

# CH2MHILL® ALUMNI NEWSLETTER

July 2022

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## Publisher's Note

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Greetings everyone,

I hope everyone is doing well and are having an enjoyable summer. Omicron variants are not helping, but with most folks vaccinated, many “boosted,” even if you’re unfortunate to get the “breakthrough” (like me), it’s generally less of an impact. The outlook for the rest of the year is encouraging.

Our CHAA continues to evolve amazingly well and accomplished three major goals this last year and has far exceeded where we thought we’d be by now: the Atlanta Reunion is taking place in about 2 months, the program to recover CH2M artifacts is going national, and the OSU/CHAA CH2M HILL Alumni Center will soon have its kiosk with its computer display directly to our website. Please take the time to read Rick (our “Prez”) Luebbers’ column (page 12) for an insight about the depth and extent of how we are serving our members and all alumni. Our biggest challenge coming up is addressing our “Help Wanted” needs to fill important positions (page 17).

Please continue to share your updates, stories, hobbies and leads for other alumni to contact for their news. Remember that no story is too big or small for our newsletter (that’s why we have the “Tidbits” section). Same for feedback, suggestions, kudos and concerns (if any).

Our goal is to celebrate everyone’s career and life as a member of the CH2M family. Thanks also to those of you who let us know of the loss of any dear friends, colleagues, and spouses. It’s a sad but important part of our newsletter. We couldn’t do this without your help!

Again, a special thanks to our entire CHAA team: especially our superb newsletter production duo: Angie and Sarah; Don, our wonderful CHAA treasurer and member helper for resolving any issues; and Dan, our webmaster extraordinaire who keeps us open for business and visible to all!

Best wishes to for continued good health and safe travels in 2022!

Gordon

P.S. – sorry for a bit delayed newsletter. Our wonderful volunteer team and contributors had vacations come up, client work, family obligations; all of them good. Thanks for your understanding and enjoy the rest of your summer!

*Gordon*

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## BREAKING NEWS!

(Click page # to go to topic.)

President’s Message.....	12
Reunion Update .....	14
Local Groups.....	16
Help Wanted .....	17
CHAA Artifact Recovery.....	19

## Retirees/Alumni News

### THE PAKISTANI RUG THAT GUIDED THE START OF CH2M INTERNATIONAL DEVELOPMENT

By Bob Chapman, Les and Myrna Wierson, and Gordon Koblitz



As he recently explained to Les, Bob has been active of late regarding CH2M HILL Alumni history, especially in Corvallis. Eva Bushnell is the facility manager of our Jacobs office there, and she has been extremely helpful. Recently, she surprised us with the news that 58 boxes and the infamous Pakistani rug are being shipped to her from Denver.

Les teased us with some factoids about Holly Cornell, a grain distribution facility in Pakistan, Gus Pantazi, the client only being able to pay us in local currency, but the government not allowing the currency out of the country, Les buying the rug, a Syrian rug merchant, etc., as all being part of the story. Well, we all want to hear “the rest of the story”. Here’s Les’s inside story about how it all started:

In the mid-1960s, CH2M had four regional offices – Corvallis, Boise, Seattle, and Portland – with regional and discipline responsibilities. Off-shore developments were underway in Trinidad and Argentina. At that time if you found a client willing to pay, with board approval, you could accept work assignments overseas. Holly Cornell, manager of the Seattle office, had a Pakistani trainee engineer who helped obtain a contract to do a national grain distribution plan.

CH2M successfully completed the assignment, and we were paid in local currency. We then found that we could not take the local fee out of the country. The local money remained in Pakistan for several years until the Board created CH2M HILL International in 1974. The new division inherited the accounts payable legacy. Gus Pantazi, our international financial manager, arranged for the Atiyeh Bros. Rug Company in Portland, who had an agent in Pakistan, to purchase over 30 rugs and other saleable items to be shipped to their Portland office and sold by them for CH2M’s benefit.

We kept one of the rugs for the international operations manager’s office (first Les Wierson and then Otto Vydra) as a reminder of how a fee is paid and converted to US dollars. It worked well and was a guiding principle to the early CH2M international office.

Now for the Paul Harvey’s “Rest of the Story” by Gordon:

As many readers may have heard, Jacobs is consolidating their office spaces in all their locations. CHAA received notice of several locations (Corvallis, Denver, Portland) that had many CH2M artifacts that we wanted to recover.

The Denver staff had the rug Les mentioned, which had been framed, under a plexiglass cover and had been displayed on the wall of the inside courtyard of the main building. CHAA committed to pay for a local rug appraisal before deciding to ship to Corvallis for locating at the Benton County Historical Society Museum or OSU CH2M HILL Alumni Center. Unfortunately, neither location panned out, so Plan B involved checking with the local appraiser to see if they were interested with purchasing the rug...they responded “sorry not interested”.

Now reality had set in for us. Many of us hadn’t seen the rug displayed in Denver (local staff mentioned it was beautiful), nor know the rug’s size or value. Visions of its use in the board room or worth \$10,000+ quickly disappeared. Only after the appraisal came in did we find out it was 4 feet by 6 feet, with a value of \$1,100. Mark Alpert was our main representative at the office when the appraiser came and when all the artifacts were assembled for viewing. Photos were taken for sharing with the artifact team members, so decisions could be made. So, now we know the “Rest of the Story” and history of the rug, how our CH2M International Development started. The good news is that an alumni member recently made a generous offer to purchase the rug and donate to the CHAA, which was accepted.

## BERKELEY VISION 2050

By Ray Yep ([rayyep1@gmail.com](mailto:rayyep1@gmail.com))

Hey friends, *Berkeleyside* (our local digital newsfeed) ran an article in January and I would like to share it with you. Here is a [link](#) to the article. I have been working on this for the past 2 years as a volunteer staff to the public works director. In infrastructure, too often more is said than done. Berkeley is trying to address \$1+ billion of needed infrastructure improvements and we are planning for ballot measures this November. We are currently evaluating funding options, getting public input and preparing a program plan.



This all started when our mayor announced his Vision 2050 initiative to address our aging infrastructure. A 40-person citizens' task force was formed and I chaired it. The report that we prepared can be found [here](#); it was approved by our City Council. This goes to show that what we learned in our working career can carry over into retirement. It has been fun working on Vision 2050 and it has been very beneficial to the City.

## LATEST RETIREMENT ADVENTURE

By Ron Cilensek ([rhc14903@charter.net](mailto:rhc14903@charter.net))

I joined CH2M in 1980 for what would be a 26-year career rising from cost estimator and claims negotiator to program construction manager. I worked on some major projects, including the Milwaukee Water Pollution Abatement Program, Potomac River Pipeline Supply Project, Los Angeles Clean Water Program, and the Florida Keys Aqueduct Authority Key Largo Pump Station. I left in 2006 for a 2-year assignment with Carollo Engineers but moved back to Jacobs for 11 years.

Since retiring, I've been enjoying senior softball, golf, tennis, kayaking, hiking, and travel. Kay and I just got back from a 14-day European River Cruise starting in Amsterdam then down the Rhine and stopping at Cologne, Koblenz, Frankfurt/ Heidelberg, Wertheim, Wurzburg, Rothenburg, and Bamberg. Then we went through the Rhine-Main-Danube Canal to Nuremberg and Regensburg (oldest stone bridge in Germany) and on to the Danube with stops in Passau, Melk, and finish in Vienna. Needless to say, we got our fill of castles and palaces, and were amazed at the quantity of grapevines in the lower Rhine valley that just seemed to go on forever and the resultant white wines for which Germany is known. And don't forget the beer that every town brews with its own a unique blend.



*Stone bridge in Regensburg, Germany.*



*Ron and Kay in Vienna.*



## SPACEX LAUNCH

By Al Aikens ([alaikens3@gmail.com](mailto:alaikens3@gmail.com))



On Saturday, June 18, we went over to Cocoa Beach to watch another SpaceX launch. This was uncrewed with commercial and secret satellite payloads. While the payload may be secret, you just can't hide the fact that a rocket is being launched.

It was a beautiful night to sit on the beach and watch a launch (75°F, an easy ocean breeze, and lighting flashes in the distance). There were actually quite a few people on the beach for 12:30 at night and kids running around with flashlights hunting and catching crabs. It was comforting to know that the lifeguard station was manned. The session resulted in one shot because there are no re-dos. This was a single 4-minute exposure that I ended when the clouds and distance faded the intensity of the rocket trail. If you are interested to see some more of my photography, click [here](#).

2022 has a busy launch schedule for KSC and I hope to get out and see more, especially night and predawn launches.

I've been busy with trips this spring to the Great Smoky Mountains National Park and Ketchum, Idaho. There will be slideshows to come from those trips, as well as more shows from Yellowstone, Grand Tetons, Olympic, Mt. Rainier, and Arches National Parks. I have a lot of backlog to work through!

## A SUMMER JOB

By Joe Feyder ([feyder@msn.com](mailto:feyder@msn.com))

If there's one thing I learned at CH2M, it's to be thorough on everything you do, so here's an autobiography/update. After graduating high school in 1979, I took a summer job with a friend's dad doing cadastral surveys in Trinity County, California. My plan was to go to junior college in the fall and give football a go. I used hauling survey gear and boundary marking posts, all over Southfork Mountain and Mumbo Basin, as my summer training and conditioning grounds. To make a long story short, I'm still working that summer job!

My algebra, trig and geometry grades carried me through high school. Working with numbers was perfect for what I found in land surveying. I quickly fell in love with the profession, gaining my LSIT at the minimum 2 years of experience. After 5 years of working in the mountains, I was ready for a change. With resume in hand, I was driving down Court Street (Redding), on my way to Pace Engineering, when I spotted the CH2M office. Making a quick stop, I was simply going to leave a resume with the receptionist (Gretta Seward). Seeing my background was land surveying, she asked me if I had a moment. Minutes later I was interviewing with the very imposing Harry Wilburn; days later I was on a Piper Aztek bound for a field office to process field data on a large wastewater collection project in the Santa Cruz mountains. I did not make it to Pace Engineering that day.

For the first several months at CH2M, I would only pop into Redding on weekends. One Saturday morning I had the pleasure of meeting Claire Hill. We shook hands, I told him my name, and that was that. After that, I did not cross paths with Mr. Hill for probably 2 or 3 years. But when I did, my mind was blown...he remembered my name! Of all the people this man had met, to remember my name, after one brief meeting years prior, floored me!

After Redding (1984 – 1986), I made several moves, always looking to advance myself. I spent some very quality time in Sacramento (1986 – 1993), becoming licensed and working for the great Gary Dobson. With the passing of Delmer Kidwell, there was a survey manager roll available in Boise (1993 – 1995), but I would first have to become licensed in Idaho. In an epic battle of me versus the Idaho Board of Licensure, I finally convinced them, after three formal hearings and appeals, to allow me to take the exam. Their denials were based on my lack of post-high school education. I was relentless in proving to them that I "possessed knowledge and skill similar to that attained from an approved college curriculum." The Idaho Board has since changed Section 54-1212(2)(b); I would not have the same luck today.

New Year's Day 1995, we made the drive from Boise to Portland (1996 – 2001), to assume survey management of the two large Pacific Gas Transmission Company pipeline projects in Oregon. In addition to these projects, I worked on numerous very satisfying transportation project with some amazing people! With two young kids on the roster, my wife and I wanted to get closer to family, so we made the move back to Sacramento (2001 – 2006). This last stint with CH2M included airfield obstruction surveys at Spangdahlem and Ramstein Air Bases.



*Christmas in Bend, Oregon.*

In 2006, I opted to see if the grass was greener.

After 22 years, I went to what I considered a “mini-CH2M”, in David Evans and Associates (DEA). I spent 3 years with DEA in Northern California, then was offered a career changing roll building the Mobile LiDAR technology group at R.E.Y. Engineers, Inc., in Folsom, California. For the last 12 years, I've been managing surveying projects for public works projects, including the current Sites Reservoir project for Jacobs.

For years Tracy (my wife of 30+ years) and I have wanted to return to Boise. Our son Tucker and our daughter Tamsen both graduated from Boise State University, so we had the opportunity to spend a good amount of time in Boise between 2012 and 2019. In June 2020, we sold our home in Loomis, California, and bought an extremely rare vacant residential lot on the Central Rim of Boise. We finally moved back to Boise in July 2021, broke ground on our next home last September and should be moving in this coming August. I'm still with R.E.Y. Engineers, working remote, with the plan to start winding down in a few years. After 43 years, I'm still loving my summer job!

### **PROSTATE CANCER – THE GOOD, BAD, AND UGLY!**

*By Edward Sloan ([esloan50@outlook.com](mailto:esloan50@outlook.com))*



*Ed and Dr. Rossi.*

Life is full of interesting side trips and as we get older, some replacement parts and fixes are in order. We learn things that we never really thought we needed to know, and there are always a few surprises that life challenges us with. This article is written primarily for the all the male population of the CH2M family, but good reading for ladies also, as you will find some surprising female aspects of prostate cancer; please help make sure your husbands are having their PSA tests and know their numbers!

For those whom I have worked with over the last 40 years, you will know me as a construction and project manager (Portland, Boise, Corvallis, Denver, Canada, Singapore, Korea, and Qatar, among others), so not a doctor, but this is my story and information based on my cancer journey.

A little background: prostate cancer is the second leading cause of death in men in the U.S. and the world, with over 200,000 cases diagnosed and over 30,000 yearly deaths in the U.S. This is a disease that can be effectively treated, if caught early by a simple PSA blood test.

For about the last 10 years, my PSA level had been slowly rising. In July 2021, my PSA level was a little higher at 4.71, and in October it had risen to 6.15. That level is still not very high, but the rate of increase over 3 months was a warning sign. So, the start of the BAD part – my urologist recommended that I get a biopsy (12 little pencil lead sized tubes of tissues extracted from my 1.25" diameter prostate). Not a FUN procedure, but mine went as well as could be expected. The report came back and showed that three of the tubes had struck cancer in the probes. Two tubes of medium grade cancer, Gleason 7 score, and one of high grade, Gleason 8 score. This is the scoring system they use based on how UGLY the cancer cells look under a microscope.

Wow...now the fun starts, what is prostate cancer? I have no clue as I did not have that class at Oregon State Engineering! The doctor gave me a book to read, *Prostate Cancer, 100 Questions and Answers*. He said read the book and decide what I wanted to do and call back to schedule surgery (no other options recommended). I read the book from cover to cover, had appointments with two radiation oncologists to discuss radiation treatment alternatives to surgery. Had a CT scan (worthless) and a bone scan to see if it had metastasized or spread outside my Prostate. Fortunately, it had not!

Next, I found a book, *Invasion of the Prostate Snatchers*, which talked about alternative prostate treatments and how to educate yourself, be your own advocate and pick the best treatment for your diagnosis. I found that there are about 10 major different kinds of treatment for prostate cancer, all generally have good treatment outcomes, but the side effects vary greatly. I then decided that the proton radiation therapy had good treatment outcomes and the smallest amount of side effects. I went for a consultation with Dr. Rossi at California Protons, near San Diego, California. We decided that that was the best treatment available, so I they scheduled me for a 3T MRI, which showed two 3/8-inch tumors in my prostate. They then scheduled me for my 28 daily proton radiation therapy treatments. For the treatment you lay on a bed inside an 18-foot-diameter cylinder and the CT image guided, pencil beam radiation head (IGRT), attached to the cylinder rotates around you, completing three short radiation busts.

I have completed my treatments, had some good days on the beach in San Diego during our stay and the only side effects I have had are some temporary painful urination issues, which they fixed with some medicine called Flomax (great stuff). I will not know the final results until my PSA levels are checked at 3- and 6-month intervals over the next couple of years. But I am convinced that I chose the best treatment option.

My advice, if you are over 50, please check your PSA levels at every blood test, at least yearly and track the results. Know your options if you develop prostate cancer, and be you own educated advocate! I could share a lot more, but please read Bob's book, and feel free to contact me if you have questions.

To read Ed's full article, click [here](#).

### CELEBRATING RETIREMENT

By Larry Powell ([ljpowell53@gmail.com](mailto:ljpowell53@gmail.com)) and Gordon Koblitz ([gkoblitz1@outlook.com](mailto:gkoblitz1@outlook.com))

We all knew it was coming; it was just a matter of time. On Friday, June 17, Larry's email retirement announcement arrived in my (Gordon's) inbox.



*Sitting: Cindy Kehoe, Sandy Powell, Larry Powell, Nathan Dryden. First Row: Kristen Jackson, Gordon Koblitz, Michelle Green, John Peterson, Brittany Hughes, Gerry Ochs, Mark Johnson, Kristina Rapoza, Bob Fuller. Second Row: Mark Anderson, Dave Green, Jason Krumsick, Quitterie Cotten, Dawn Phelps, Dave Mustonen, Jeff Kanyuch, Flint Garinger, Mary Koblitz, Meredith Chapman. Third Row: Tim Scott, Bob Chapman, Brad Phelps, Travis Laney.*



Later I was very happy to hear about his July 9th celebration and join in the festivities. Larry started in Portland on June 11, 1973, and had an amazing career, serving clients, mentoring colleagues, solving challenging onsite issues and keeping clients, project managers and contractors alike feeling the right thing was done.

As he shared in his June 17 announcement: "I've been fortunate to work and grow alongside so many smart, funny, creative and caring people over the past 49 years. Working for CH2M HILL (now Jacobs) has been incredible. But it still comes down to the people we work with.

"The people I have met and worked with (co-workers, clients, contractors, etc.) over the years have been an amazing journey. One I will not forget. We have worked hard on so many projects along the way, many close and some far away. I have great respect for all of you and thank you for all that you taught me and, hopefully I taught you something too." Click [here](#) to read more about Larry's career highlights and the notes of congratulations from many of his colleagues.

His retirement celebration was held July 9 at the Portland Jacobs office, thanks to help from Quitterie Cotten, Kristina Rapoza and Jeff Kanyuch in organizing the event. Guests came from all over Oregon to celebrate and join friends of many years (and make new ones). Bob Chapman even brought in some of the PDX CH2M artifacts recently recovered for the enjoyment of all.

Following the luncheon, more fun started when Mark Anderson, as the MC, got folks sharing the funny and heart-felt stories of working with Larry over the years. Larry had his to turn to "set the record straight" and the laughter continued. Luckily we corralled everyone for the memorable group photo before it was getting late. Many folks continued on to enjoy sharing their time there. It was one of the most enjoyable retirement events I've ever been a part.

Larry and Sandy's retirement plans include catching up on some long overdue home projects, doing some hiking (using the new Garmin GPS smart watch from Jacobs), doing some traveling, fishing, and relaxing and enjoying life.

Larry's contact info is: [ljpowell53@gmail.com](mailto:ljpowell53@gmail.com); Mobile: 503.329.3935



*Kristina Jackson, Brittany Hughes, Sandy and Larry Powell, Brad and Dawn Phelps.*



*Dave Mustonen, Bob Fuller, Bob Chapman, Flint Garinger, Gerry Ochs, Stu Davis.*



*At table: Kristina Jackson, Brad Phelps, Brittany Hughes, and Cindy Kehoe. Behind: Mark Anderson.*



*Table: Mary Koblitz, Bob and Meredith Chapman. Bench: Gordon Merseth, Stu Davis, Flint Garinger, Dave Mustonen, Bob Fuller.*

## AN UPDATE ON MUD MOUNTAIN DAM

By Art Storbo ([astorbo@nwlinc.com](mailto:astorbo@nwlinc.com))

*Editor's Note: In the January 2022 newsletter, Art provided a story regarding his work to digitize old construction photos for Mud Mountain Dam. He recently provided an update on this story. (A more complete story of Art's work and a description of the construction of the dam, including some amazing photos, can be found [here](#) on the CHAA website.)*

Check out the volunteer from Washington State in the attached photo. Recently I was at the Issaquah Home Depot, where I had stopped to pick up some garden items and a replacement post for a small photo album. I had been to two other stores, neither of which had such posts. I couldn't find a similar post in the Home Depot either, but then along came one of the staff who was very helpful. He quickly found a post and mentioned that only last week some other fellow had been in the store looking for an identical unit, and that was the first time he learned that Home Depot even had such things. So he asked what I was going to do with the post.

I told him I was a volunteer for the US Army Corps of Engineers, reassembling a photo album, and that I was digitizing photos from original construction of Mud Mountain in 1937 – 1948. (His name was Jeff Ames, so I learned during the conversation).

Jeff: Well, I worked at the dam too.

Art: Really? When?

Jeff: 1998. I think it was 1998.

Art: What did you do? I've heard the tunnel(s) were relined about that time, either with granite or steel.

Jeff: I was an ironworker. I worked for Guy F. Atkinson. We were relining the tunnel with steel.

Art: Wow, what a coincidence. How thick was the steel?

Jeff: I can't remember whether it was 1" or 1-1/2". Once we had a section installed, the joint was welded up, and then we installed the next section. That was a tough, dangerous job, and I'm too old for that work anymore.

Jeff agreed to send me a couple of his photos; he said he had only a few, but thought he had one of steel on a delivery truck, and maybe one in the tunnel. He told me a couple other tales – one how the carpenter crew snatched his steel crew's lunch as it was being lowered down the intake shaft on a crane lift of materials. What a fun encounter! With a little conversation, you can meet some of the most interesting people.

**National Volunteer Week**  
April 17 - 23, 2022

**Celebrate Service** National Volunteer Week is an opportunity to recognize the impact of volunteer service and the power of volunteers to tackle society's greatest challenges, to build stronger communities and be a force that transforms the world. This week, we **shine a light** on the people and causes that inspire us to serve, recognizing and thanking volunteers who lend their time, talent, and voice to make a difference in their communities.

**USACE Volunteer Efforts**

- 1,559,839 TOTAL VOLUNTEER HOURS SERVED (Equivalent to 750 FTEs)
- \$44.5 M TOTAL VALUE OF VOLUNTEER HOURS
- 18,274 TOTAL VOLUNTEERS
- 76% PROJECTS USING VOLUNTEERS (305 of 403 USACE Projects)

**Shining a Light on Those That Serve**

POINTS OF LIGHT  
**NATIONAL VOLUNTEER WEEK**  
APRIL 17-23

<https://corpslakes.erdc.dren.mil/employees/volunteer/volunteer.cfm>

From a US Army Corps of Engineers publication, recognizing volunteers. Art is shown in the photo for Washington.



## AN UPDATE FROM JANE WALTER

Prepared by Gordon Koblitz, thanks to Jane Walter  
([djcholla@msn.com](mailto:djcholla@msn.com))

After Jane contacted Don to help with her membership renewal, Don found out about her career background and copied me. I certainly remembered Jane and contacted her to welcome her as a CHAA lifetime member this January. When we recently chatted, I said I'd love to include an update article in the newsletter. Using much of her email she shared with Don plus our conversation, here is her updated news and a nice photo.

Jane started in Corvallis in June 1974 in administrative support working for Bob Pailthorp and the Water Business Group. In 1976 she moved to the Seattle office and supported Tom Gibbs' team during his pursuit of some major projects. In 1977 Jane transferred to San Francisco to help when Sally Ruggles moved there when the new office was expanding, with Phil Hall as office manager.

After several successful San Francisco area awards of major projects in the ensuing years, she met Murry Fleming on assignment for one of the jobs. Down the road a bit she moved to Tulsa for 4 years in an admin and marketing role when Murry was office manager. The next move was to Houston to start supporting Don Evans when he was involved with OMI, the company's O&M Business Group. That's when Jane expanded her OMI marketing efforts in Texas and surrounding states. Next move was to OMI headquarters in Denver where she worked until retiring as sales director for OMI in 2012.

She said it was a terrific career, mostly in administrative and business development roles. Such great opportunities she had!! She met her husband, Denny, in Phoenix, and lives in Apache Junction, Arizona. They also have a small place in Forest Lakes, Arizona, where they spend summers in the cool pines just 2 hours north. They make regular treks back to eastern Oregon too, where Jane was born and raised.

## BLAKE JEFFCOAT DRIVE

By Blake Jeffcoat ([wbjeffcoat@gmail.com](mailto:wbjeffcoat@gmail.com))

When Gordon contacted me about a photo of me that had been submitted to him, I asked who submitted it. He told me it came from Sheldon Barker, but once I saw the photo, I knew the culprit – the one who shared the photo with Sheldon was Rod Brauer. Back in the winter, Rod and his wife, Paula Rae spent the weekend with Peggy and I in Montgomery. Rod and I – over several bourbons – told CH2M stories for an afternoon. One of the places we visited during a tour of Montgomery was Blake Jeffcoat Drive.

In 1982, shortly after joining CH2M in the Montgomery Office, one of the first projects I managed (which was also CH2M's first project with the Montgomery Water Works and Sanitary Board) was a \$995 water treatability study at the Day Street Pumping Station – a 16 million gallons/day (MGD) groundwater treatment plant that had been abandoned due to water quality problems. A treatment solution was developed, the plant returned to service, and was later expanded to 23 MGD. Although over 80 years old, the plant now continues to serve as an integral part of the water system.

I continued to manage and oversee numerous other Day Street projects over the next 35 years and when I retired from CH2M in 2017, the Water Board named the street to, and around, the pumping station in my honor.



*Jane and her husband Denny.*





*Rod Brauer and Blake Jeffcoat sharing CH2M stories.*

A couple of interesting points:

- In 1983, CH2M entered into a long-term contract with Montgomery due in part to the successful Day Street project – proving that even small projects can lead to greater success.
- In my part-time consultant role with HDR, I, along with my son Stuart, am still involved at the Day Street Pumping Station with several projects recently completed and a few more in progress.

## WWII TRIBUTES

By Bob Chapman ([bob.chap43@gmail.com](mailto:bob.chap43@gmail.com))

While retrieving CH2M artifacts from the Corvallis office, we came across tributes to three WWII vets: Earl Reynolds, Sid Lasswell, and Ralph Roderick. We have captured images of these for posting on the CHAA website. We decided to return the originals to family members who were very happy to receive them:

- Earl Reynolds to his oldest son, Jim.
- Sid Lasswell to his son, Mark
- Ralph Roderick to his daughter, Sue – wife of Mike Fisher

But there's more to this story from Gordon Koblitz. Don Marske suggested we consider recognizing all CH2M HILL veterans on the website, to which we all agreed.

First thought was to credit Vince Rybel, who originally put the framed plaques together in 1995. In contacting Vince, he told us that Jim Howland (as part of the 50th anniversary of the end of WWII) prepared a long list of the men he knew who were veterans and asked him to prepare the plaques. We were fortunate to have found the ones featured above. Vince shared the website he used, and I tried it for Earl at this [link](#).

Wow, an amazing website and a chance for others to explore! Vince will be providing more details on how he researched the National Archives for our CH2M veterans and their stories and photos for the next newsletter. We will also be working on the website area in which we will be featuring all our veterans. We also will be seeking any CH2M HILL alumni who served in the armed forces to contact Don Marske at CHAA [ch2mhillaa@gmail.com](mailto:ch2mhillaa@gmail.com) or Gordon at [gbkoblitz1@outlook.com](mailto:gbkoblitz1@outlook.com). This will be an exciting and worthwhile project in the coming months. A big thanks to Vince for his follow-up information and being a willing resource for us. Volunteers wishing to help are needed and welcome!

## AFTER CH2M

By Tom Mlcoch ([tmlcoch82@charter.net](mailto:tmlcoch82@charter.net))

In January 1995 I considered working part time or starting my own consulting business. I wanted to continue representing CH2M with the County Engineers Association of California (CEAC). CH2M had someone else in mind to do that. So, I started my own firm and have been active ever since with CEAC. It was several years before I saw anyone from CH2M at a CEAC conference.

The following spring conference in Monterey was productive. Humboldt County had several bridge jobs, including a washed-out bridge on the coast. I acquired that project and retained CH2M to do drafting and plan check. I also billed CH2M for finishing funding and design repairs for the historic Lewiston Truss Bridge for Trinity County. When I acquired two storm damaged bridge jobs for Plumas County, I was unable to negotiate a contract with CH2M because of their contract provisions. So I contracted with Pace Engineers to help. By then Richard Uhlmann was available for drafting services. Richard had worked at CH2M and another firm before going in business for himself. Richard is and now does project for several engineering companies.





*Tom and Mary Lou on vacation, circa 1985.*



*Tom with Jane Carr in 2015.*

I have been an avid archer for many years and served 4 years as president of the Straight Arrow Bow Hunters Archery Club in Redding, California. My son Mark was a salmon fishing guide on the Sacramento River. I served as his deck hand during salmon seasons from about 1995 to 2016. In 1998 my wife Mary Lou and I took a 2-month trip to Alaska in our fifth wheel via inland ferry.

2000 was a busy year. I completed the Sundial bridge glass deck and expansion joints project and had submitted them to the city for review and approval. In May that year I tested positive for prostate cancer. In June Mary Lou and I traveled to Spain; we then flew to Italy for a 2-week bus tour with a group from Redding. In October we moved to Loma Linda, California, where I underwent Proton treatments for prostate cancer at Loma Linda Medical Center. The treatment was successful and we were home for Christmas.

In 2005 we drove to Denver for a CH2M Reunion. Then on to Vermont and Kentucky to visit friends and family. In April 2008, Mary Lou passed away following a long illness. We had been married 55 years and 25 days. In 2009 I took my three beautiful young granddaughters on a 1-month trip to Europe via Vienna, Brno, Prague, and Rome. In Spain, we rented a Volkswagen for a road trip to Toledo, Granada, Nerjal, Gibraltar, Seville, and Cadiz. Then on to Albufeira, Portugal, for a few days of beach fun. We spent a few of days touring Lisbon before returning the car and flying home. (Another successful project on time and on budget!)

In August 2009 I took my son Mark on an arctic adventures Cariboo hunt in Lake Irkirtuuq and tour of Montréal, Canada. In November of that year I met Jane Carr on a blind date for a 2-hour lunch. She owned the Dojo in Redding and was a 10th grade Black Belt and instructor in Jiu Jitsu and message therapy. We were very close and traveled together to her conventions and my meetings with CEAC, the CH2M alumni meeting in Vancouver, our wine club friends in Gualala, trips to poker bar and the coast. She passed away in March this year.

I am very fortunate man. I have four wonderful children that look after me. Life Is good!

## Alumni Quick Notes



*Tim and his wife, Mickie.*

### STANLEY E. KAPPE AWARD GIVEN TO TIM SHEA

By Tim Shea ([tshea1316@gmail.com](mailto:tshea1316@gmail.com))

Timothy G. Shea (M.Sc. 1963; PhD 1968) received the Stanley E. Kappe Award from the American Academy of Environmental Engineering & Science for his contributions to advancement of the environmental engineering profession, including his service as president of the Academy in 2005. Of note, former CH2M colleague Dr. Glen Daigger was the keynote presenter at the awards ceremony. Tim also noted that he completed his M.Sc. in sanitary engineering in 1963 and PhD in 1968 and his diploma was signed by then Governor Ronald Reagan.



## CH2M HILL Alumni Association President's Corner

By Rick Luebbers ([rluebber@hotmail.com](mailto:rluebber@hotmail.com))



Greetings everyone!

It is hard to believe that half of this year is already behind us. I think it is because we are all getting back to normal life and there is much catching up to do. That is certainly true of the CH2M HILL Alumni Association. The year started strong and the flurry of activity continues. This mid-year report provides a summary of the great things your Board of Directors and their committees have accomplished.

In January, we welcomed Dick Crim to the Board, and he graciously accepted the Vice President position. Dick's career stretched across the firm, and he brings strong connections among the alumni population. He will build on this base as he leads our efforts to recruit CHAA members to actively serve as committee members, Board members and officers.

Please see the Help Wanted section of this newsletter for current openings. Don't be bashful about stepping up to help the Association. It is quite fun to work with old colleagues once again.

Bob Chapman has been doubly busy this spring. He continues to guide the planning for the 2022 CH2M HILL Alumni Reunion, now scheduled for October 27 to 29 in Atlanta. We look forward to seeing everyone currently registered and encourage everyone else to consider joining us there. Please see the newsletter article for an update. In addition, Bob has led the efforts to negotiate an agreement with the CH2M HILL Alumni Center to establish an information display in the Center to highlight the history, people, and projects of CH2M HILL. An interactive kiosk will be up and running soon, so check it out next time you are in Corvallis.

Recent interactions with OSU have reinforced the strong connections developed between CH2M HILL and Oregon State University over the years. CHAA is planning a new initiative to highlight the many people who attended OSU and who also worked for CH2M HILL. The Dean of Engineering, Scott Ashford, is a great example of someone with strong ties to both organizations. This is one of those volunteer activities mentioned above. If you are an OSU graduate and would be interested in helping with this program, please let us know.

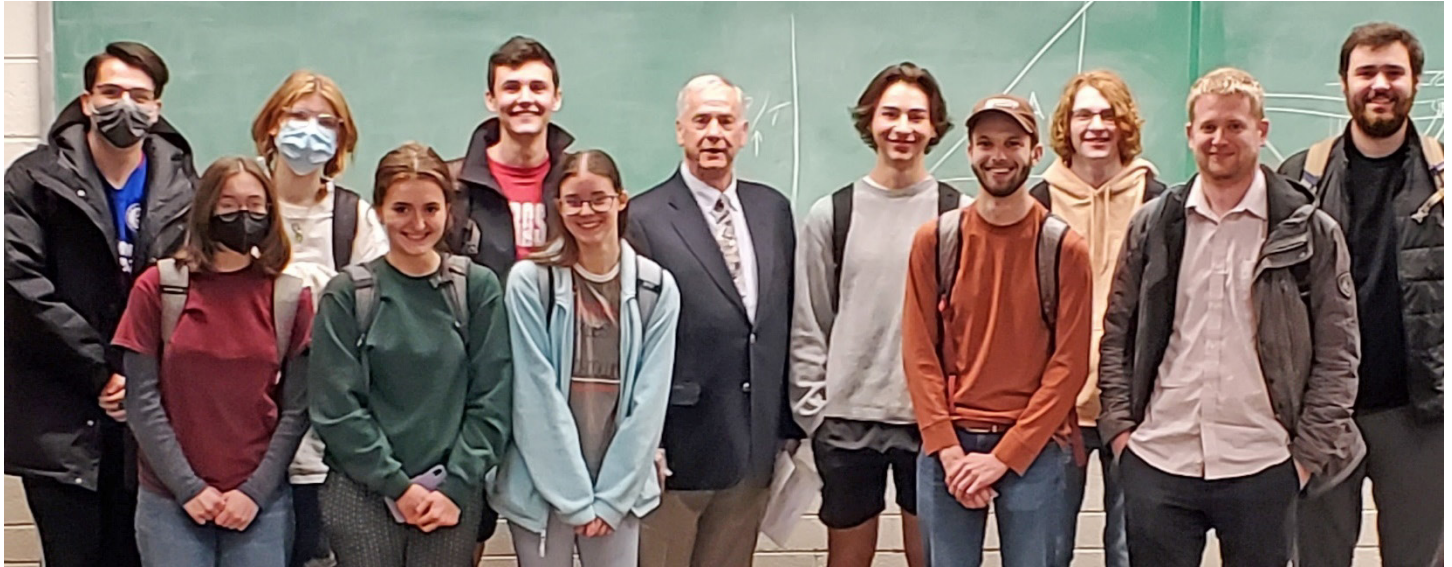
The Alumni History Committee has a concerted effort underway to find and categorize artifacts remaining from the old CH2M HILL (now Jacobs) offices. So far, this group has uncovered a treasure trove of photographs, plaques, documents, recordings and other memorabilia. Some of it is slated for archives, such as the Benton County Historical Society Museum. Others have been presented to CH2M HILL alumni who have strong ties to the people or subjects represented by the artifacts. Still others are being made available at the October reunion. We hope to be able to share a listing of the artifacts at some point in the future to provide an opportunity to select items with special meaning for you.

We continue to keep our periscope up looking for local groups of CH2M HILL alumni who meet casually to share friendships and activities. So far, we have identified several groups and would like to learn of many more. Please see the article by Ted Downen in this newsletter asking for your help in finding more local groups.

Finally, CHAA's Strategic Plan includes a goal to Pay It Forward, basically to go out into the community and share what we learned and experienced at CH2M HILL. Many alumni are already doing this without any fanfare. People are active in community-based clubs, serving on non-profit boards, joining volunteer groups, and many other worthwhile activities. We know of some of the great things that people are doing – you may have seen articles in the newsletter or on the CHAA website. But we know there are many more noteworthy activities out there that we are unaware of. Starting soon, we will ramp up an initiative to capture Pay It Forward activities by CH2M HILL alumni. We hope to acknowledge their selfless contributions and, by doing so, to encourage others to take the extra step to share with the greater community those ideals memorialized in the *Little Yellow Book*.

Inspired by the Pay It Forward initiative, I visited the University of Nebraska this spring. I graduated from that fine institution 51 years ago with a BS degree in civil engineering. After more than four decades of working in the transportation field, I arranged to spend a day with the undergraduate transportation engineering class. It was fun to share some of my experiences and to provide a bit of advice for their upcoming careers.

These young students are the future of the profession. They will employ technologies that are yet unknown to solve problems that may not yet be apparent. As an example, I described how we did everything with slide rules during my time at the University. There were no handheld calculators, or portable computers, or CADD systems, or cell phones. And yet, by the time I retired, we had satellite internet service, virtual reality and self-driving cars. As new graduates, they will be starting with self-driving cars. Imagine where they will be in 40 years!



*Rick, center, meeting with the next generation of transportation engineers at the University of Nebraska.*

I am happy to provide this update for CHAA. Speaking for the Board of Directors, we are grateful for your support. Please continue with a peaceful, fulfilling life and help others when you can.

Be safe, stay well,

Rick Luebbers  
CHAA President

[\[Click here to return to "Breaking News!"\]](#)

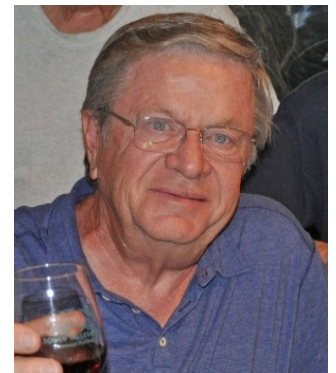
## CH2M HILL Alumni Association News

By Don Marske ([donmarske@gmail.com](mailto:donmarske@gmail.com))

Greetings all...

Thanks to all of you, 2022 is off to another good year for the Association! As of July 15, income was \$14,125 against expenses of \$9,420, leaving a net positive balance of \$4,405. We are projecting a year end net of \$2,500.

While the foregoing picture looks rosy, we are experiencing a low renewal rate. We currently have 410 active members and 90 expired members. If all 90 would renew we would have 500 active members. As of year to date, we only have 166 paid members for 2022, 36% of goal. This time last year we had 212 paid members, 52% of goal. Based on what we hear, the most common responses to our pesky reminder emails are, "Oops, I forgot." Or "Is it that time already?"



To get back on track in the second half of the year, our Membership Committee will be reaching out to convert folks who forgot to renew. We already offer a Lifetime Membership with a donation of \$500. For those who may not see how that will pay off, we are now offering a new Five-Year Senior Moment Plan with a donation of \$100 as an incentive to get out from under the annual \$20 dues.

If you have any questions about the Alumni Association membership, renewals, or its programs, please feel free to contact me at [ch2mhillaa@gmail.com](mailto:ch2mhillaa@gmail.com).

Again, thank you to all who have joined, renewed, and donated in 2022.

Don Marske  
CHAA Director, Treasurer



## CHAA 2022 Reunion – October 27-29, 2022



*Atlanta's exciting Olympic Centennial Park, near the venue for our October 2022 Reunion.*

The Alumni Reunion arrangements are coming along very well. The Reunion promises to be a fun and informative experience, so please register and/or book your rooms at Embassy Suites if have not already done so. There should be a great turnout and you can register for the Reunion and find a list of the current attendees in your online Greenvelope Invitation. If you need an invitation, or are seeking the latest information, look for another round of Greenvelope invitations forthcoming in the latter part of August. The "Special Notations" section of the invite will provide many additional details, including the latest COVID 19 safety protocols that are being developed. For example, it will be strongly recommended that all participants take the smart and responsible action of testing negative in a home test kit COVID 19 test just before departure to the Reunion.

The reception, dinner, and program Thursday night (October 27) are very popular and exciting for alumni traveling to the Reunion and those living in the Atlanta area to mingle and catch up with each other. The program will describe the amazing story of how CH2M HILL grew here in the East to become a national consulting firm. Presenters will include Cliff Thompson, Bob Chapman, Dana Rippon, Dick Bedard, Sheldon Barker, Dave Ellison, Steve Aasheim, and others.

There are several other interesting special speakers and topics planned for Thursday, Friday, and Saturday mornings. In addition, you will have a fun opportunity to view and collect nostalgic CH2M HILL memorabilia and to obtain a specially made 2022 Reunion T-shirt! (See article on following page.)

There are still some spaces remaining for the five exciting optional excursions – the extraordinary Mercedes Benz Stadium (a special "behind the scenes" tour), the Georgia Aquarium (a special "behind the seas" tour), Atlanta History Center (see the recently restored Battle of Atlanta Cyclorama originally painted in 1886), Battle of Kennesaw Mountain National Park, and Gwinnett Environmental and Heritage Center. So, sign up soon if you have not already done so.

It is necessary to make new room reservations for the 2022 reunion at Embassy Suites at our special rates using this CH2M HILL Alumni Reunion portal: <https://www.hilton.com/en/attend-my-event/ch2mhillalumniassn2022/>. You can also reserve rooms with their 1-800-EMBASSY number but be sure to use our special event code: **CH2**.

We look forward to seeing you in October!

Your 2022 Reunion Committee (Bob Chapman, Mike Mynhier, Jim Schwing, Terry Sheldon, and Dennis Sandretto).

[\*\*\[Click here to return to "Breaking News!"\]\*\*](#)



## SOMETHING NEW FOR THIS YEAR'S REUNION

Calling All Alumni Association Members! For this year's reunion in Atlanta, we're offering something new: the opportunity to buy commemorative T-shirts. As you can see, the shirts feature the cover of the famous Jim Howland *Little Yellow Book*, with all the memories that image brings back. So let's indulge in some wearable nostalgia as we gather in Atlanta for our 2022 Reunion!

These are high-quality, unisex shirts that are available in S, M, L, XL, XXL, and XXXL. All of the cotton used in the shirts is pre-shrunk.



Shirt A, a soft 90% cotton/10% poly blend. \$24.



Shirt B, a soft 65% poly/35% cotton blend. \$24.



Shirt C, 100% cotton. \$23.



Shirt D, 100% cotton. \$23.

You can place your order from now through September 26, 2022. Here are the steps:

Send an email to Don Marske at this address: [ch2mhillaa@gmail.com](mailto:ch2mhillaa@gmail.com) indicating the total number of shirts you want. Also indicate the breakdown by size and shirt designation (A through D). For example, I want a total of 5 shirts: 1 Medium Shirt A, 2 Extra Large Shirt B, 1 Large Shirt C, and 1 Small Shirt D.

Multiply the total number of Shirts A and B by \$24.00. Multiply the total number of Shirts C and D by \$23. Add those two dollar values together. Make out a check for that amount to CH2M HILL Alumni Association. Send the check to this mailing address: CH2M HILL Alumni Association, c/o Don Marske, 19 Ninos, Irvine, CA 92620.

You'll receive confirmation of your order by email. Shirts will be available for pick-up at the Reunion during registration. You'll see the sign for the Tee-Shirt Pick-Up tables. Also, your check will not be cashed if: (1) the Reunion is cancelled for any reason, and (2) the shirts have not yet been printed. Receipts will be sent via email.

The T-shirts are available for sale to all members regardless of whether you plan to attend the Reunion. However, if you've been "on the fence" about attending, we hope you'll decide to join us for this event—it's shaping up to be a memorable and enjoyable time together! – *Rick Luebbers, CHAA Board Chairman*

## Special Announcements

### AN IMPORTANT NOTICE REGARDING LOCAL GROUPS!

By Ted Downen ([ted.downen@gmail.com](mailto:ted.downen@gmail.com))

In previous CHAA newsletters, the Board of Directors provided information regarding the local groups initiative to reach out to the small gatherings of CH2M alumni who meet with old friends and to make new ones. Local groups provide the opportunity to renew and maintain friendships, reflect on old stories, share information about hobbies, travel adventures, and so much more. It's a great opportunity to rekindle CH2M family ties and gain wonderful insight in so many ways.

Our goal is to include a listing of these groups within the CHAA website so that alumni who may not be aware of such groups can participate. We're planning to post the roster on the website in the next couple of months so stay tuned! Thanks to your input, we're now aware of several local groups throughout the country and would like to learn of many more.

Shown here is an abbreviated portion of the roster format that indicates how the data are being cataloged and presented. The listing is organized by CH2M regions to help you find a local group near you. Knowing that the information is dynamic and could change, the spreadsheet will be updated periodically as data is added and/or revised.

Please let us know of your local group. We would love to learn about who is involved and what you do. The Board will be happy to send you a template for easy submittal of information. To request a template, just email the CHAA organization at [ch2mhillaa@gmail.com](mailto:ch2mhillaa@gmail.com) or contact our Local Group Task Force coordinator, Ted Downen, at [ted.downen@gmail.com](mailto:ted.downen@gmail.com). We're really looking forward to learning of your local group and finding ways for CHAA to help us all maintain our CH2M family ties.

*Important note: We understand that your group may not currently be meeting in person due to the COVID pandemic. But go ahead and let us know that your Local Group does exist so it can be included in the roster. Information about virtual or in-person meetings can be added as they occur. Thanks for your support!*

[\[Click here to return to "Breaking News!"\]](#)

CH2M HILL Alumni Association (CHAA)				
Listing of Local Groups				<small>The group identity or name is what would be us CH2M Hill Alumni in Corvallis", or discipline group</small>
<small>Updated: 15-Mar-2022</small>				<small>NOTE: This Roster is a dynamic &amp; fluid "tool" so</small>
Location Number	GROUP IDENTITY (Name)	CITY/TOWN where the group meets	LOCATION/PLACE where you gather	ADDRESS
<b>1 PNW = AK, HI, WA, OR, ID, MT, Alberta, British Columbia</b>				
OR-01	IDC Portland, Oregon (Tuesday Morning Breakfast Group)	Sherwood, OR	McKenzie Pub	16450 SW Langer Dr, Sherwood, OR 97140
OR-02	The Corvallis Breakfast Group	Albany, OR	Pop's Branding Iron	901 Pacific Blvd SE, Albany, OR 97321
WA-01	The West Point Gang	Seattle, WA		
<b>2 SWR = UT, CA, CO, NM, NV, AZ</b>				
CA-01		Redding, CA		
CA-02	Southern California Offices (SCO) Geezers	Irvine, CA	Varies	
CO-01	Old Farts Lunch Group	Denver, CO	Zoom Calls (currently due to Covid precautions)	

## ANOTHER IMPORTANT NOTICE REGARDING CHAA'S NEED FOR HELP WANTED!

Are you ready for opportunities to help CHAA continue to grow, to connect with friends and colleagues, and to have some fun all at the same time? Check out some of CHAA's needs and current openings. These are NOT time-consuming positions with fixed deadlines. Typically, we function quite well with adjusting schedules to meet our needs.

We always welcome CHAA members to join our committees for Governance, Membership, Reunions, History, Local Groups, and Outreach. Here are some examples of current needs:

**Board of Directors:** We have 13 Directors, with 3-year terms, and four officers. The only requirements are to be a CHAA member, attend quarterly meetings (via Zoom), and join sub-committees as needed to support planned tasks.

**Alumni History Committee:** Keep the CHAA website updated with new features, documents, stories, and member's bios. The committee meets about monthly via a conference call. All alums are welcome to join for all committee activities or just for individual tasks of their interest or specialty.

**Newsletter Publishing:** Currently the team is led by Gordon Koblitz to develop and publish the CHAA newsletter twice a year. Don Marske helps by furnishing leads (about a third) for articles when alums join CHAA or renew memberships. Another third of the leads come from our members who share information about alums who are retiring, traveling, doing special activities and (sadly) passings. The plan is to have monthly conference calls (less than 1-hour) to discuss activities and needs, and to make assignments. Committee membership is open to all, and alums can join for regular activities or just for specific tasks of their particular interest.

**Artifact Recovery Program CH2M/Jacobs:** This program may be coming to an office near you! You may have read about our efforts in this newsletter. We recently have contacted all the Jacobs' offices for the status of any remaining CH2M artifacts still under their control. As we hear back, we will need alums locally for help reviewing and itemizing the items, and deciding how they should be dealt with. Check this newsletter for the Corvallis, Denver, and Portland teams' successful and rewarding stories. Team up with your local friends and colleagues when the time comes.

**Greenvelope Guru:** CHAA uses a great application (Greenvelope) to manage invitations, reservations, messages, and payments for our alumni reunions. We are looking for someone to help with overall management of this program and to deal with the specifics of each Reunion. If you like interesting software and communicating with your colleagues, this is the job for you.

**Webinar Expert:** CHAA is looking for ways to share the knowledge and experience of our members throughout the CHAA organization and beyond. We would like to explore the possibility of conducting occasional webinars and are in need of someone who understands how the work. The initial task would be to outline how a webinar program could be established and operated. Subsequently, help would be needed for perhaps four webinars a year. If this is you, please let us know.

[\[Click here to return to "Breaking News!"\]](#)



## CEO EXCELLENCE AWARDS PROGRAM AND WALK OF TALENT PAVERS

By Gordon Koblitz ([gkoblitz1@outlook.com](mailto:gkoblitz1@outlook.com))

Back in 2010, a program was started to recognize special projects, teams, or people, known as the “CEO Excellence Award Program,” and paver stones were added to the Walk of Talent area in the courtyard of the Englewood headquarters in the ensuing years. With the Jacobs Denver office relocation taking place, Megan Abeyta (thankfully) reached out to several legacy staff members to enable these pavers to get into the hands of recognized staff or find places to house them.

Twenty-six of the pavers were spoken for and were either locally picked up or shipped out. Luckily, Larry Belkin and Ted Downen, among others, responded and the quest started for where the remaining Walk of Talent pavers might find a new home. Options explored were the Benton County Historical Society (BCHS) Museum, which was previously approached and approved hosting a CH2M area for special displays; Oregon State University (OSU), which has a CH2M HILL Alumni Center and approved hosting an electronic kiosk display featuring a computer access to our CHAA website; and finally, a number of legacy staff who were associated with the award-winning projects, who have requested their pavers for themselves. Bob Chapman and Mike Schweizer, who are involved with the OSU and BCHS respectively, learned that neither entity is interested in storing and/or displaying the many pavers at their facilities.

In the meantime, Scott Trusler stepped up and offered to store the remaining pavers at his home west of Golden. Originally, Scott was heading to the West Coast this summer and was to take most of the pavers to Corvallis, if needed. Since the plan didn’t work out, Plan B is to distribute the remaining pavers to individuals who have a “claim” to the pavers. We are now reaching out to our readers to help find the remaining people associated with the pavers as indicated in the list below. The pavers are heavy and fragile so for shipping they each need to be crated and shipped through Federal Express; average costs in the US have been around \$250 (1x2 foot stone). There may be opportunities with folks passing by Denver heading all directions who can stop by and help carry pavers to folks in other areas. Note the stones are not easy to photograph but Scott is willing to try and it is also possible to make a “rubbing” print. Obviously, there will need to be communications and coordination involved. Please let Scott, Megan, or me know if you can help. Thanks!

Contacts:

Scott Trusler (SLT): [slthiker1@gmail.com](mailto:slthiker1@gmail.com)

Megan Abeyta: [Megan.Abeyta@jacobs.com](mailto:Megan.Abeyta@jacobs.com)

Gordon Koblitz: [gkoblitz1@outlook.com](mailto:gkoblitz1@outlook.com)



Project/Person	Award	Size	Notes
Jim Lozier	Lifetime Achievement	1x1	Scott to deliver
Rob Braun	Lifetime Achievement	1x1	
Larry Mitchel	Project Delivery	1x1	
Charlie Hetland	Emerging Leader	1x1	
2012 Olympics Enabling Works	Team	1x1	Scott: photo and print to Jan Walstrom
Tom Simpkin	Lifetime Achievement	1x1	
DTSS Changi WRP	Team	1x2	Scott to deliver
Singapore Water Team	Team	1x2	Scott to get print to SNG
Lee Tunnel		1x2	
ADSSC Step Program		1x2	
Cat Del UV		1x2	
Panama Canal		1x2	
NMB Water Team	Team	1x2	
DOE Idaho Cleanup		1x2	
Nasa George C Marshall Space Center Program		1x2	
DTRA Cooperative Biological Engagement Program		1x2	
Solutions without Boundaries Improvement Program		1x2	
I-405 / Renton Stage 2 Design-Build		1x2	
Team 2100 Program		1x2	Scott to print to SNG
MEMC Kuching Malaysia Solar		2x2	
BAPCO		2x2	
Dow Lauterbourg Landfill		2x2	
HS2 Development Partner		2x2	

## THE CHAA ARTIFACT RECOVERY PROGRAM

By Gordon Koblitz ([gkoblitz1@outlook.com](mailto:gkoblitz1@outlook.com))

For the past few years as Jacobs consolidated and merged the CH2M and Jacobs offices, many CH2M artifacts (framed photos, wall art, displays, awards, memorabilia, records and documents, etc.) were removed and sent to storage areas.

As part of the process, CHAA became aware of the need to recover the artifacts before they are lost. The initial effort was in the Corvallis, Denver, and Portland offices. As you will see in this July issue, we share some stories of how our legacy staff, alumni volunteers, and Jacobs members are working together to recover a multitude of treasured material and documents. This material will be evaluated by our alumni teams to determine what goes for display elsewhere, or returned to program and project managers, clients and other alumni who were involved.

Jacobs is helping CHAA access the key individuals in its offices across the country in the coming months to work with local staff to recover any remaining artifacts and memorabilia. Jacobs staff members Tracy Adcock (western offices and Canada) and Kim Bergeron (eastern offices and Canada) are our contacts and getting the word out. Gordon Koblitz is the main contact, along with Bob Chapman (western) and Dave Dunagan (eastern) to coordinate on a closer level. As done with the offices previously mentioned, we'll be looking for local volunteers in most of the major offices across the country. Based on the comments from our recent volunteer's work, it's fun, rewarding, enlightening and a chance engage with old (and new) colleagues to help recover many meaningful artifacts.

We will include newsletter updates as the program continues in the coming months. Please contact us if you have any question about the program and would like to help in your area.

Contact Bob ([bobchap43@gmail.com](mailto:bobchap43@gmail.com)), Gordon ([gkoblitz1@outlook.com](mailto:gkoblitz1@outlook.com)), or Dave ([ddunagan4747@gmail.com](mailto:ddunagan4747@gmail.com)) with questions or information.

[\[Click here to return to "Breaking News!"\]](#)

## CH2M ARTIFACTS AND MEMORABILIA – THE CATALOGING EFFORT

By Ted Downen ([ted.downen@gmail.com](mailto:ted.downen@gmail.com))



*The artifact and memorabilia team surrounded by some of the display items: Josh Armitage, facilities lead for the PDX office, CHAA alumni Larry Powell, Jory Abrams, and Ted Downen. Photo by Valarie Keiser.*

After contemplating the task, it was felt that we should address the posters, photos, and artwork first. The primary reason being that since storage of these items would consume more space, it would be best to catalog and remove them first, then address the two boxes.

Armed with a worksheet, marking pens, post-it notes and camera, we moved these framed items out into a large area where we could spread them out, assign them an item number then take photographs of each one. Jory and Larry began logging in the items on a spreadsheet while Ted took photos. After about 2 hours we completed the effort and

After coordinating a date that a couple of CHAA members could meet, they embarked upon the task of cataloging remaining CH2M items in the Portland, Oregon, office. On the morning of Friday the 13th of May, 2022, Jory Abrams, Larry Powell, and Ted Downen met up with Josh Armitage, Portland office facility lead, and his assistant, Valarie Keiser, in the Jacobs office at the corner of 4th and Lincoln in downtown Portland.

This building was the site of CH2M's office, then Industrial Design Company (IDC), followed once again by the main CH2M office.

After we all arrived, made introductions, and signed in, Josh took us to the area on the fourth floor where the items had been collected and were stored. The artifacts consisted of two basic groups: (1) a cluster of framed display posters, large photos, and artwork; and (2) two banker boxes containing various documents, photo albums, VHS tapes, and so forth.



reassembled them into groups in the storage area. Jory and Larry then went to work to address the distribution and archiving of the items while Ted organized the photos. With his underway on the first group, the team (perhaps with a few different support alumni) will address the two banker boxes in the near future.

On August 2, Bob Chapman met up with Ted Downen to hand off two boxes of IDC memorabilia that had been collected from the Portland (Jacobs) office. The next day, Wednesday, August 3, Ted took the boxes to the IDC Breakfast Group. We're revising the time from Tuesdays (10:00 AM at McKenzie Pub) to Wednesdays (8:00 AM at Shari's). Due to the change in meeting time/day/place (still in Sherwood, however), plus summer vacations and the lingering impact of the COVID pandemic, attendance has been low. However, as time moves forward, we're hoping to recapture most of those who have attended before. Although the group was small, we did have an enjoyable interaction and scanned through the boxes. Over the next several weeks, the boxes will continue to appear at the breakfast so that as more folks arrive, so they can look at what's there.



*Paul Turner, Rob Edgerton, and Sue King, with Ted Downen taking the photo.*

### RE-HOMING AND REMEMBERING PORTLAND ARTIFACTS AND MEMORABILIA

By Jory Abrams ([joryabrams@gmail.com](mailto:joryabrams@gmail.com))

CH2M former employees from Northwest Transportation gathered for a lovely night on June 30 at John and Sally Willis' home in Lake Oswego. As part of the Portland artifacts collection and distribution, I contacted project managers to determine their interest in re-homing their framed project submittals and awards that once hung proudly on the walls of the Portland office. To a person, they all wanted the items and from that beginning, a gathering formed. The items were quickly distributed and then the night quickly turned to hugs, laughter, sharing and remembering. John and Sally's hospitality was amazing; they treated the group to BBQ, salads and libations. It was a perfect summer evening; the lake was beautiful and the friendship flowed (as did the beer and wine). Those gathered included John and Sally Willis, Rick and Barb Kuehn, Linda Girard, Jennifer Staley, Bonnie Scheeland, Diane and David Kestner, Dave and Michelle Simmons, Steve Katko, Marcy Schwartz, and Jory and Gerry Abrams. We all left wishing and hoping we would gather again, especially me as I really, really miss these wonderful folks. It was great to see each of them again.



*Left to right standing: David Kestner, Michelle Simmons, Jory Abrams, Gerry Abrams, Marcy Schwartz, and Steve Katko; far right is Rick Kuehn. In front peeking out is John Willis, next is Dave Simmons and seated in chair is Diane Kestner. Seated on the couch are Bonnie Scheeland, Jennifer Staley, Linda Girard, Barb Kuehn, and kneeling by the fire pit is Sally Willis.*



## CHAA History Corner

### TAKE A WALK THROUGH HISTORY

Our early weekly and monthly newsletters were a communication and recognition tool. Attached are a couple of newsletters that feature [Bob Adams](#), [Sid Lasswell](#), [Wayne Phillips](#), and [John Filbert](#).

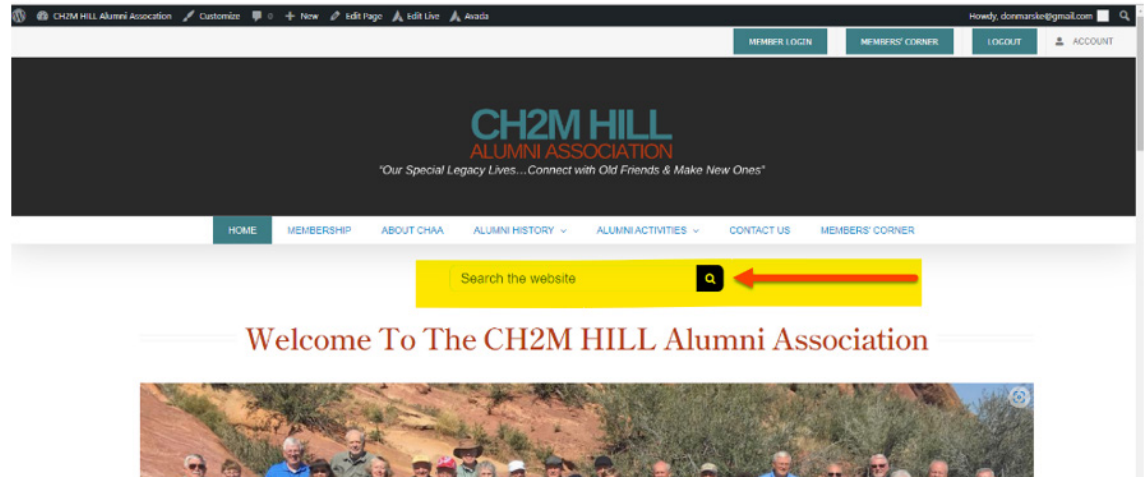
Another choice artifact recently appeared thanks to Dave Evans' hard work going through Corvallis boxes of documents. This [PDF](#) lets you re-live the first-hand description our team had competing for the key Denver Water Board project against two big competitors: Bechtel, and Greely & Hansen. Enjoy seeing how this talented team overcame some early challenges and rose to the occasion. This includes Babs Suhr, who prepared her bio as an "unsung heroine", which explains well how important an employee's spouse is to ones' career and the firm's success over the years.

Here's the [link](#).

## CHAA Website

Ever wonder how many people visit our website? For the last year there have been an average of 1,800 unique visitors per month viewing over 26,000 pages or about 15 pages per visitor.

Activity peaks when the newsletter comes out at more than 500 visitors per day.



*Note the new "Search" button. Just type a name, event or project and see all the options to explore.*

## The Families of the CHAA Family

By Mike Morrison ([valuemike@aol.com](mailto:valuemike@aol.com))



We would love to share more CHAA families with you in future editions. It seems we have some bashful members though. So, we've come up with the beginning of a list of related CH2M HILL family members. Please help us add to this list, after which we can follow-up for volunteers. If you would like to share your family, please send your information to me or help add names for the "master" list we're generating.

Thank you,  
Mike Morrison at [valuemike@aol.com](mailto:valuemike@aol.com).

- Rick and Steve DeAutremont – Rick nephew
- Bob and Tom Card – Brother
- Bill and Starr Dehn – Brother
- Barbara Ann and Tom Engleson – Spouse
- Rich Frankenfield and Sue Frey – Spouse
- Bob and Brady Fuller – Son
- Blake and Stuart Jeffcoat – Son
- Anne Kernkamp and Dana Ripon - Spouse
- Mark and Sid Lasswell – Son/Judy Spouse
- LaMont and Della Mathews – Spouse
- Rick and Mary Reid – Spouse
- Judy (Styles) and Dave Clark – Spouse
- Gene and Steve Suhr – Son
- Ed and Joe Worth – Brother

## Meet Your CH2M HILL Alumni Association Members!

Meet Your CH2M HILL Alumni Association Members!

We are especially pleased to introduce our continuing and new members of the CHAA as of July 22, 2022! We also like to include all the spouses of our deceased alumni who, by the way, receive their complimentary membership free of charge. If you know others who qualify, please let us know. We hope you all will look over the list: over 400 now!

It's longer than the previous lists, so we attached it as a [PDF](#) to save a couple pages of the newsletter. Open and enjoy checking the list of your friends and colleagues. If you DON'T see some of your good friends or colleagues, reach out to them and encourage them to join. If any of our readers haven't yet joined (or need to renew) and would like to support our CHAA family goals and activities, please contact Don Marske at [CH2MHILLaa@gmail.com](mailto:CH2MHILLaa@gmail.com) or go to our CHAA website: <https://CH2MHILLalumni.org/> and click on **MEMBERSHIP**.

## Hats Off to Our CHAA Donors!

In our July issue we offer our special thanks to our new 2022 members and current members who kindly went above and beyond their annual membership fee by contributing an extra amount to help us with our mission into the coming year!

We wish to acknowledge all our donors, and we appreciate every gift given. Listed below are our 2022 donors to date in July at the different levels we established. This is voluntary, of course, and can be done anonymously, if desired. Please note that all members who have donated are acknowledged annually in the January newsletter.

Donations will be accrued, and donors will be acknowledged in bold type and asterisk when a new level is attained at the "Booster" level and above. Members who attain the "Sustainers" level and above will receive a lifetime membership and recognition in every issue as a small token of our appreciation. They will also receive an asterisk designation when making additional donations in the current year.

A major portion of the donations are used to continue upgrading our CHAA website (accessibility, content, security and enjoyment) and maintenance, our continuing search for legacy colleagues, and help to promote local member groups across the country. Updates regarding these efforts will be included each newsletter.

Again, thank you all for your generosity!!

### 2022 CHAA Supporters: \$1–\$99

Jim Bareinger	Rick Smith	Bill Van Wagenan
Delbert Martin	Mac Stuart	

### CHAA Boosters \$100+

Sheldon Barker	<b>Ted Downen*</b>	Jim Otta	<b>Pete Wiedemann*</b>
<b>Dale Cannon*</b>	<b>Mike Mynhier*</b>	Sally Peek	
<b>Dick Crim*</b>	Dave Odom	Mike Schweizer	

### CHAA Sustainers (Lifetime Members) \$500+

<b>Jory Abrams*</b>	Tom Higgins	Greg McIntyre	<b>Terry Sheldon*</b>
Bob Card	<b>Don Marske*</b>	<b>Sally Ruggles*</b>	Jane Walter
Randy Denton	Jeff Mather	Jim Schwing	<b>Bud VanDerAa*</b>

### CHAA Patrons (Lifetime Members/Recognition) \$1,000+

<b>Bob Chapman*</b>	<b>Mike Fisher*</b>	Judy Lasswell	Rick Luebbers*
<b>Anne Kernkamp*</b>	Gordon Koblitz*	<b>Mark Lasswell*</b>	Bob Pailthorp

### CHAA Benefactors (Lifetime Members/Recognition) – \$5,000+

Jacque Hinman

### CHAA Champions (Lifetime Membership/Recognition) – \$10,000+

Well, we need to be optimistic and aim high for the long haul! 😊

## Goodbye, Old Friends



### THOMAS ROGER CUTTING

Thomas Roger Cutting passed away February 27, 2022 in Holladay, Utah. He was born on June 14, 1949 in Grants Pass, Oregon. While studying civil engineering at Oregon State University, he met his future wife, Sherry. They were married in 1972.

Tom and Sherry settled in Danville, California, where they raised four children. Tom served in a number of capacities in his professional career as a structural engineer, strategic planner, and management consultant. He served clients in the public and private sectors, and guest lectured in university classrooms. He was known for his creativity and imaginative solutions. He was a seasoned world traveler and visited every continent but Antarctica. Throughout his life, he relished time spent in nature with friends and family. When it came to family vacations, he returned to Hawaii like a migratory bird, where he regularly basked in the shade of his umbrella, clutching a Tom Clancy novel.

Following their retirement in 2007, Tom and Sherry became full-time missionaries in the India Bangalore Mission of the Church of Jesus Christ of Latter-Day Saints. From 2012 – 2013, they served as English teachers at Peking University, Beijing, China, through the BYU Kennedy Center. In 2015, they once again donned their missionary badges as they served people in the Poland Warsaw Mission. Tom was a zealous people person and loved the brothers and sisters he met in every country.

Tom is survived by Sherry, his wife of 49 years; their children, Jonathan (Beverly) Cutting, Elizabeth (Paul) Giuliacci, Brian (Kimberly) Cutting, Amanda (Richard) Fetters; eighteen grandchildren; and his brothers, Stephen (Tammy) Cutting and Jeff (Sue) Cutting.

Writes Rick Luebbers, “I knew Tom in Corvallis many years ago and worked closely with him in the San Francisco Bay area. It was there that he began to develop an approach to business development that eventually became the 4P process. Always the professional, Tom led the way in expanding CH2M’s reach before taking his talents to help others. Tom had a commanding presence in any room. He will be missed.”

Adds Ray Yep, “When telling stories about Tom, there are too many. Is it the car keys that Don Evans gave Tom to start the San Jose office, the crooked golf that he played, the bad oysters he ate in London on the way to Singapore, the way he looked like Ted Danson, his leadership to win the Singapore project, etc.? I will offer my story of salmon fishing with Tom and John for the past 15 years. Some of you.. Mike Iverson, Andrew Clough, Jose Villalobos, Mike Iverson, Bob Kemmerle, Dave Grigsby.. experienced the agonizing 8 hours on a boat with Tom. Tom would quiz everyone on their 5-year business plan, and if you didn’t have one, he would school you on how to prepare one. Many ‘deals’ were created and we solved world hunger many times over. Storytelling was the focus, catching salmon was secondary.”

Dave Richardson provides a note for Sherry, Tom’s wife, “Sherry, I have so many fond memories of Tom, but I wanted to share with you that when I told my family about Tom’s passing, my daughter Kady remembered you as her Algebra 2 teacher at Miramonte High School; you took her under her wing after she transferred out of Mr. Plant’s Algebra 2E class where she was flailing (as was I trying to explain multi-dimensional matrices). She really loved you as a teacher and appreciated all you did for her and her fellow students. As for Tom, he taught me many things, but the most memorable (as we prepared to convince Todd Cockburn of SFPUC to hire us to market biosolids) was to have supreme confidence in my ability to master new concepts and ideas; he believed in me, and helped me believe in myself!”

Click [here](#) for a link to Tom’s funeral.



## CHUCK CRANDALL



Chuck Crandall died on April 1, 2022, in Marietta, Georgia, with his family by his side. Chuck worked as an environmental engineer and project manager in CH2M's Gainesville, Columbia (South Carolina), and Atlanta offices from 1973 until his retirement in 2016. He designed and managed wastewater treatment projects throughout the U.S. and was passionate about the profession, as well as his clients and colleagues.

Chuck was also a loving husband and had an adventurous spirit. He and his wife Susan raised two children, Karen and Brian, and together they went on many memorable camping and sailing vacations. He was a devoted grandfather to Jackson and Gia Rivers and Ansley and Julia Durden. He adored his children and grandchildren and enjoyed watching lacrosse games and music performances, helping with school projects and carpool, and taking his grandkids to Florida, Hilton Head Island, and the North Georgia

Mountains. He loved exploring the natural world and traveled extensively throughout the western U.S. Chuck was also an avid reader, ham radio operator, and Atlanta sports fan. He faced health challenges, but never complained.

Lee Holmes writes, "Sad news indeed—only 74. Chuck was one cool engineer—I can still see him with coffee cup in hand (he was proud of that never-washed cup—'It improves the flavor.')"

Jay Horton adds, "I found Chuck's passion for the profession infectious, and he changed the way I think about the work we do for society. He was a grand gentleman and a fine engineer. This reminds me the old quote from Gen. Douglas MacArthur: 'Old soldiers never die – they just fade away.'"

Richard Johnson, formerly an electrical engineer in Atlanta, writes, "Chuck was an outstanding project manager. As an electrical engineer, I came in at the end of the line. Chuck managed projects so that I had time to do my job, a rarity. I tried to get Ted Smallwood (regional manager) to have Chuck give a course showing how it was done. Chuck and his wife did all they could to make sailing for their kids fun and successful. Years after I'd moved from Atlanta to Cambridge and went sailing on the Charles, I could still hear Chuck hollering in my ear, 'Jibe, jibe!'"

Tom Simpson remembers: "My work with Chuck was primarily with his role in providing engineering services for Coca-Cola. They can be a difficult client to please...very demanding and expect the best. They absolutely loved Chuck. He always made it obvious to the Coke team that they were getting top professional approaches to their problems. He implemented outstanding support, often on short notice. His work quality was directly responsible for us ultimately working at every one of the Coke syrup plants throughout the U.S. and building a relationship that resulted in CH2M becoming their facility operators at each location. Chuck had a down-to-earth style that combined top engineering knowledge with an approach that provided the client with confidence that the work would be performed correctly every time. He will be greatly missed."

## JAMES PATRICK BUSHNELL



Jim Bushnell drove #53, his 1979 Porsche 911, in his last race on April 23, 2022. In a single car crash, neither he nor the car survived. Jim enjoyed driving fast and on several trips to Germany as a young man, he practiced this proclivity on the Autobahn, eventually becoming an avid amateur Porsche race car driver.

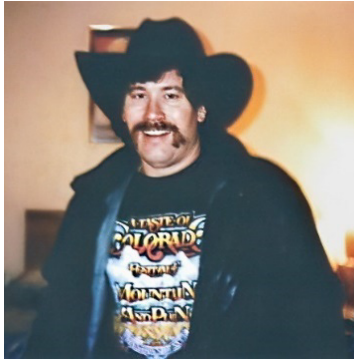
The fourth of six children, he was born in Olympia, Washington, on St. Patrick's Day in 1959. Jim was a much beloved son and brother. Always playful and easygoing, he was a generous and loving uncle, husband, friend, and professional engineer. As both a youngster and throughout life, Jim enjoyed camping, hiking, and a bit of mountain climbing. After college he met Ray, the love of his life. They married and resided in Seattle.

Jim graduated from Olympia High School, where he learned the basics of chemistry. He received his bachelor's degree in chemical engineering from the University of Washington. Jim's work career focused on safety training, a specialty that served him well as he continuously rebuilt his race car. Over four decades as a chemical engineer, he worked for the Navy, CH2M, and finally at the University of Washington. Jim was also a certified industrial hygienist.

Beyond fast driving, Jim is remembered for his love of family, singing with gusto, and a quirky sense of style. He was a bonding force for his many relatives and made frequent visits to family elders and youth. He made everyone feel loved and cherished. Jim relished his role as uncle to his 12 nieces and nephews and strove to fulfill the perfect granduncle role to the youngest generation. The sing-alongs he led with Ray were a fixture at family gatherings, Seabeck Conference Center, and University Unitarian Church. He aspired to emulate Brian May with his guitar playing and hair style but the tie-dyed socks were all Jim!

Preceded by his parents John and Violet Bushnell of Olympia. Survived by his spouse, Ray Gruenewald, and siblings Jerome Bushnell, Jeanette Bushnell, David Bushnell, Richard Bushnell, and Sandra Bushnell Straughan.

### CHUCK O'CONNOR



Chuck O'Connor passed away in Encinitas, California, in May 2021 after retiring from his engineering career in 2019. He is survived by Marie, his wife of 43 years. Chuck earned his BS (Cum Laude honors) in chemical engineering from California State University at Long Beach. He was with CH2M for about 7 years as an instrumentation and control engineer in Corvallis and Gainesville.

In his 35-year career, his primary roles included design, construction supervision and management, commissioning, owner's representative roles, and startup for power generation, chemical weapon demilitarization, pharmaceuticals, foods, oil and gas, coal refining, metals and mining, aerospace, and communications projects. Chuck's career took him all over the world, including Alaska, South America, Denmark, Sweden, The Netherlands, and Singapore. He worked with the US Army Corps of Engineers in Mosul, Iraq, for 6 months in 2004. Project work involved restoring a power plant that had been damaged during the war-ravaged years in Iraq.

John Sewell remembers: "Over several years of working with Chuck, I found him to be bright, competent, and an ideal addition to our small and growing group. In short, Chuck was the kind of person I would hire every time. I considered him not only a trusted friend, but also a fine engineer, being able to see the bigger picture and was a real team player."

Jim Parrish writes: "I have many great memories of Chuck. We always did battle on his 'California is better than Florida' theme, although I think my arguments for the latter did little to persuade him. I will always remember Chuck as one of the smartest people I've ever met. He possessed a wickedly dry sense of humor and a cutting wit. Pretty good shortstop, too."

Writes Clive McKenzie: "I was perhaps one of the first GNV employees to meet Chuck when he had transferred from CVO to GNV. I myself was new to the office and new to the I&C discipline, which was Chuck's forte. My task was to welcome Chuck and to learn I&C. Chuck had a wealth of knowledge, some of which he was able to pass on to me in his easy-going style and (as I recall) to others in GNV, and the office swiftly became learned in I&C. I used my new knowledge to help train others in GNV and later in ATL."

Greg McIntyre adds: "This was sad news indeed. Many great memories of Chuck and the whole gang in Gainesville in the early- to mid -1980s. Certainly some of the best of my career. Those memories include great colleagues at the office but more importantly lots of softball followed by good times socializing with teammates and enjoying being with each other!"

This from Tom Ridgik: "Chuck had all the attributes to be the fine engineer that he was. Hard working, knowledgeable, ability to multi-task and good rapport with clients. As a fellow chemical engineer and on loan from the old '73 wastewater group, I was invited by overloaded Chuck to assist on a bunch of I&C designs. He taught me the ropes, and I somewhat unexpectedly ended up doing I&C design work for the next 20 years. Chuck was a pretty fair shortstop on our softball team, as well as an affable presence at our post-game celebrations. In my 30-plus years on the 'HILL,' I never met another person quite like Chuck."

David Dunagan reminisces: "One of my favorite memories from GNV was a camping trip with Chuck and a couple of other GNV guys: David Hayes and John Maxfield. We drove up through Georgia over toward the South Carolina line to an area close to the Chattooga River (where *Deliverance* had been filmed). Lots of jokes about banjo strumming around the campfire that night. Unfortunately, we were all sorta casual about water purification in those days. We drank from a local creek and later in the wee small hours suffered some unbelievable intestinal upheavals (to put it mildly!!). Next morning we limped weakly over to the car, drove into the nearby town, and rented a hotel room just to get cleaned up and recover. Chuck was a good friend, and I miss him."

## DIANE ANDERSON



Diane Anderson passed away on December 11, 2021, at home at the age of 76. After she earned bachelor's degrees in Spanish and English from Purdue University, Diane and her family moved to Edinburgh, Scotland, where husband Eric worked on a research project for the British government. She earned a post-graduate degree in social administration from the University of Edinburgh. As part of her postgraduate work, she helped establish a social and childcare center for single parents in one of Edinburgh's poorest areas. Diane and her family then moved to Reston, Virginia. In 1985, she began work at CH2M as an editor in WDC. She later managed WDC Technical Publications through years of high-profile successes and growth. Diane was admired among people throughout the firm. After her retirement, she and Eric moved to Mt. Pleasant, South Carolina. They enjoyed traveling in the U.S. and overseas.

Luigi Grande remembers: "I met Diane when I was in the WDC Architecture department. We interacted on several projects and also became friends on Facebook. Diane was such a caring person. She was one of a kind, always with a smile on her face, and always ready to assist anyone that needed her. She will be dearly missed by her family and also by colleagues and friends. Diane will never be erased from our hearts and she will always be in my prayers."

Pat Trate writes, "Diane never tooted her own horn, never bragged about all the behind-the-scenes negotiations she brokered to head off workplace conflict. Her low-key style, however, set me up for a painful life lesson. Diane hired me in 1988 in WDC. At that time, her department included word processors, graphic designers, and six full-time editors. Occasional workplace tiffs aside, our group worked well with the engineers and scientists developing technical reports and proposals. I loved editing, I loved working with Diane, but my ego wanted more. Diane knew I yearned to be a manager, so when she took a long-term assignment in another state, she assigned me to be the acting pubs manager. My ego rejoiced.

"But then, soon after Diane's departure, all hell broke loose. One of the editors stormed into my office spewing venom about an engineer. Then the engineer stormed in spewing venom about the editor. We blew a deadline or two. And so it went. Naïve me, I thought it was bad luck that all this negative juju boiled up after Diane left. Finally, much to my relief, Diane came back, and guess what? The bad stuff stopped. And at last I saw the light: it wasn't luck. I liked working for Diane from day one, but after my painful taste of management, I really appreciated her skill as a manager. She had an uncanny knack for reading people, for pairing up editors and clients who worked well together, for leading effectively with a soft touch. All this and a wry sense of humor.

"I'm retired now, but looking back over my 45 years in the workplace, I count my 8 years at CH2M as the best. Diane, my best-ever boss, became a friend in the years beyond our time in WDC. And oh, for so many reasons, we all miss her. God-speed, my friend!"

Mike Tilchin adds, "I remember that Diane was very good at her work – making everyone else's work better, with a firm hand yet a light touch; those sound like they don't go together, but they did for Diane. A little shy, but also very warm. She had a wonderful smile and a delightful sense of humor, and she made every work meeting and especially every social gathering more fun. She was a friend and a great work colleague."

Writes Donna Wilson, "I remember Diane as being kind and very intelligent. Plus she brewed a mean cup of tea!"

David Dunagan says, "What a classy woman! She had such a feel for people and a mastery of her craft. Of all her strengths, though, I remember mostly Diane's sensitivity to people and her deep-down kindness."

## LANE WEINBERG

Lane Weinberg passed away on January 18, 2022 in Salem, Oregon. When he retired in 2007 from CH2M after 35 years he and his wife Nancy returned to Salem to enjoy an easy life with family and old friends.

Lane continued riding his BMW motorcycles across the western states and Canada. In 2010 he bought his third BMW bike, which is still stored in Heidelberg, Germany. The next 7 years were spent riding the roads in Europe and England and Ireland and North Africa with Nancy sitting behind him. They were able to hit most places on his bucket list, including attending the TT races on the Isle of Mann and riding the Italian Alps. Over the years he rode more than 350,000 riding miles.

Lane is survived by his wife Nancy of 53 years, their four children: Lane, Christopher, Gretchen, and Patrick. He is also survived by four grandchildren, one brother, and four sisters.



## JUDITH KAY SAILOR



Judy Sailor passed away on April 29, 2022, after a brief battle with esophageal cancer at the age of 77. She was born in Corvallis to James and Harriet Lakie. She graduated from North Salem High School in 1963. She then attended Western Oregon State College in Monmouth.

Judy met her husband of 57 years, Michael Sailor (who worked for CH2M for 24 years), on a blind date in July 1964 while she was working in Portland. They were married on November 26, 1965. Since 1966 they have lived in Corvallis except for 3 years in Southern California from 1978 to 1981.

Judy enjoyed traveling whenever she could. During the 1980s she worked as a travel agent for a local business. This provided a handy excuse for her frequent visits to her favorite island of Maui. Washington, DC, and the surrounding historical sites were also a favorite of hers.

Another joy was spending time at their vacation home in Eagle Crest Resort near Redmond, Oregon. Grandchildren were frequent attendees at the Eagle Crest house. Winter or summer, Judy thoroughly enjoyed the house and surrounding area.

OSU football, basketball, and baseball were lifelong passions of hers. Judy started attending football and basketball games very early in her life beginning in 1944. Most of her family and close relatives have attended OSU.

Judy's extended family was her main strength and in return she unwaveringly supported all the family's activities. Her children's education and sports activities were closely followed and greatly enjoyed from kindergarten through college. Judy was called "tutu" by the grandchildren and she greatly appreciated the name. This is the Hawaiian word for an adoring grandmother. Judy was most happy during family gatherings around the holidays.

Judy is survived by her husband of 57 years Michael; as well as three of her four sons.

Says Jerry Boyle, "We'll always remember Judy for her sunny smiling demeanor and all the fun times we spent with them during our time in Corvallis. Mike was the third crew on our sailboat when we raced it on Fern Ridge Reservoir over many summer days. Great memories. Judy was such a special person and will be dearly missed. Our thoughts and prayers are with Mike and her dear family."

Says Rick Luebbers, "I first met Judy in Anacortes, Washington, in 1971 when Mike, along with Mike Harris, Jim Black and myself, were all working at the Texaco refinery. She was always full of life and would brighten up any room. May she rest in peace."

Says Gordon Koblitz, who attended Judy's service, "It was a heart-felt beautiful service attended by family and friends in the Reser Stadium Toyota Club with most everyone attired in OSU regalia, as suggested. Mike did an amazing job with Judy's eulogy, while a lifetime of family slides were shown on screens in the background. The memories and tributes portion brought forth smiles, laughter and tears as family members and friends shared their stories of how Judy impacted their lives. I was very thankful to attend and share time with Mike."

## JOE STOWE



Joseph Cullen Stowe, Jr., passed away Friday, May 27, 2022. Joe was born in Bennettsville, South Carolina, on July 6, 1944, and grew up in Hamlet, North Carolina. He was the son of the late Joseph Cullen Stowe, Sr. and Minnie Scott Stowe.

Following graduation from Hamlet High School, Joe attended North Carolina State University and earned a degree in mathematics. Joe spent 53 years in the utility industry. He was a plant superintendent and utility director in several places, ultimately serving as Director of Utilities for the Charlotte Mecklenburg Utility Department from 1982 – 1993 before entering the private sector as a utility management consultant. His awards and accolades are numerous, and his impact on the utility industry was immense.

He prided himself on working with and mentoring other utility professionals and served on the executive boards of several regional, national, and international professional organizations. In 2000 – 2001, he was the president of the Water Environment Federation (WEF). In this capacity he traveled the world with his wife, Kay, to help protect water supplies and public health. In recognition of a lifetime of service to the water and wastewater industry and its people, WEF named him an Honorary Fellow and Charlotte Water named the Stowe Regional Water Resource Recovery Facility after him, currently under construction in western Mecklenburg County.

Says Michael Mynhier, "Joe was the Director of the Charlotte-Mecklenburg Utilities Department during our initial work on the McAlpine Creek Wastewater Treatment Plant in 1983. He joined CH2M in 1993 in the Water Group and served as manager of the Charlotte office and senior CSM for many years. He was president of WEF, 2000-2001, during his employment with us."

Adds Bob Chapman, "I never had the pleasure of meeting Joe. But through by interactions with others in our Utility Management Group I heard a lot about what a sterling individual he was."

Above all else, Joe was a husband and a father. He married Kay, his high school sweetheart, in 1966 and doted on her for the 53 years they were married. Joe was a loving father to his three sons. He loved to spend time with his family at Lake Junaluska in western North Carolina. His favorite activity was doing nothing, except for walking around the lake across the dam bridge, spending time with friends, playing tennis, hiking, eating, doing puzzles, and playing board games (but mostly doing nothing).

Joe was a committed member of Providence United Methodist Church in Charlotte. Among other activities, he taught Sunday School, served on many committees, and was a Stephen Minister.

Joe is survived by his sons, Jay and his wife, Elaine of Jacksonville, FL, Jim and his wife, Kristin of Matthews, NC and Graham and his wife, Jen of Buffalo, NY; four grandchildren, Emma of Lexington, KY; Caroline of Matthews, NC, and Hank and Sam of Buffalo, NY and sister, Myra Stowe Jackson of Burlington, NC. He was preceded in death by his beloved wife of 53 years, Catherine Conner Stowe, and two granddaughters, Lucy and Margaret Stowe.

### JOHN HOLLAND MORSE



On Saturday, June 25, 2022, John Holland Morse, 55, passed away. He was born in Charleston, South Carolina, to John Cullis Morse (Jack) and Erma Holland Morse. He earned a BS in civil engineering from the Citadel (Class of '89) and was an engineer/owner with ATCS.

In addition to civil engineering, he also studied at multiple Southern Baptist seminaries including Southeastern Baptist Theological Seminary, Southwestern Baptist Theological Seminary, where he earned a Master of Divinity, and The Southern Baptist Theological Seminary, where he earned a Master of Theology. He was ordained at Fort Johnson Baptist Church in 1994. A natural teacher, John selflessly used those gifts and served wholeheartedly throughout the years in many capacities, especially in service to his beloved Stevensburg Baptist Church.

John is survived by his wife of 25 years, Katherine, and his children: Jackson, Cooper, Sullivan, Hampton, Walker, and Caroline, all of Culpeper, Virginia.

Says Terry Sheldon, "I hired John for a wastewater project in Louisville, Kentucky, while he was on the road to Louisville to go to Southern Baptist Theological Seminary. He worked for CH2M for several years doing water projects and then moved to the WDC office successfully leading several large public-private partnership/design-build transportation projects that included I-495 south side reroute and improvements, I-95 hot lanes project and Transform 66 corridor around WDC. John and I used to train construction management staff in-house and for several clients around the US. He was a lot of fun to work with. Several years ago John left CH2M / Jacobs and went to work for ATCS as an owner of that firm. He is a huge loss to ACTS and to the whole Northern Virginia/Maryland Transportation Industry."

**IMPORTANT NOTE: Our only resource regarding the passing of any retiree, alumni colleagues or their spouses comes from our members or newsletter readers.** Please forward their name, obituary or the family's contact information to [CH2MHILLaa@gmail.com](mailto:CH2MHILLaa@gmail.com) or [gkoblitz1@outlook.com](mailto:gkoblitz1@outlook.com) so we may respond or contact them. Thank you!! Thanks to the many of you who shared information regarding the loss of our current cherished alumni shown above.

## Travelogues

We've heard from many folks about their travels in the past, and thought we'd add this section to make it easy for you to highlight your special trips and photos. Of course, the COVID-19 pandemic again changed most everyone's travel plans. Many folks we heard from have postponed their trips beyond 2022. Please keep this spot in mind and send your future highlights to Angie Kruse ([scarlet.study415@gmail.com](mailto:scarlet.study415@gmail.com)) or to Gordon ([gkoblitz1@outlook.com](mailto:gkoblitz1@outlook.com)).

### VACATION SLIDESHOWS – NAGS HEAD, NORTH CAROLINA; YELLOWSTONE, GRAND TETONS

By Al Aikens ([alaikens3@gmail.com](mailto:alaikens3@gmail.com))

Here are some slideshows from recent travels. One is from the Elizabethan Gardens at the Fort Raleigh National Historic Site, and the other is from the Bodie Island Lighthouse. These are from our (Sandy and me) visit to Nags Head last summer. It was a needed getaway. The trip was a balancing act between being with Sandy, and taking some photographs. We found a dive fish sandwich shop and a dive NC BBQ joint that had some of the best of both genres that we've had. Local color, what could be better! Click [here](#) to see Elizabethan Gardens. Click [here](#) to see Bodie Island Lighthouse.

Here are more slideshows from my trip to Yellowstone and Grand Tetons National Parks last fall. [Here](#) is a set of pictures of bison from Yellowstone. [This slideshow](#) is of pronghorns in the northern part of Yellowstone. You'll see that the pronghorn does and fawns are just as cute as the dickens. Click [here](#) for a series of panoramas taken at various places in Yellowstone. And [here](#) is another slideshow of some closeup photography near and around our house.

### TED'S TALES AND TRAVELS: ECUADOR AND GALAPAGOS ISLANDS - AN EXCURSION TO REMEMBER! – SEGMENT #2 – TOURING SEVERAL OF THE GALAPAGOS ISLANDS

By Ted Downen ([ted.downen@gmail.com](mailto:ted.downen@gmail.com))

A year ago (hard to believe it's been that long), I submitted the first of two articles about our excursion to Ecuador and the Galapagos Islands that we did in May of 2021. That first segment focused on the sights we saw in Quito and surrounding highlands of Ecuador. Then, in the January 2022 CHAA Newsletter, since I forgot to get the article ready, I composed a short "teaser" about this Segment #2 regarding the islands. I wanted to mention this, so that, although it wasn't completed, it would be ready for the July 2022 edition. Well, tah dah – we've made it!



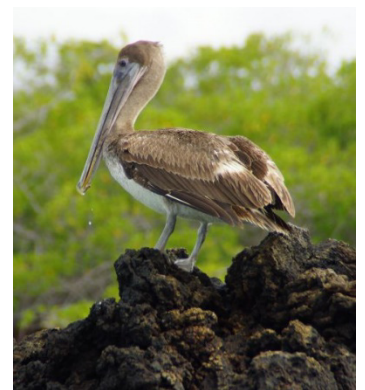
*Island transportation and accommodation.*

This second segment of the tour started on day six of our overall Ecuador/Galapagos adventure.

Again, our tour group was small (17 of us including our hosts and naturalist guide), so that made it very comfortable and accommodating to see the sights.

To read Ted's full travel article, click [here](#).

*(Note: If you would like to see more of photos I took, just send me an email and I'll reply with the links to the photo galleries in my SmugMug photo archiving site. Also, if you might be considering such a journey, contact me and we can chat about our adventure and options.)*



*Wildlife around Black Turtle Cove.*



## OUR VIKING NON-CRUISE OF THE VIKING HOMELANDS

By Gordon Koblitz ([gkoblitz1@outlook.com](mailto:gkoblitz1@outlook.com))

Like many, our 2022 summer vacations became a reality after a 2-year delay due to the pandemic. We were packed and all the COVID tests were taken (negative 😊), and we were off to Stockholm for a 2-day pre-boarding visit to see the city sights. We stayed in the Old-Town area, which was convenient to all the major sites via easy walks, buses (on/off) and water taxis (on/off). Most enjoyable and a must see event is the Vasa Museum (<https://www.vasamuseet.se/en>), which we covered the second day. The ABBA museum was another highlight for me!

We had our mandated COVID test (negative) the day before boarding the ship and another as we boarded the ship about noon. We settled in our room, ate lunch in a great café and toured every deck on the ship (while masked). As we were getting ready to meet our traveling buddies who were arriving later, I picked up an incoming call about 6 pm. It was the ship doctor who informed me that my noon test was positive and don't leave our room. The doctor also told me to pack my bags and they will come to the room to take me to an isolation room (cell 😞). Three fellows arrived in full hazmat gear, one took my bags, I followed the doctor, and the third followed, spraying disinfectant on the hallway floor and walls. Yikes!

Mary met with our traveling buddies for dinner lamenting my plight. I ordered dinner, which was delivered to my "crew-size" room in a restricted area, of course, while thinking about my options: stay on board under 10-day isolation, or get off and stay in local hotel but with a 5-day isolation. That decision was made much easier when morning came and my buddy Tim had the same experience of testing positive! What were the odds of that when we traveled independently? Anyway, the four of us were carted off the ship to an Old Town hotel where we each had our own room.



Both our ladies tested negative, so I coordinated with Viking for a flight for Mary to get back to Dallas-Fort Worth. She flew back 2 days later. Tim and I tested negative for the following days and never had any typical COVID symptoms. Stockholm is a beautiful city and was open (no masks required), but we wore masks to exit the hotel by a side door to an alley, and if we went inside buildings we were masked. We took the COVID tests every day (all negative) and lined up our flights to fly home. A disappointing end for what was to be a new experience on a Viking ship versus the river cruise size. We believe Tim and I both picked up an Omicron variant during our travels to Sweden.

The good news (now) for us and others thinking about cruising. Just weeks after our return, the U.S. dropped the negative test for any citizen to return home, and Viking and most cruise lines have dropped the mandated daily tests on board. We made our Trip-Mate claim and recently received our Viking travel voucher for future travel. All our expenses were covered (always purchase travel insurance) by Viking except the airfare. And, after all that, we have a Viking Antarctica trip scheduled for this coming January.

## MISSING IN ACTION

This is another big push for CHAA to seek your help in connecting with some folks without current email addresses or contact information. Many times it just may be a change in their email address. We've been successful with our last few MIA searches and found several folks each time who are now reconnected with us again. Thank you to the folks who helped us find them!!

We hope this batch will do the same with the legacy employees who have retired. Rather than keep recycling the same list, we'll give this new batch (with a few familiar repeat names) a chance to reconnect. As with most of the names from the January issue, the remaining names will be put on hold for follow-up by other means. For this July issue, our MIAs are:

Matt Alvarez  
Steve Armbrust  
Patricia Bourdage  
Mark Bowen  
Ephieum Charley  
David Green  
Michael Guthrie  
Leslie Howell

Jon Jacobson  
Katherine Jory  
Steve Lackey  
Jong Wook Lee  
Carol Littge  
Rudd Little  
Gary Liu  
Steve Marske

Tom McLean  
Bill Missilin  
Marvin Murray  
Doris Powers  
Kathleen Reyes  
Jamie Robinson  
Robert Schmidt  
Mary Schoenberger

Tricia Shular  
John Spitzley  
Maxine Stangler  
Michael Stansbury  
Joseph Waller  
Daria Wightman

An added thought: If you have a LinkedIn account, perhaps you could help us find some of our missing colleagues you know of by reaching out via LinkedIn and obtain their email address so we can follow-up. Any assistance would be greatly appreciated! Please respond to [donmarske@gmail.com](mailto:donmarske@gmail.com) if you have any information. Thank you!!

## Tidbits

**Don Marske writes:**



On May 6, the Southern California (SCO) Geezers resumed their luncheon get-togethers at the Stonefire Grill in Fountain Valley. It was a nice gathering with some new faces and some reunions of folks who haven't seen each other in 15 years. There was also the usual sharing of retiree aches and pains, and hearing of the youngsters of families who are now graduating college. All in all, a fun time by all. Thank you, Susie Gaare, for making it happen!



**Bill Bellamy writes:**

I am currently a professor of practice at the University of Wyoming, working in the civil environmental department. I am also doing some small jobs as a consultant. I am enjoying fishing and golf in Wyoming during the summer, while Cheri is a volunteer at the local museum in Laramie.

The grandchildren recently visited me for my birthday. Of course my three children had to accompany them. Since this picture was taken, I have two more, for a total of seven grandchildren and I am informed by all that this is the family limit! Much our time is involved with visiting our grandchildren in North Carolina, Virginia, and Wyoming.



*Bill and five of his grandchildren.*



*Bill and Cheri in Thailand.*

**Bob Chapman writes:**

Meredith and I had dinner and a great visit with Bob Pailthorp last week. He is living at a very nice Assisted Living facility in Lake Oswego Oregon these days.



**Gordon Nicholson writes:**

Catching up with John and Genevieve for dinner while in Corvallis, September 1, 2021. Just completed reading the January newsletter, which prompted me to forward this photo. As always great job on the newsletter. My thanks to you and all the others who pull it together; no small task I'm sure!





**The Denver artifact recovery team has been hard at work, poring over boxes of CH2M historical documents before shipping to Dave Evans to include on the CHAA website.**

Dave Evans notes that the crew of Jeff Mather, Dave Ellison, Les Melhorn, and Rod Brauer pared 33 or so boxes down to just 14 in about 2 hours. Kay Cline/Denver was also super in her support and Dave Evans helped via zoom with what was important to keep.

Rod Brauer says: “Dave – probably the most fun that I’ve ever had unpacking boxes! No matter where we go, we all know that we worked for the greatest engineering consulting firm ever. Great to see you, Dave, Jeff, and Les.

Jeff Mather adds: “Amen to ‘the greatest engineering consulting firm ever,’ and you are the people who made it great. It was great to see and talk to you and Dave(s). I see Les all the time: he, like you, is a current engineer worker. As noted during sorting of documents, I’ll try to schedule us together for a lunch where we can swap stories. Just need to schedule in between my skiing and traveling...and I suspect your schedules are just as challenging. Kay and the mail room crew could not have made it easier. I am impressed.”

**Don Marske writes:**

Maui was paradise. It was a great two weeks. Sharing a little of our walking beach including my fearless crab catcher, Joan. 😊



## Feedback/Kudos

We love hearing from you! Thanks to all who have sent in their comments. If you have comments, ideas, suggestions, please send them to [gkoblitz1@outlook.com](mailto:gkoblitz1@outlook.com). Here are a few recent comments:

**Jory Abrams writes:**

Great issue. Love the content, the new look. Well done and thank you for all you do for the CHAA.

**Tim Shea writes:**

Thank you for the wonderful alumni journal that you'd your team produce.

**Ray Yep writes:**

Gordon, what a great job you do with the newsletter! I noticed a few articles from info that I have sent along. I hope to be a more active participant and to use some of the emails that you have included to reach out to old friends/colleagues. Thank you so much!

**Steve Wanders writes:**

Hi, Don. We all appreciate all the work you guys are doing for the CHAA! Looking forward to seeing you here in Atlanta this fall!

**Apple Jacobs (Bob Jacobs' widow) writes:**

Hello Gordon and Don, thank you for your email. I'll enjoy reading the newsletter. Thank you for all you do for us.

**Mike Morrison writes:**

Don and Gordon, thanks, Don for your fantastic editing! I have no suggestions. Gordon, I appreciate the offer to reach out to some of the alums who have some information on file. This kind of teamwork reminds me one more time what great cohorts, peers, colleagues, co-workers and yes, friends we all had in the glory days of CH2M. Thanks, guys for your help and support!

**Jackson Liu writes:**

Don - Big Mahalo to you and the rest of the Alumni Association for keeping the website going. I was able to download a digital copy of the "Little Yellow Book".

**Vern Nelson writes:**

My pleasure to renew, Don. Lots of great memories of super people doing great things and having fun doing it!

**Pat Klampe writes:**

You guys continue to a great job! Have a great Reunion this fall!

**David Bennion writes:**

Bob, thank you for your commitment and efforts to continue to work with the CH2M Alumni organization and your thoughtfulness in getting the WWII vets information for the people in our firm to their relatives.

## Jacobs Pension Service Center News

Jacobs' Consolidated Pension Plan Service Center number (by Willis Towers Watson) is 888-482-6632 or [www.eepoint.com/jacobs](http://www.eepoint.com/jacobs) for assistance.

For any other inquiries, please contact Jacobs HR and Global People services at the following e-mail: [JACOBSHRUS.CAN@jacobs.com](mailto:JACOBSHRUS.CAN@jacobs.com).

## Jacobs News

Some of the following selected stories tie in connections from work with previous CH2M clients. WE encourage our readers to check the Jacobs company website for the latest project wins and related news:

<https://www.jacobs.com> for general information

<https://invest.jacobs.com/news/default.aspx> for latest project wins

### JACOBS TO DESIGN CHANGI NEWATER FACTORY 3

Jacobs was selected by PUB, Singapore's National Water Agency, to design and supervise construction and commissioning of the Changi NEWater Factory 3 (CNF3), the third NEWater plant to be located at the Changi Water Reclamation Plant (WRP) and one of the world's largest and most advanced water reclamation plants.

CNF3 will be one of the first reclamation plants globally to use membrane bioreactor (MBR) filtrate to feed reverse osmosis (RO) membranes. Using MBR will improve the quality of treated used water for NEWater production and prolong the life of RO membranes. CNF3 will incorporate water technology firm ROTEC's proprietary reverse osmosis flow reversal technology (FR-RO) into the design of the RO system to increase the recovery rate of NEWater from 75% to 90%.

"Using a holistic, integrated approach not only helps Singapore address its water needs but offers possible solutions for other countries around the world facing similar water security challenges," said Jacobs Chair and CEO Steve Demetriou. "The CNF3 project is yet another way Jacobs is addressing climate response and sustainability through innovative design."

Design of CNF3 is underway and construction is expected to begin later in 2022, with the plant expected to be completed in 2024. CNF3 will be owned and operated by PUB.

FR-RO technology has also been incorporated into the design of the mega Tuas Water Reclamation Plant, which has an integrated NEWater plant, where Jacobs and ROTEC collaborated for the first time after a successful demonstration project between PUB and ROTEC. Both CNF3 and the NEWater plant at Tuas WRP will produce NEWater by passing MBR filtrate through reverse osmosis and ultraviolet light disinfection.

NEWater is one of Singapore's Four National Taps and a resilient water source. Jacobs was PUB's delivery partner for Changi WRP Phase 1, which opened in 2009, and is currently working with PUB to deliver Changi WRP Phase 2 expansion using MBR technology.

"We are delighted to continue our working relationship with PUB and Jacobs by incorporating ROTEC's proprietary flow reversal technology into the design of CNF3," said ROTEC CEO Dr. Noam Perlmuter. "Maintaining sustainable flux through RO membranes by inhibiting mineral scaling and limiting bio-fouling potential is the key to reducing energy consumption and maximizing water recovery. This is good for PUB, Singapore and the planet."

### JACOBS TO ENHANCE DECARBONIZATION OF WATER TREATMENT PROCESS FOR SINGAPORE'S PUB

Jacobs was appointed by PUB, Singapore's National Water Agency, to provide professional engineering services for the development of the new greasy waste (GWTF) and food waste treatment facilities (FWTF) to maximize energy and resource recovery at the Changi Water Reclamation Plant (CWRP).

To be co-located with the CWRP, the new facilities will boost Singapore's waste treatment capabilities while harnessing synergies from co-digesting greasy waste, food waste and used water sludge – a by-product of the water reclamation process – to increase biogas yield. The additional biogas can be used for electricity generation to power CWRP, thereby reducing its carbon footprint.

Jacobs will provide preliminary and detailed design and engineering services for the new GWTF, as well as site supervision during construction, testing and commissioning of the project. Jacobs will also conduct the preliminary design study for the FWTF and will review additional modification works to the existing facilities at CWRP to support the co-digestion process.

"With the addition of treatment facilities at Changi and also Tuas, Singapore's greasy waste treatment capacity is expected to double by 2025," said Jacobs Asia Pacific & Middle East Senior Vice President and General Manager Keith Lawson. "The project will meet the nation's long-term needs and help decarbonize the water treatment process. We're excited to continue our partnership with PUB in delivering forward-looking technologies that bring climate response to the forefront of the water treatment process. And in the process, we are combining our knowledge, experience and lessons learned from both CWRP and Tuas Water Reclamation Plant to deliver the best outcome on this project."

When completed, the GWTF will treat up to 12,000 cubic meters of waste a month – the equivalent of over 75,000 barrels of oil product.



## JACOBS AWARDED \$3.9B ENGINEERING AND SCIENCE CONTRACT AT NASA

Jacobs was awarded the JSC Engineering, Technology, and Science (JETS) II contract at NASA Johnson Space Center in Houston, Texas.

Jacobs is scheduled to begin contract transition on August 1 to continue providing engineering and scientific products and technical services for NASA at Johnson Space Center (JSC). The contract maximum value is estimated at approximately \$3.9 billion over 10 years, including a 5-year base period, two 2-year option periods and one 1-year option period.

“Throughout our 50-year partnership with NASA, Jacobs has shared the agency’s commitment to advancing space science and exploration,” said Jacobs Chair and CEO Steve Demetriou. “The JETS II contract builds on more than 17 years of continuous support at JSC – a key component of our NASA portfolio, which includes nine locations across the agency. With this latest award from our JSC customer, Jacobs remains well positioned to support the future of human space exploration.”

Under this contract, Jacobs will provide engineering design, development, sustaining engineering, analysis, assessment, technology development, test services and laboratory/facility operation and maintenance for the JSC Engineering Directorate. Jacobs will also deliver planetary missions research, physical science research, astro-material curation and laboratory/facility operation and maintenance for the JSC Exploration Integration and Science Directorate, as well as engineering and related services for other organizations at JSC and other centers and government agencies.

“JSC plays an integral role in both current and next-generation exploration and science programs,” said Jacobs EVP and President of Critical Mission Solutions Steve Arnette. “Our commitment to providing efficient and innovative solutions through the JETS II contract will support NASA in furthering our knowledge of the universe while creating a more connected, sustainable world.”

The JETS II contract extends Jacobs’ continuous partnership with JSC that dates back to 2005. As NASA’s largest services contractor, Jacobs is a provider and integrator of full lifecycle aerospace solutions, including design and construction; base, mission and launch operations; sustaining capital maintenance; secure and intelligent asset management; and development, modification, and testing processes for fixed assets supporting national government, military, defense and NASA, as well as commercial space companies.

## ARTEMIS I ROLLS TO LAUNCH PAD FOR THE FIRST TIME



Jacobs supported NASA rolling out the Artemis I rocket from the Vehicle Assembly Building (VAB) to Launch Pad 39B at NASA’s Kennedy Space Center (KSC) in preparation of final prelaunch tests of the Space Launch System (SLS). Artemis I, a flight test of the most powerful rocket NASA has ever built, will be the first mission in NASA’s new deep space human exploration program, which aims to land the first woman and the first person of color on the moon and establish sustainable exploration in preparation for missions to Mars.

While at the pad, NASA’s Exploration Ground Systems (EGS) and Jacobs teams will conduct the Wet Dress Rehearsal (WDR), which involves filling the SLS core stage with cryogenic fuel and monitoring thousands of sensors and special instruments of the ground and flight hardware systems to capture performance data. The launch control team will conduct a full launch countdown during WDR, taking the count down to just seconds before liftoff.

“This is the final test of the systems before we launch Artemis I where the uncrewed Orion capsule will travel further from Earth than any human spacecraft has ever gone,” said Jacobs Executive Vice President and President of Critical Mission Solutions Steve Arnette. “Watching the 322-foot rocket stack roll out of the VAB was a thrilling moment for our team, who are committed to providing integrated solutions in support of the agency’s mission and the nation’s space program. Jacobs’ employees at multiple NASA centers, along with their NASA and industry counterparts, have been steadily working – despite the ongoing challenges of the pandemic – toward this goal, and this final milestone signifies that the launch is within sight.”

Following the WDR, the team at KSC will roll the entire skyscraper-sized stack atop the mobile launcher back to the iconic VAB.

As the Artemis prime contractor at KSC for NASA's EGS program, Jacobs is responsible for receiving all SLS and Orion flight hardware, assembling and integrating all the components, conducting final test and checkout, transporting the vehicle to the pad, then helping to launch it on the mission.

### JACOBS WINS TWO UNITED STATES AIR FORCE DESIGN AWARDS

Jacobs was awarded two U.S. Air Force Design Awards for benchmark work with the natural and built environment of Air Force facilities and installations.

The Air Force Reserve Command – Consolidated Mission Complex Phase One at Robins Air Force Base, Georgia – won the Merit Award for facility design. The jury recognized the project for the team's incorporation of strong exterior elevation through vertical and horizontal design elements, translating to a testament of American heritage. They also noted the impressive two-story lobby, presenting an innovative design and showcasing Air Force Reserve Command history and heritage artifacts. The sustainable designs blended legacy with sustainability, including optimizing energy performance through daylighting, exterior and interior shading devices, water-reducing fixtures, and adjusting mechanical systems to reduce air usage.

The Distributed Common Ground Station Operations Center at Beale Air Force Base, California received the Citation Award for facility design. The jury commended the team on their column-free Operations Floor design that allowed for the flexibility of the space needed to keep pace with operational mission rhythm. They also noted the use of sustainable techniques, such as using electrochromatic glass to achieve a 12% increase in energy efficiency beyond the industry standard. Other methods supported low-impact site development, water and energy efficiency, use of recycled and recyclable materials, indoor air quality and occupant comfort – all features that helped the facility achieve significant energy utilization and a LEED Silver Certification that is unique for this building type.

"These projects and recognition exemplify our commitment to the unique design excellence needed for these facilities to support their 24-hour critical global missions while improving the quality-of-life and reducing the stress for service members around the world," said Jacobs Federal & Environmental Solutions Senior Vice President and retired USAF Major General Tim Byers. "By leveraging cost control, energy efficiency, functionality, resiliency and sustainability, we are creating built-to-last designs that support the mission of the Air Force for years to come."

### JACOBS AGAIN RECOGNIZED FOR ENVIRONMENTAL AND CLIMATE CHANGE LEADERSHIP

Jacobs has been recognized by Environmental Business International (EBI) with six business achievement awards in 2021 for leadership and outstanding performance in sustainable business practices, greenhouse gas (GHG) mitigation, climate change adaptation and resilience, climate technology, climate response and sustainability consulting, and the company's STEAM education program.

**Industry Leadership: PlanBeyond<sup>SM</sup> 2.0** – Jacobs' sustainable business approach, planning beyond today for a sustainable future for everyone. The enhanced plan – version 2.0 – is Jacobs' companywide foundation for what sustainability means to our clients and the planet.

**Advancing Best Practices: GHG Mitigation** – Expo 2020 Dubai was a World Exposition hosted by Dubai in the United Arab Emirates. Jacobs, in a joint venture with Mace, served as program management consultant, with responsibility for delivering the program and integrating sustainability into all aspects of the Expo.

**Project Merit: Climate Change Adaptation & Resilience** – the Broadland Flood Alleviation Project was a unique 20-year scheme, initiated by the U.K. Environment Agency in February 2001, to improve and maintain 240 kilometers (149 miles) of flood defenses within one of Europe's most important wetland areas to mitigate rising sea levels.

**Information Technology: Climate Risk Manager** – Jacobs' cloud-based platform brings together global climate data and location intelligence, providing clients with visual risk assessments so they can make faster and more accurate decisions on where to invest resources and guard against climate impacts.

**Mergers & Acquisitions: PA Consulting** – on March 3, 2021, Jacobs accelerated its growth strategy as a leading technology-enabled solutions provider by acquiring a 65% stake in PA Consulting, a U.K.-based innovation and transformation consulting firm, which operates at the intersection of environment, strategy, technology and regulation, with a focus on energy, water, carbon, circular economy, products and packaging.

**Social Contribution: STEAM Butterfly Effect** – In 2021, Jacobs launched its global Science, Technology, Engineering, Arts and Math (STEAM) education and engagement program to further advance the company's commitment to equality, inclusion and diversity.

The awards were presented at EBI's Environmental Industry Summit XX in San Diego, where Jacobs was acknowledged for its contributions in addressing the planet's environmental and climate change challenges.

## JACOBS LAUNCHES NEW CLIMATE ACTION PLAN AND CLIMATE COMMITMENTS

Jacobs sets out ambitious new climate commitments in its updated Climate Action Plan in celebration of Earth Day 2022. Two years since Jacobs launched its first Climate Action Plan, the company's updated plan further commits to ensuring every project becomes a climate response opportunity, to achieving net-zero greenhouse gas emissions across the value chain by 2040, and to maintaining carbon neutrality status and 100% low-carbon electricity for operations.

Jacobs achieved its previous climate commitments in 2020, becoming carbon neutral for its operations and business travel and adopting 100% low-carbon electricity. In addition, the company recently became the first professional consultancy and one of the world's first companies with net-zero targets approved by the Science Based Targets initiative (SBTi). The SBTi's Corporate Net-Zero Standard, published in late 2021, provides businesses with a consistent definition of the term "net-zero" and how to achieve it – a world-first corporate standard on net-zero.

"Our Climate Action Plan charts our next phase of climate mitigation and adaptation commitments, which builds on the progress we have made since the release of our initial plan on the 50th anniversary of Earth Day in 2020," said Jacobs Chair and CEO Steve Demetriou. "As an industry-leading global solutions provider focused on ESG, our greatest opportunity to address climate change comes through the sustainable, resilient and nature-positive solutions we co-create with our public and private sector clients around the world."

In the last year, Jacobs introduced carbon pricing for its corporate business travel, and a Climate Solutions Accelerator course designed to educate all 55,000 employees on climate change and the role they can play in climate response. It also published a climate risk and opportunity assessment in line with guidelines issued by the Taskforce on Climate-Related Financial Disclosures (TCFD) and improved its corporate ESG ratings. The company was included in the Dow Jones North American Sustainability Index in 2020 and 2021 and has also been recognized by Environmental Business International (EBI) with six business achievement awards for leadership and outstanding performance in corporate, environmental and climate change work in 2021.

Jacobs recently elevated Climate Response as one of three core accelerators within the 2022 to 2024 company strategy – aligning positive societal impact with long-term business growth, and placing significance on the delivery of holistic, integrated, end-to-end solutions for energy transition, decarbonization, adaptation and resilience and natural resource stewardship.

To deliver on this strategy, Jacobs has established an Office of Global Climate Response and ESG, designed to deliver on climate action commitments through innovative solutions for both clients and stakeholders.