Texas and remained in that position until 1953. The High Plains Underground Water Conservation District Board came to Austin and recruited Bill to be the Director of their organization with an increase of salary from \$6,000 to \$12,000, a good salary in those days. Bill married his second wife, Mayme Calan, in 1963. In 1964, Bill was asked to come back to the USGS and take the position of District Chief Alabama. He remained District Chief until 1972. Bill told his boss in Washington, DC, that he would like to work in the West before he retired and that he was tired of fighting the Civil War in Alabama. He accepted a position in Albuquerque, NM, to do a water survey on the Rio Grande.

In 1973, Bill had a heart attack and resigned from the USGS. In the meantime, his wife Mayme developed cancer and passed away in 1976. Bill went back to Mule Shoe, TX, to his farm and grew alfalfa for several years. He went back to Tuttle and got reacquainted with a little girl he knew since he started to school in 1912. She had lost her husband and Bill had lost his wife. He married Nina Breese in 1982 on her 70th birthday, Bill was 77. They moved to her home in Moore, OK, spent winters there and used his mobile home in summer at his farm in Mule Shoe. They bought an RV and traveled all over the country. Nina developed cancer and passed away in 1998. He remained in Oklahoma until August 2004, when his grandson talked him into coming to a retirement home in Austin. Bill's daughter, Patsy, preceded him in death. He is survived by his grandchildren, Paul Shooter and wife, Harriet; Vanessa Neil and husband, Warren; Mary Russell and husband Mark; and Kathy Hurta, plus many great-grandchildren and great-great-grandchildren.

By CT Welborn

“The Horton Medal”

By Hugh H. Hudson

The Horton Medal, the American Geophysical Union's (AGU) highest award for outstanding contributions to the geophysical aspects of hydrology, has been awarded 24 times. For 2008, the AGU has awarded its Robert E. Horton Medal to Vijay Gupta, Professor of Civil Engineering at the University of Colorado. The first person to receive the Horton Medal was WRD hydrologist Walter B. Langbein in 1976. Other WRD scientists awarded this honor in subsequent years were Harold H. Thomas, Charles V. Theis, Luna B. Leopold, Mark Meier, John Bredehoeft and M. Gordon "Reds" Wolman. All but Reds were career employees.

Robert E. Horton, the medal's namesake, is considered by many to be the father of modern hydrology. He was an early-day streamgager who analyzed and improved streamflow records, weirs and stage recorders for more efficient operation of the Erie Canal. Horton was named USGS District Engineer for New York State in 1900. His biography published by the American Academy of Engineering states "the ultimate emergence of his seminal ideas (in Erosional Development of Streams and their Drainage Basins, Bulletin of the Geological Society of America, 1945) was the result of two innate abilities: his continual thinking across disciplinary lines and his continual interplay between engineering practice and scientific curiosity."

Directory Changes, February 2009

Amos, Mary J. (97) (Larry). lamos@verizon.net -- email
Anderson, Steven R. (05), 4324 E Samantha Drive, Tucson AZ 85712, 520-344-9119, srahiker@comcast.net -- address, phone, email
Andreani, Veronica "Ronnie" (07) (Frank), franco3215@comcast.net -- add spouse, email
Boner, Fred C. (88) (Lillian), fredcb@netzero.net -- email
Bonham, "Harriet" Mrs. Wilson G. (W), 13550 Heathcote Blvd, Apt 133, Gainesville, VA 20155, 571-261-2894 -- address, phone
Brown, G. Allan (03), Jean (05), allanjean@comcast.net -- email
Cobb, Gary D. (95), GDCobb2@cox.net -- email
Connolly, Carole A. (06), 930 Acacia Dr, Estes Park CO 80517 -- address
Fisher, John T. (07), 6360 Rockpoint Ln, Hoschton, GA 30548 -- address
Frum, Steven R. "Steve" (09) (Millie), pr6100@aol.com -- add spouse, email
Goldstein, Robert M. (02), 4988 NW Bramblewood Ln, Albany, OR 97321 -- address
Goss, Sharon (99) Rick (03), sharon.goss@comcast.net -- correct retirement dates, email
Hamamoto, Shirley (90) (Stanley), P.O. Box 55, Ordway, CO 81063, shirleystan@centurytel.net, 719-267-3212 -- address, email, phone
Hawkinson, Richard (00) (Bonnie), 3977 E Mallard St, Highlands Ranch, CO 80126, 303-470-1086, cell 520-990-1072 -- address, phone
Herrin, Paula (06), pcherrin@hotmail.com -- email
Higgins, Thomas (94) (Lorene), LE_Higgins@comcast.net -- email
Keys, Walter Scott (83) (Polly), 7805 Allison Way, #102, Arvada, CO 80005, 303-422-2590 -- address, phone
Knutilla, Robert L. (89) (Shirlee), bsknutilla@cybermesa.com -- email
Lee, Deborah M. (04) (Frank), zip code 34432 -- add spouse, correct zip code
Leifeste, Donald K. (88) (JoAnn), 103 Oakview Dr, Kerrville, TX 78028, cell 404-502-0340, JoAnn 678-232-9258 -- address, cell phones
Lopez, Nancy C. (99) (Jack), jandnlopez@comcast.net -- email
Lowry, Mary R. (72), 9732 Millstone Ct, Highlands Ranch, CO 80130 -- address
Madril, David C. (03), 124 Rock Hill Dr, Billings, MT 59101, 406-252-4903, dcmadril@msn.com -- address, phone, email

(Continued on page 24)

TREASURER'S REPORT, FOURTH QUARTER 2008

Treasurer Celso Puente reports that the organization had \$15,280.14 in its treasury at the end of the fourth quarter for calendar year 2008. Receipts for the quarter were \$9,247.00 from dues and contributions from 288 members. Disbursements for the quarter were \$807.14, including the printing of WRD Retirees Newsletter 141.

During the quarter a total of \$1,226.00 was received in contributions from 84 members. Special thanks for contributions above dues go to: Frederick Meyer, Mrs. Norman H. Beamer, Leslie Laird, Hal R. Langford, Gordon L. Nelson, Frank T. Hidaka, Jimmy G. Pond, Edith B. Chase, George Edelen, Charles D. Nethaway, Carole Nethaway, Sumner G. Heidel, Charlotte Burch, Mrs. Rex Meyer, John C. Briggs, Raymond R. Smith, Harold Gill, John R. Crippen, Bert Thomsen, Jesse McNellis, Gilbert Bertoldi, Edwin Harris, Howard McCormack, Arthur G. "Pete" Scott, Perry and Vivian Olcott, Douglas R. Posson, Thomas L. Huntzinger, Daniel P. Bauer, Theron R. Dosch, Robert L. Knutilla, Joel O. Kimrey, Margie S. Shapira, Roger White, David Madril, Mary R. Lowry, Chester E. Thomas, Ewell H. Mohler, Craig B. Bentley, Ennio Giusti, Allan and Jean Brown, Colleen Babcock, Kenneth Markham, Linda Britton, Richard R. Luckey, Jerry Smithson, Irwin Kantrowitz, John S. McLean, James R. Slack, Francis Koopman, Scott N. Hamlin, James F. Blakey, Elizabeth Geiser, Bobby G. Byrd, John Ritter, Rick T. Iwatsubo, George Birdwell, Terrance Danielson, Steven Hindall, Veronica Andreani, James M. Bettendorf, James E. Biesecker, Charles Showen, Terry Katzer, Ralph C. Heath, John V. Flager, Mary Jo Baedecker, Bruce Parks, John L. Ebling, Arnold J. Boettcher, Charles A. Appel, Donald A. Goolsby, Richard Grover, Sulo Wiitala, Jack C. Doyle, Charles Gamble, Paul Kapinos, Mary J. Dunn, Gary L. Gallino, Terry and Judy Thomson, Edward S. Davidson, George Whetstone, June E. Cox, Wallace G. DeGiacomo, and Norman "Skip" Schmidt.

Directory Changes, February 2009

(continued from page 23)

Miller, Kathleen A. "Kathy" (99) (Joe), cedarkathy@iowatelecom.net -- email
Moleski, Paul (99) (Kay), 101 Bellamy Trail, Sebastian, FL 32958, 772-918-8648 -- address, phone
Oberst, Craig (08) (Debby), ceoberst@comcast.net -- add spouse, email
Osterkamp, Waite R. (08) (Linda), oster2@mindspring.com -- email, add spouse
Paillet, Fred (02) (Ann), 4736 W Plymouth Rock Pl, Fayetteville, AR 72704, 479-935-4297, fredp@cox.net -- address, phone, email
Parker, Garald G. "Gerry" (92), 15228 N Boswell Blvd, Sun City, AZ 85351 -- address
Peirce, L. B. (68) 918 Dolphin Harbour Dr, Panama City Beach, FL 32407 -- address
Persinger, Howard H. (03), 1053 Liberty Park Drive, Braselton, GA 30517, hhpersinger@windstream.net -- address, email
Rhodehamel, Edward C. (80), P.O. Box 1184, Newington VA 22122, 703-273-1150 -- address, phone
Richardson, Donald (73) (Jessie), donjessier@comcast.net -- email
Romasko, Luanne P. (09) (Harry), 406-443-5915, romasko4@bresnan.net -- add spouse, email, phone
Rutledge, Albert T. (06) (Anne), rutledgebeaufort@gmail.com -- email
Rutledge, Albet T. (06) (Anne) RutledgeBeaufort@gmail.com -- email
Sherrill, Marvin G. (96) (Rosann), mrsherrill@charter.net -- email
Smith, Barry S. (06) (Mary), zip code 23236 -- zip code correction
Smith, Charles J. (08) (Mary Ellen) -- add spouse
Sroka, Bernard N. (09) (Pamela), bsroka@columbus.rr.com -- add spouse, email
Stockhill, Margaret (07), stockhill@STI.net -- email
Walker, Dorothy M. (95), 16 Ashfield Ct, York Y0241QS UK -- address
Whetstone, Mrs. George "Clara" (W) P.O. Box 4795, Sanford NC 27331 -- address