

The Cable

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DIRECTOR'S CORNER

Jim Donovan

Greetings and Aloha from Virginia Beach, shipmates! We've finally gotten around to publishing another *Cable* newsletter. I'm hoping you'll find this edition entertaining and informative. We've taken several of your suggestions and included them here. I was hoping to publish more than one or two newsletters per year, but we just don't have the material or input. Please consider submitting an article for future publication.

Quick update on the Donovans: I'm still fully retired and about 70 percent complete in a second graduate program (Public Administration) with Troy University. I'm interested in working for a local non-profit organization (Make a Wish Foundation; Operation Smile; Boy Scouts of America; etc) "if" and when I do return to the workforce. My wife, CAPT Kathy Donovan, USN departed in October for a 12-month deployment in the CENTCOM area of operations. She holds a significant position in a very volatile area. Please keep Kathy and all of our troops in your thoughts and prayers.

It was my honor and pleasure to see many of you at the IUSS 55th Anniversary in September. More than 300 attended the gala event at the Waterside Marriott in downtown Norfolk, Virginia. We received many compliments and a few suggestions for improvements at the 60th reunion which will be held in 2014. I want to take this opportunity to thank the many IUSSCAA members who donated money to the 55th event. In all, this association raised more than \$5K, which was used to

reduce the cost of dinner tickets and purchase centerpieces, programs, and coins. We also used a portion of the donations to pay for the dinner tickets of ten active-duty Sailors.

Active membership in the IUSS-CAESAR Alumni Association has grown significantly since our last issue of **The Cable** with 76 new applications. Be sure to check out "People News" at the end of this edition. Unfortunately, during the same period 18 members of our IUSS community have passed on, while 150 former IUSSCAA members failed to respond to repeated requests for updates and/or payment of dues. Their names have been removed from our active rolls. Active members may check their status on the Membership page of our website. We still have the same crew managing the association. In addition to myself, Jack Holdzkom, Rick Matthews, Russ Lownie, and Ellis Sutter manage the membership, the website, and somehow manage to pull this newsletter together. We're always looking for additional assistants or volunteers. If you'd like to help please let us know.

This issue of *The Cable* wraps up stories from Pacific IUSS. We offer our appreciation to John Byron, Mike Hein, Lou Haskins, Ed Haven, Ed Smock, and Beth Sokolowich for their contributions.

I wish you a blessed and safe holiday season and a wonderful new year in 2010.

Best regards, Jim

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SOSUS

– The Early Days On The West Coast –

(Part 2 of 2)

*John Byron,
Captain (& former Chief Sonarman) USN (Ret.)*

System Operations At CVB 1958, 59 (cont.)

Grams And Photos

SOC George Anson was the Ops Department leading chief and went to work as a day-worker supervising the general administration and training of the department (good guy and lifelong friend). After I qualified as a reader and watch supervisor, George took me on as a second day-worker. My primary duty was to wrangle the grams we saved for correlation.

We had a whole kabuki for saving grams. ‘New’ contacts not seen before had their grams cut out, stapled to card stock, and filed in the reading room in big file cabinets next to the plotting boards on the back bulkhead. If the target correlated with something in the files, the correlation (time, date, bearings, etc.) was noted in the file of the original-contact grams and no additional grams needed to be saved unless they revealed something new about the target. The need for file space grew and using fragile grams was worrisome, so WECO convinced the Navy to shift to a photographic system. Nothing cheap about WECO (and their cost-plus contract): every station got a brand-new best-available Leica 35-mm camera and a camera jig for correct positioning to photograph grams. The jig was a truly elegant thing and probably cost more than a new car, but it served well and we shifted from actual grams to photos of grams for filing.

Next problem: we’re in the photography business big-time. George Anson took this on and he and I built a photo-lab darkroom from scratch in the windowless women’s head (no females – no need). We built a nice counter atop the hoppers and put all the developing gear there. Used the sinks ... as sinks. There was a learning curve, but George and I figured out the production process and I got skillful at loading the film rolls into the development tanks for the 35-mm film processing. ¹ Biggest challenge was getting the print process precisely right to produce gram photos of the exact right size to use for direct correlation against grams as the contact was printing. Purchase of a big drum dryer for the prints was the final touch and after a bit the daily processing of the previous day’s new grams was pretty easy and fairly quick.

¹ The skill I developed with the 35-mm development tank was later handy when I was in USS TROUT (SS-566) after we completed the last-ever diesel SpecOp in ‘75. Most submarine officers of that era got pretty good at handling Ektachrome at sea, as post-patrol briefings were best done with slides in that pre-digital time and skippers wanted to have the briefing in hand when they went ashore the first time after a run. Turns out I was better at screwing with film than anyone else in the TROUT wardroom ... who said SOSUS never taught you anything?

MILS Ops

The U.S. was experimenting with ballistic missiles in the late ‘50s and SOSUS was enlisted to produce some pretty precise hit data from the target zone. In ‘58 we had installed a pair of Sanborn recorders in the equipment room and these were wired through amplifiers directly to an individual hydrophone on each of our arrays. Cued to the launch and expected splashdown time, we listened (yes, on speakers) for the first sound arrival of the splash, turned on the appropriate Sanborn, and then stood out of the way as paper shot into the room at an incredible speed. 5 milliseconds covered about one centimeter of graph, so the paper was running about two meters a second. With the splash of the dummy warhead hitting the surface captured (and, some seconds later, a SOFAR shot at depth), we then laid out the Sanborn paper to plot out the true arrival time. It was an art, but pretty precise. Our times went with those reported from all the other stations in the pond into a big time-difference fix to come up with accurate splash data for the shot.

I don’t know how long these Missile Impact Locating Systems ops went on at SOSUS stations after I left – assume later many folks got better at it than George Anson and me. At some point, the responsibility shifted over to the missileers and they brought their own gear to the operation sans SOSUS. I circled back to MILS (and SMILS, the P-3/sonobouy version now the standard) in the early ‘90s when I took over Navy operations at Cape Canaveral and responsibility as the Director of Navy Tests on the Eastern Range for a total of 52 TRIDENT missile tests into the MILS/SMILS arrays off Ascension Island in the South Atlantic.

In the ‘50s MILS operations circulated the tale that a MILS SOFAR shot had produced the longest-ever acoustic detection in the earth’s ocean. A splash off Wake Island in the Pacific was detected at Bermuda SOSUS in the Atlantic at a shortest-probable-acoustic-path range of 18,000 NMs. Or so was said.

The Day The Signals Faded

In early 1959, E. C. Grubb started to become concerned with the signal data from our north array. The daily S/N ratio numbers showed something was happening and it was not in a good direction. Finally, one of the ETs opened the hydrophone termination box where the leads from the array hydrophones physically terminated to lugs inside the TEB. Holy Toledo! The wires were being pulled down into the hole, several lugs had pulled loose, and we had lost signals from perhaps half the hydrophones: the north-array cable was pulling away from the TEB.

We’d had several days of steady rain (hey, it’s Humboldt County in the winter). A trip to the beach found that the hillside had slumped and a small slide had pushed the concrete cable-termination slab over on its face and into the surf, where wave action threatened to pull it to sea. Many frantic phone calls later, WECO decided on a three-prong fix. First thing was to cut (jackhammers and torches) the cable loose from the concrete slab and this was done.



Centerville Beach Operations Department 1959 (minus watchstanders)

Next was to try to stabilize the hillside. In hindsight it did not look too smart to bulldoze smooth and vegetation-free the rough cliffside where the cables ran up to the TEB from the sea. New erosion gullies were formed and growing; the whole hillside looked ready to slide into the Pacific. The fix decided on was to plug the forming gullies with hay bales and to plant the raw clay with iceplants, which seemed to be nature's way of protecting the hillsides on either side of the cable run. Thus it was that I spent three days along with the rest of the station's people in the mud and rain manhandling hay bales down the slope and planting iceplants across the entire swath of the 420' cable run. Dawn to dusk and miserable. But it worked. The hillside was fixed and cable was stable.

The third fix was to do a proper cable termination at the TEB. CVB was built without a cable vault at the land end, the belief being that the cable-slab at ocean's edge would suffice. After this slab system failed, decision was made to anchor the cables at the TEB by digging a proper vault and then to lengthen the cables by splicing in another section inside the vault. Vault was dug and poured by a local contractor. Then WECO flew in its only cable splicer – there was one guy in the whole company certified to splice SOSUS cables.

Interesting guy. Blithe spirit. Great job security. Knew he was a unique talent. I was his escort inside the compound. E. C. Grubb told me to pay no attention to his work habits, just escort him. God's truth, the splicer brought in his tool bag, sat down on a chair next to the cable in the vault, and then took out a fifth of whiskey and proceeded to drink a fair share of it. With these initial (and, apparently, usual for this guy)

preparations out of the way, he then started splicing the cables. As I recall, it was a three-day job. Finishing his third fifth, the splicer packed up everything and left. The splice checked out perfect and – after about a month down – CVB was back in business.

“Your Bearing Impossible” And Other Submarine Stories

In June 1958, we knew that USS NAUTILUS (SSN-571) was in Seattle and departing the Straits of Juan De Fuca for transit to Pearl Harbor. We had tracked her up from Panama and we picked her up again as she entered deep water off our north array on her journey to Hawaii. But something started to go wrong with her track as we followed her. She hardened up on bearing 310 and stayed there. One turbine line, steady as a rock; one beam and no bearing change.

Our telling reports went in religiously. ComWestern started to get alarmed – they had the same prospective track info we did. NAUTILUS should have been continuing to the left and sweeping slowly across the beams but was not. Finally ComWestern reacted to our apparent errors with this terse message: “Ref your XXX: your bearing impossible.”

Our reply (again, God's truth): “Concur. What bearing would you like?” There followed some fussiness as the two watch officers involved tried to figure out who was senior and how to handle impertinence, but the end result was agreement that what we saw was what we saw and that's what had to be reported. We finally lost her.

Later we learned that NAUTILUS was on Operation SUNSHINE, her first attempt to trans-navigate the North

Pole, and was sailing under TS orders too classified to have ComWestern privy. We had lost her as she entered the Aleutians. She turned back after encountering shallows and ice she could not penetrate and transited to Pearl. Her next try, from Pearl in July, was successful.

As with all the stations, we had great luck with the first generation of US nukes. Noisy as three junkyards in series, these square-hull SSNs could be heard at great distances and we did track several of them in and out of Pearl. The diesels were a lot tougher – they had to be closer to detect and then only surfaced or hot-pipe – never did hear one on the battery submerged.

As a coordinated exercise, we had a unique opportunity to really get a refined look at USS DIODON (SS-349). By prior arrangement, she snorkeled directly over our south array. We put full vernier coverage on her and – with reconstruction – were able to tease out a total of 47 individual rotary noise sources on her (if her skipper had decided to shave with an electric razor, I think it would have been 48).

Another diesel we tracked was USS POMODON (SS-486), and she was to have a profound effect on this young sailor's life. She pulled into Eureka for liberty and her skipper invited CVB sailors to the ship for a tour. I'd been in a lot of boats at Key West (Sonar School classmates) and even spent a day at sea in USS BATFISH (SS-310), but I planned to leave the Navy at end of enlistment. The sonarmen in POMODON were very kind, showed me around, invited me to a steak-fry on the pier (local chef from a Eureka restaurant presiding), and generally reignited my interest in submarines.

George Anson and Del Tailor (our only CVB submariner) then piled on, convincing me to ship over for 6 years for a submarine-duty incentive. I did so, pocketed the reenlistment bonus, and left in December 1959, the first plankowner to depart. Fellow plankowner, Gerald P. MacDonald also shipped over for submarines and we went through the same SubScol class in New London – he, too, is a lifelong friend and is now retired in Silverdale, WA.

Early LOFAR In Submarines

I've yet to find a complete history of LOFAR, but there's a lot of detail available online. Not discussed is a piece of submarine gear called SEDGE – Submarine Data Gathering Equipment. This was kind of LOFAR-on-a-skid, a small amplifier/spectrum-analyzer/gram-display stack that in the '50s was lashed to a torpedo skid in the forward torpedo room of diesel boats going on 'Northern Runs' out of New London. The gear hooked to individual hydrophones mounted in the superstructure and was used to gather acoustic signatures of anything that came in range. I made one week-long run with SEDGE in local op areas when I was a sonarman in USS CAVALLA (SS-244), the boat I went to out of SubScol in 1960. It was not terribly impressive – no range. But it gave submariners on spec-ops² LOFAR experience, LOFAR info

on targets and started the AcInt (acoustic intelligence) business in a meaningful way.

SEDGE was spec-op-only gear and part of the bigger suite of non-acoustic stuff installed for these top-secret runs (rest was owned by CTs) – no boat had it permanently installed. The first operational LOFAR in submarines was the AN/BQQ-3, designed to be part of the then-ultra-modern AN/BQQ-1 submarine sonar system first installed in USS TULLIBEE (SSN-597) and the THRESHER (SSN-593)-class.

Serial number 1 of the Q-3 went into TULLIBEE (I rode her 5th week of builder's trials as the only SOSUS-trained sonarman in New London) and serial 2 into THRESHER. Serial number 3 was installed in my boat, CAVALLA: WECO and BellTelLabs were not convinced that any nuclear boat could be quieted enough for LOFAR to work on an SSN and they wanted a known-quiet diesel (CAVALLA was a SubGroupTwo boat and kept really quieted to serve as a test platform) to prove that any SSN LOFAR problems rested with the platform and not WECO's gear.

TULLIBEE and THRESHER were in new construction, so their Q-3 was installed by the shipyard. Not CAVALLA's. Our system showed up on the pier in crates and it was up to ship's company to get it installed. The electronics were easy – our sonar shack had the gear moved around by yardbirds and foundation pads installed, wiring in place, etc. The problem was the hydrophones. The yard (actually SubBase New London E&R shops) welded brackets and cable runs in the superstructure, but it was up to us sonarmen to actually mount the hydrophones in place and pull the cables through existing stuffing tubes in the pressure hull.

24 hydrophones total the length of the boat. Half-inch cable pulled through pressure-proof glands arranged as 6-cable 'spiders' through the pressure hull and to interior terminations. Three miserable weeks inside the superstructure doing this grunt work. As with everything else in diesel boats, no room, not enough people, and zero sympathy for us sonar girls from the rest of the boat.

The real fun was on sea trials. We submerged to about 150' to test the fittings. And found that one of the blanked-off hull glands failed catastrophically – a one-inch hole in the hull sure lets in a lot of water in a hurry submerged. Ah, the fun of submarining: emergency surface!

The gear worked wonderfully. Full array coverage, so much better signal-to-noise differentiation than with SEDGE. Big gram display, not the rinky-dink SEDGE. Good gear - and worked well in the nukes also, as it turned out. LOFAR became and is the foundation of modern submarine sonar.

It was the Q-3 that also did me some good on becoming an officer. CAVALLA's skipper was LCDR Yogi Kaufman and he was both well-experienced with SEDGE on earlier spec-ops and certainly not shy with opinions, especially if

have talked with each of the authors and what I told them was this: 'You got it ... but you didn't get it all.'

² Read *Blind Man's Bluff*, by Chris Drew and Sherri Sontag to understand 'spec-ops' and get a full feel for modern submarine operations. I'll not confirm or deny anything in the book, but I

contending with a smart-assed non-qual sonarman³. In turn, I knew LOFAR signatures and had a lot of experience from CVB arguing with watch officers. Yogi and I would both show up at the Q-3 when something was hot (him usually in his underway/rigged-for-ultra-quiet uniform of flip-flops and skivvies) and we would commence to debate what it was that was printing and what was its proper classification. I guess I won enough of these discussions that Yogi gave me a super-strong recommendation for NESEP.

“Real” Oceanography

I left CAVALLA as a brand-new SO1 (SS) in May 1961 bound (via Prep School in Bainbridge) for the NESEP Detachment at the University of Washington Seattle. I was one of first 14 NESEP students enrolled in the Oceanography curriculum at the only university in the country then offering an undergraduate degree in the subject (taking 15 quarters to finish, so really a 5-year bachelor’s program not terribly different from a master’s).

The folks running NESEP for the Navy didn’t know much about oceanography, but they figured it must be easier than the hard-core engineering courses they were sending most NESEPs to and so used YouDub’s oceanography course as almost a dumping ground for NESEPs deemed not well-equipped for hard stuff. Only two of us wanted to be there, myself from my SOSUS and submarine interests and background, and Al Setzer, a first-class surveyor who had just spent three years at sea in the USNS MAURY, the Navy’s only oceanographic survey ship.

As it turned out, the oceanography curriculum was not a grape. After two quarters, most of the others had transferred to easier majors – electrical and mechanical engineering. After four quarters, only Al and I were left. We both graduated with BS degrees in oceanography, Al in geological oceanography and me in physical, members of the worst NESEP class in history.

I learned this from studying the real stuff in college: the knowledge of sound in the sea that’s an essential part of being successful in SOSUS is as good as anything you’ll learn in class. Or in a submarine. The initial staffing premise for SOSUS – submarine sonarmen and SOSUS operators are of the same stock – is exactly right ... and a layer of book learning doesn’t add much.

Two Later Visits To CVB

After graduation and commissioning I built the cruiser USS FOX (CG-33) and made one WestPac cruise with her into the north end of the Gulf of Tonkin (1967). But after submarines,

³ Yogi qualified me in submarines, pinning on my silver dolphin submerged off Puerto Rico on 2 February 1961. He went on to command SCORPION (SSN-589) and WILL ROGERS (SSBN-659), made admiral, and retired as a three-star. Yogi became a well-published photographer. We stayed in touch until he died in 2006 at age 82. I treasure a late-night phone call I got from him a month before he passed away. He was one-of-a-kind, a giant.

surface ships were not for me and I found my way back to the boats. As my class was finishing the six-month diesel course at SubScol, the nuke navy found it was running out of officers and so we were all diverted via Dam Neck into jobs as Polaris Weapons Officers in SSBNs. Following six patrols in USS JOHN MARSHALL (SSBN-611)(Blue) and a shore tour in the Polaris program office, I found my way back to the diesels, as Third Officer in TROUT, XO in USS TANG (SS-563), and then CO of USS GUDGEON (SS-567).

In Fall of 1979 we took GUDGEON up the coast from San Diego and made a liberty stop in Eureka. Big swells coming off the Pacific as we went through the harbor entrance between the jetties and I can still remember the look on my OOD’s face as these swells picked up the stern, the boat yawing right 35 degrees and he looking over the bullnose at the rocks of the South Jetty (the pilot and I expected this and counted on a good helmsman to keep us off the bricks, which he did). In Eureka, the CO of CVB was kind enough to invite me to the station and I went out for lunch in the wardroom. It was a genuine honor to be back and I was much impressed with the professionalism of the officers I met. Felt good. Station looked pretty much the same, as did Ferndale.

Looked the same also in 1991, when I was invited out from my job at Cape Canaveral to be the change-of-command speaker at the ceremony in which my old TROUT shipmate Howard Hively was to be relieved by my old Polaris-program shipmate Bob Bridges as CO CVB, my old submarine PCO school classmate Fred Crawford presiding as COSP. Again an honor.

And great fun. The OPNAV declassifying SOSUS had just been released and so, with this in hand and agreement among the three principals just named, I was able to say in my speech that CVB had really been looking for submarines all those years and the oceanography tale was just a cover story. I was astonished to find that this was pretty much startling news to the townies attending. Had assumed that there been enough intermarriage and nights at the Ivanhoe to pretty much blow the fiction, but turned out not.

Have lost track of Howard and Fred, but see Bob Bridges often – he is retired in the same part of Florida where I am.

Final Thoughts

Those of us in the program back in the early days never thought it would end, nor the Cold War and permanent tensions (at best) with the Soviets. But it did and now it’s in the realm of history, not operations. SOSUS and all its offshoots did their part in keeping track of the bad guys and making the world safer for us good guys.

As a young sailor in the earliest days, I can only say that SOSUS was a grand start on a good career and Centerville Beach a wonderful place for a young kid from Waseca, Minnesota. I’d do it again, in a heartbeat.

Where Are They Now?

OTCM George P. Widenor, USN (Ret)

Following retirement from the navy in 1981, I completed a 20-year career with SAIC, retiring (officially) in 2001 as a Senior VP and Asst. Sector Manager. I managed the Vallejo, CA office (180 employees, 1984-1990) supporting NAVELEX Mare Island. Primary focus of contract was SATCOM, and a highlight was our work to install SATCOM and TACTICAL COM systems on the 4 Iowa-class BB's as Reagan brought all 4 back into commission. We retired to central CA following eight years in San Diego, and a nearby earthquake in Dec 2003 shook us to our senses. Following an exhaustive search for our next duty station, we decided on Eagle (love that name), Idaho, and have enjoyed the Snake River valley since 2005. Both of our children and three grandchildren live within 6 miles, and each day is a blessing. I enjoy my woodworking shop, we do a lot of RV'ing, and the highlight of our travels over the recent years has been two riverboat cruises on the Mississippi. What a view of America (7 days at 5 knots)!

Timothy Bevins, ex-OT3, USN

Well, I've been out of the military for thirty years and because of that mistake, I'll be working for another 15 or so. Married with one daughter, who is the light of her mother's and my life! One could not ask for a better human being to be related to – Meggie, who's now 24. My wife of 25 years is home tending to our son Harley, a nine pound Yorkie. I doubt he'll ever amount to much but we love him anyway. I've been working in engineering off and on since I separated from USN in '79. I don't really care for the work but it's relatively lucrative and keeps me off the streets at night. I did work for a few years building submarines rather than chasing them for a living. Today, I develop manufacturing processes to fabricate heavy equipment for the steam and gas turbine industries. The positive side of that is it's one of the few products in demand at the moment and since we don't make much in America anymore, I'm grateful that I've been gainfully employed since 1975. That darn work ethic!! I still enjoy skiing, fishing, hunting and the shooting sports and can never get time enough to do them all but it's been a good life. I've met some incredible people over the years and, save for a couple of things, wouldn't change much of it.

Bob Lawson, ex-OT2, USN

Well, I've been out of the military for thirty years and immediately became a defense contractor and was still involved with IUSS until 1993. I received my college degree in Computer Information Systems in 1988 utilizing the G.I. Bill (a blessing from the military!). Married with two sons, both of whom are in community college and planning to go to University of Arizona in Tucson, my wife of 25 years and I are happy being "empty nesters" and our lives in Christ. I've been working in engineering since I separated in '79. As I mentioned earlier, I worked in IUSS, submarine communication systems, Army Howitzers (Crusader), and my present work is on Exoatmospheric Kill Vehicles (EKV), part of National Missile Defense for Raytheon Missile Systems here in Tucson. I have been primarily involved in Test and Evaluation, Independent Verification and Validation (IV&V), and systems engineering verification and compliance of requirements. I enjoy golf (great game! not enough time to practice), fishing, hiking, and travel and can never get time enough to do them all. I believe in my heart that serving the short time (4 yrs: 2 yrs at Arg and 2 yrs at COSL) I had in the military set the stage for my career and life.

Michael Campbell, ex-OTA2, USN

Key West Mar to July 76; Brawdy Aug 76 to Sept 78; Kef Oct 78 to Sept 80. Four years in Orlando, FL going to school. Missed walking the beams, I re-enlisted in 84 and ended up in Adak until July 85. Jul 85 to Mar 86 I was beat up at Dam Neck. Moved back home to Cincinnati and went back to school. Several jobs writing various computer programs from COBOL to PERL. About 10 years as an Oracle DBA. Laid off in 2003, and got a job in Salt Lake City, and after 3 years there transferred to Shelton, CT, where I own a couple of Data Warehouses. During this time sitting at a keyboard for hours on end, I got fat. My doctor recommended the Take Shape for Life program. Lost 130 pounds in 2008 and having the time of my life. My wife Angie lost 110 pounds. We have pictures posted at www.angiesweightloss.com. We have a grandkid in the build process, and looks like vacation time will be going for that event, so I will not make the reunion. I would have enjoyed seeing a few of you, like Buddy and Sue, Hal Cook, Tom Duffy... Tom do you still read standing up? I did get to see Fred Dube in RI last year. Anyone know where Scott Irby or Jim K ended up? Like to say hi to the folks from Brawdy, Kef and Adak.

OTA1 Tom Duffy, USN (Ret)

Not as much, my knees are shot from walking around all day and night. Retired in 1999 after twenty years as an OTA. Moved to upstate NY near Lake George. Got a job in a grocery store to have some cash and finally in 2003 opened up a used book store, selling hard-backs and comics in the front half of the house that is open weekends. In September/October there is a town-wide yard sale going on and I move a ton of paperbacks then.

Kate Kinkaid Brinkerhoff (Effinger, too) ex-OT2, USN 1977-1982

After completing my enlistment I clicked my heels together 3 times and wound up back in Kansas, after a short stint in Anchorage, AK. I bartended while putting myself thru college, got that "Big Kids Arts and Crafts" degree (BFA in graphic design) and kept right on bartending as the money was better. I eventually went to work for a vinyl automotive graphics manufacturing company, where I stayed too long, but just long enough that when they filed bankruptcy, I got some of their used equipment. I cleaned out an old building behind my house, strung up Christmas lights, plugged in the rock and roll...and finally had the studio I'd always wanted. I've been on my own since 1998, but in the biz since 1995. I love it. I design, manufacture, and install graphics on small town police cars and small business vehicles, make signs and banners, do a little decorative sandblasting....and all on my own schedule. It's a creative outlet and it's great fun. I remarried in 1996 and have 2 great grown step-kids. My husband works for Hawker Beechcraft and travels a lot. I still love the occasional good imported beer, a good belly laugh, and looking at all the old 'Fac' pictures. I miss my OT pals and try to stay in touch as much as possible. My door is always open to my Navy friends.....God love ya!

Michael Hein, ex-OT2, USN

Point Sur '71-73, Adak '74-75. Then returned to Iowa State University and spent a couple months identifying all of the plants I collected and pressed while on Adak. I eventually published 2 papers on the plants (134 species), lichens, liverworts, and mosses of Adak and a book on the diatoms (algae) on the island. Masters degree in 1977 from Rutgers, then started work at Water & Air

Research (an employee- owned environmental consulting firm) in Gainesville, FL for the last 31 years. Currently manage several water quality projects and identify algae in samples from around the world. Looked at over 2,000 samples from the North Atlantic; North Pacific; Gulf of Alaska; Arabian, Sargasso, and Barents Seas; the Sea of Okhotsk; and the Canary Basin (places sound familiar) in the 1980s for bioluminescent organisms (think satellites and our targets of interest). About 5 - 10 years ago our company had a contract with the Navy to write EA and EIS documents for base closures and realignments. It was interesting being back at NTC Great Lakes and Key West as a civilian. Married since 1979 with 2 daughters, one now in High Point, NC and one in Jacksonville, FL. In my spare? time I keep busy growing and hybridizing amaryllis (more than 10,000 in our yard) and assorted other flowering plants, collect fossils and collect, cut, and polish rocks, and enjoy being outdoors. Still in great health, but had a walnut-sized benign nerve-sheath tumor removed from my neck about 2 years ago (2" section of the C4 nerve sacrificed). Little scary with all the possible complications that could have happened but amazingly everything still functions - even with the section of nerve missing.

OTAC Chuck Cable, USN (Ret)

Retired on the Kings Point Patio, NOB, Bermuda in August 1986. NUWC wanted to hire me for a new position at the Surface Ship ASW Analysis Center (SSAAC), Mayport, FL but, due to a hiring freeze I went to work for Sonalyst, Inc in Waterford, CT. In September 1987 NUWC hired me and I started my Government civilian career at the NUWC office in New London, CT. I worked on various Sonar projects of which one was the SQQ-89 OBT sonar suite. Finally I was transferred to the SSAAC site in Mayport, FL where I was the only civilian and responsible for training junior STs in the art of acoustic analysis as well as analyzing playback data and solving maintenance issues. I was there for the duration. After 1 1/2 years ASW became a dirty word and the position was eliminated. After much discussion I was transferred to NUWCDET AUTECH staff in West Palm Beach, FL. I was initially assigned to the Towed Array division where politics took over and I finally went to work as the Safety and Environmental Manager!? When the Towed Array division was moved to Little Creek, VA, I moved over to the AUTECH building as an Environmental Engineer. I was responsible for ensuring that the contractors were in compliance to all EPA Environmental rules and International Environmental laws with the appropriate application to both Andros Island, Bahamas and in West Palm Beach FL. The job was fantastic and rewarding. Much like the ORI team's mission there were training, drills, testing, and monthly contractor evaluations. By 1999 Linda and I decided to do a tour on Andros. Since I had been spending two or more weeks a month on the base anyway it made good sense. In 2004 we returned to CONUS. In September 2007 I had 20 years with NUWC, was a GS-12/10 with little or no chance to advance so we began pondering when or if we should completely retire. I put in my paperwork and retired on 31 January, 2008. We spent 41 years in the Government in one form or another, and have been married 43 years. We raised two daughters and enjoy 4 grandsons. Two live near us in Jupiter, FL, and two live in Morro Bay, CA.

CAPT Royal Logan, USN (Ret)

Following my tour as CSO at COSP ('85-'88) came to Tallahassee as CO of NROTC at Florida A&M University and Florida State University. Retired in 1991 after 38.5 years of active duty. Immediately took a position with a state department as Bureau Chief of Operations, regulating Florida's 31 pari-mutuel wagering facilities, i.e., five horseracing tracks, 20 greyhound racing tracks, 5 jai-alai frontons, and 12 poker card rooms. Yeah, I know, really applied all of my IUSS and aviation experience in that position.

Retired from the state in 2006, spent a year painting everything around the house that did not move. The "honey-do" list was growing exponentially, so I came back to state government, this time as a Government Operations Consultant, conducting operational performance audits of Florida's early education programs, i.e., birth to five years age, a \$1.2 billion program. Will probably do this for a couple of more years and then really retire. That is, if the Florida Legislature does not implement what it is considering - terminating all "double-dippers". Only time will tell.

OTCM Doug Devers, USN (Ret)

Well, following my retirement from the Navy in 1993, I ended up in the Logistics business in Knoxville, TN. Initially hired for my management, training, and safety background I soon found myself right in the middle of operations and was promoted to Ops Mgr. What a surprise!?! Followed another opportunity and ended up as a Distribution Facility Mgr for Georgia-Pacific in Birmingham, AL. In 1998 I was hired by UPS and have been there since running distribution operations for Honeywell, IBM, and Sprint in Cincinnati, Europe, and now Louisville respectively. My 3 1/2 year assignment in Europe was great as I ended up working in 15 different countries and rolling out an entire distribution network for IBM as the Project Implementation Mgr. My return to the states in 2007 brought its own adventure as I was diagnosed with colon cancer in Nov. Admitted the same day, I had surgery and follow-on chemo and radiation treatments for months. Two weeks ago, I was cancer free for my first 6-month follow-up. It is certainly good to be alive! If any of you ever need a 'buddy' to help get you through, let me know. I've been there and am more than happy to help support others going down that road. Kids are well. Chris is a teacher in Birmingham at a private school. Randi has just returned home from a year in Iraq and is a Firefighter/EMT/HazMat/ Homeland Defense guy and Ben (HM2 FMF) is at Camp Pendleton, CA following a deployment with the Marine Expeditionary Unit. As for Sue, she is enjoying watching our 2 grandsons grow and become some pretty cool little guys. Wyatt is 7 now and Walt is 2. It doesn't get much better than that. Next step is the next retirement and believe me, I am planning that now as you read.

LCDR Michelle Weddle, USN and Jeffrey Weddle, ex-OTA, USN

I am still active duty at just shy 27 years. Was an OTA for 15 years. I was selected for MECF in 95, completed my BSN in 97 and was commissioned as an ENS in the Navy Nurse Corps. CDR Wilcher was kind enough to perform my commissioning ceremony. I was picked up as LCDR in 07 and decided not to retire. I applied for the Duty Under Instruction program and was selected to attend graduate school at Uniformed Services University in Bethesda, MD to complete my masters in nursing as a Family Nurse Practitioner. I am finishing up my first year with one more to go. Jeff and Meagan stayed behind in Virginia Beach while I finish up here. Jeff continues his work at Portsmouth Naval Medical Center. He takes care of all supplies for 3 main OB wards and really likes his job. Meagan is completing her first year at TCC and is doing well. She is now 19...WOW! where did the time go? I am still trying to sell her on nursing. Time is ticking and we are calling for orders soon. Hoping for a final tour in Europe. I will retire some day!!

CWO4 Mark Otto, USN (Ret)

After retiring from Brawdy in 1989 I moved to Kelowna, British Columbia and bought a "hobby" farm of approximately 12 acres. The first year there a fellow followed me home (I was on my tractor towing a hay baler) and he asked me if I did custom work. Said I had not up to that time but would help him out. By the time I quit farming in 2000 I was farming about 200 acres of leased land from

which I baled about 12,000 bales per year and did another 5-8,000 bales of custom work. Quite a "hobby"! In 2000 we moved to Williamsburg, VA to "escape" the socialism and taxes of Canada. Retirement lasted about 30 days and my wife told me to get off my "butt" and get a job because I was driving her crazy. I decided to utilize my training as a TPO and Training Officer and apply as a substitute teacher. I began working as a substitute teacher in the fall of 2000 and in the spring of 2001, because of a teacher with a broken leg, took over her business class as a long-term sub. The leg did not heal and in the fall I was hired as a full-time teacher. I completed what I needed to complete of ODU's career switcher program to qualify for my VA state teacher's license. I am still teaching keyboarding, Digital Input, and Introduction to Technology Fundamentals. I love teaching and will miss it when I retire. My oldest son, Shawn (ex-ET (nuc) spent 16 years in the Navy. He made CPO in 6 1/2 years, and then, because of lack of billets, could advance no further. He got out of the Navy, joined the VA National Guard, received a commission, spent a year in Iraq in 2006, and is currently stationed at Bagram Airbase in Afghanistan with the 376th Eng. Battn. Oldest daughter Lynn lives in Manassas, VA and in Aug. had her first baby. Son Marc lives in Calif. and is currently single with no children. With all my step-children, I have 18 grandchildren ranging in age from 22 years to 6 months. Most of them live in British Columbia, but my youngest daughter lives here in Williamsburg and has a little boy 13 months old. My wife babysits him and it is truly a blessing to have a little child around the house again. When not teaching, I spend time playing golf and working in my wood shop. I enjoy making mainly furniture and my kids keep me busy with their projects.

STGC Wendy Craven, USNR

I joined the Navy in 1981 as an OTSN and was assigned to Point Sur on the lovely coast of California. The time there was awesome, like totally. Left there in 1983 as OTA2 and headed to Bermuda. Like anywhere, there are good and bad memories of Bermuda. In 1986, transferred to NOSC San Diego on Point Loma. Now this was a different type of duty - test software programs and travel. In 1989, decided to leave Active duty and join the Reserves. The only billet they had then was a BU2, there were no OTA billets in the reserves at that time. In Aug 89, finally made 1st after several times of taking the test. My Reserve Billet was then changed to BM1, still no OTA billets. In 1991, they finally had OTA billets. All the NavFacs were assigned a Reserve Unit; my first one was CUS. After near 6 months of never meeting the unit, as the unit had not been formed, I decided to move back to the Tampa Bay area and join the NAVFAC KEF unit. Danny George & I were the plankowners of that unit. Since they needed additional personnel in the unit, they had assigned: ET's, GM's, SK's, YN's and the only 2 OTA's. This made for a very interesting AT to Kef. In 1994, I made Chief, OTAC. We continued going to Kef, until they gave us the bad news that the NAVFAC was closing. That was a very sad day for all of us. At that time, CDR Donovan was the CO and you could tell he was also sad. After KEF closed, we began traveling to JMF St Mawgan. Wow, what a place, who would have ever thought we would work in the dirt pile. During this time, we were merged with the STGs. On 11 September 2001, you know what happened - all Reservists were put on alert to stand by. In Apr 2003, I had ADSW (Active Duty Special Work) orders to Special Operations Command Central, HQ US CENTCOM. I was put in charge of their Command Engineering/ Logistics dept. Then in Nov 2003, was assigned to US Special Operations Command. I have been here ever since, working in various jobs. Well, I will be saying farewell to several friends in the next few weeks as I head to JAX for Demobilization, then in September I will say Good-bye to the Navy. After 28 years, it's time to hang my hat up and start

looking toward the future. I will still be in the Tampa Bay area, so if you're ever in the area, let me know via email.

CWO3 Sandy Sanborn, USN (Ret)

Following retirement in 1992, I started and ran a screen printing business in Placentia, NFLD. 3 years later after the base closed and the cod moratorium, we closed up shop and moved to MD where my brother was living at the time. Spent a couple of years adapting vans and vehicles for people in wheelchairs. I then got a job supporting the SPAWAR FTAS program for 3 years. I then spent 2 years planning, executing, and reconstructing ASW exercises for the US, Canadian, German and Italian Navies. I was offered an opportunity to go to work supporting COMOPTEVFOR as an Operational Test Engineer and have been doing that for the last 7 years. We still have a house and cabin in Placentia and hope to spend 6 months there (in the SUMMER) and then 6 months somewhere in the South. One son is married and, after a tour in Afghanistan, is back in CONUS stationed at HS-14 in Norfolk. The other son lives and works in St John's. Looking forward to fully retiring in the not too distant future.

OTAC Jim Wheeler, USN (Ret)

After retiring from active duty in 1987, I worked a while as a bricklayer (too much like work), and then went to work for GEGS, SURTASS. I did 8 months in Italy as CTF-66 liaison, then a few months traveling back and forth to Hawaii and Japan training SURTASS crews. After a 90-day deployment on one of the ships to the N. Pacific in sea state 5, I decided to give up that job. I came back to Moyock, NC, and became a Deputy Sheriff for the next 6 years and got my degree in Criminal Justice. Then a position for Magistrate/Judge became available and I applied and was selected for that job. I've been doing that now for the past 12 years. Still married to Deb and have three grandchildren.

LT Randy Scott, USN (Ret)

I retired in 91 and we stayed here in Virginia Beach. I spent 11 years in real estate; selling, buying, flipping, etc, then got my Class A Contractors License in 02. Since then my son and I have been partners building new homes within walking distance of the beach. We sub out about 90% of the work but do the remainder ourselves and we've had a really good (but busy) time together. The past 2-3 years have been very tough but it seems to be picking up some lately - we just sold a house that wasn't quite finished so the interest meter wasn't too bad this time around :) Chris is my agent so we've kept a lot of things in the family. All three kids are out of college, married and have produced 6 beautiful grandkids, ranging from 11 years to 2. (the 2 year old is Randall III; how cool is that??) Everybody lives within 5 minutes of each other so we have been blessed even more in that regard. My other undertaking right now is writing a book. It's a historical novel based on my family, which I recently traced back to the later 1700s here in Virginia. (I put this plug in for Ancestry.com before, but if you ever want to learn more about your roots you need to try it.....an absolute treasure of information)

Lydia Nesbitt/Mathews, ex-OTA2, USN

I left the Navy in '94 after tours in Kef and NOPF Dam Neck. Came back to western NC and used the GI bill for school. I completed a Pastry Apprenticeship after school and have worked as a baker, chef, and restaurant manager. I currently work at the Biltmore in Asheville as a Purchasing Analyst (can't get away from that word!) which means I handle the purchasing for all six restaurants/outlets on the property plus our inn. It also means I have a relatively 9-5 in the food biz, which is great. I had met my husband Brian 20+ years ago in Basic Training, and eight years ago he found me online. God bless the Internet! He served aboard the USS Saratoga during Desert Shield/Storm. His two boys moved here with us when they were 12

and 13. They graduated from my old high school here in Hendersonville. Joseph is in the Army National Guard living in Mississippi. He will be deploying to Afghanistan soon. Brian Anthony is a freshman at Western Carolina University. We purchased a smaller house last year and are in the process of a renovation. Noisy but fun. Life is busy and full, just the way I like it.

OTA1 Richard Vermeulen, USN (Ret)

Transferred to Fleet Reserve in late Oct 89 at Centerville Beach, CA. Moved to Biloxi, MS. Went to work as an aquarium specialist at Marine Education Center in Biloxi. Hurricane Katrina completely erased the aquarium (nothing left except a concrete slab) so now I am working at Lowe's as a customer sales associate in the hardware department.

OTAC Kristine Reed (Gustavson/Lopinto), USN (Ret)

Retired in 1994 and, just before retiring, got married to a SURTASS Mission Sup, who got transferred to Norfolk. Moaning the whole way, we moved to the Norfolk area. He quit sailing on the ships 9 months later. I took a couple of years off, to breed West Highland White Terriers (Terrors to be more precise), after which I decided to go back to work. Started off doing jewelry sales, until I realized I was spending more than I was bringing in. Then an opportunity opened up at USACOM (now JFCOM) to be a government contractor as an Assistant Information Systems Security Manager. Then the Navy decided to embark on this little project called Navy/Marine Corps Intranet. I signed on as their vulnerability assessment lead, or "scan queen" as they called me. Did that for a couple of years, then moved over to NASA. Then back to working with NMCI under SPAWAR as the SE region IA representative for the transition to SIPRNET. Lost the contract and moved on to NETWARCOM as a contractor performing the IA services for the Allied and Coalition Networks. This in turn proved to have too much decision making responsibilities that a contractor can not make, so I was converted to civil service under SPAWAR Atlantic. On my fifth year with this program now. I get to travel a lot to our partner's neck of the woods, and it is extremely interesting work. Been married for 15 years now, totally enjoying life together with our four Westies. For hobbies, we enjoy making stain glass and glass fusing. Hubs would say I enjoy buying brand new houses and remodeling them, and collecting cars. All in all, no complaints here.

OTAC Roy (Sonny) Robertson, USN (Ret)

Nice to see old friends on the IUSSCAA website. Well, retired OTAC and got my Computer Engineering degree and purchased a large computer service company that designs touch-screen computers for restaurants like you may see in your area at Wendy's, Burger King, Ruby Tuesday's and thousands more. Thought I was bored so I purchased a small chain of restaurants here in Maryland and West Virginia. Kids are grown and I'm now a grandpa and loving every minute of it.

Greg Alexander, ex-OTA2, USN

After 8 years I left the Navy in 1994 and moved back to Indiana. I took a job at a Wal-Mart Distribution Center in Seymour, Indiana intending to work there until I finished school. As it turned out I enjoyed it so much I stayed and spent about 11 years there in the Receiving Office at a variety of positions. In 2007 I leapt at an offer to join Wal-Mart's Central Transportation Office at the brand new grocery distribution center in Gas City, Indiana. It's a big challenge serving 130+ stores in 5 states but I enjoy it very much and have had a lot of success since I've been here. On the personal side, I married my lovely wife Cheryl in 1999, celebrating 10yrs! Unfortunately we have not been blessed with any children so we do our best to spoil our nephews and nieces rotten. If

I've made a name for myself in anyway since leaving the Navy it's that of an Indiana High School Basketball historian/ photographer/ writer. During the basketball season I do a little bit of freelance photography focusing mainly on smaller schools that normally don't get a lot of attention from the press. During the basketball 'off-season' I make several trips a year around the state to photograph and sometimes write short biographies of older and/or former high schools and gymnasiums for various websites. You can see my work on YouTube. The one that's gotten the most attention is titled 'Old High Schools and Gyms of Indiana'. I have a lot of photos from Brawdy 1988-94. Once the basketball season wraps up I'll have to sort through them and post a few for you all.

OTCM Marshall C. Pittman, USN (Ret)

I entered the SOSUS Community as an ET1 in Aug 1969 as an instructor in the maintenance course behind the "Green Doors". I had never even heard of the System till I got to Fleet Sonar School in Key West but I learned real quick that I had found my true home. I made ETC in May of 1970. When the OT rating came out I applied for and was allowed to convert to OTC. I served at 3 NAVFACs: Antigua 74-75, Hatteras 76-79, and Kef 79-82. I went to work at a farm feed and supply store until 1984. I used my GI Bill to get my BSA Degree majoring in Accounting and graduated in Dec 1987. I graduated in the top 10% of my class and no one would hire me because of my age (50). Started my own practice and in Jan 91, I went to work with the IRS. I left them at the end of 91 and reopened my private practice. I didn't get rich but I didn't go broke, either. I kept it a one man practice. I retired again in 2004 to spend more time with my family. Fredna and I have two daughters, three grandkids and 2 great-grandsons, ages 1 and 3. In 2008 I gave my 3 year old great-grandson a rod and reel and took him for his first fishing trip. He caught 9 catfish, 5 of them keepers. Now, shipmates, that is what retirement is all about.

LCDR Susan Hernandez, USN (Ret)

Hello all. Great to see some familiar names from 4 IUSS tours (COSP/NOPE, Whidbey, Kef, and Yokosuka). After 20 good years I returned in 2004. These days I am very busy as a high school teacher (NJROTC) at Seneca Valley HS in Germantown, MD. It's a real pleasure being part of one of the best school systems in the country. Take care everyone! Sue

LCDR Scott Clausen, USN (Ret)

I was lucky to start at Kef in '75 (Thanks Robin Hood, Bob Wisdom, John Piwko, Randy Scott, Jim Wheeler, Jerry Lilly, and others), then the OSSD in NOSC San Diego, OPS at Adak, and PME-124 Special Projects. Had a disagreement with my second CO at NOPF Ford Island and found myself no longer part of the system. Spent a tour at OPTEVFOR, and EUCCOM HQ, Stuttgart, Germany where I met my wife. Closed NSGA Skaggs Island and retired to Puget Sound in '94. Trained teachers and staff on computers and then wrote databases for a manufacturing company. Now live near Port Angeles, WA and love the country. Have a small business and three dogs. For those that remember my ex-wife she became one of the first 5 women NFOs and was a reserve Capt the last time I looked. Having seen quite a bit of the other Navy I can honestly say there was no part better than the IUSS system and the people who served within it.

LCDR Rick Gates, USN (Ret)

Well, I was the last OPSO at Adak, and then took orders to Naval Air Reserve Center, Minneapolis, where I planned on retiring after a short, 2-year tour. The only black shoe there, I was made Training Officer for 1400 Airdales, enlisted and officer. A real learning experience. Two years turned in to three, and then I made the LCDR promotion list, but could not retire with it unless I spent another

couple years in uniform. I took orders to the Recruiting District in Mpls-St Paul, and just before transfer, was changed to OIC of PSD Minneapolis. Had a good time there, learning all the things I had always avoided (Admin, Pay, Legal, etc.) as an Ops-type guy. Ended up doing 22 years active by the time I retired in 1998. Just before punching out, I called my detailer and had verbals to Belgium (SHAFE), but the family nixed that and I put in my papers. Immediately got a job with Polk County (WI) as a County Veteran Service Officer (CVSO), working with veterans. Have done that for the last 10+ years and enjoy the hell out of it. Both daughters have graduated college now, and both have kids! Alice is married to an Air Force B52 Navigator (Josh), and Anna (my Iraq combat vet!) is working as a probation and parole officer for the state of Wisconsin. Chris, my Welsh bride of 31 years now, is doing fine, enjoying Grammahood to the max. I play bass in a rock and roll band (thefulltiltband.com) and am in the process of restoring a 67 Mustang. We are avid bikers (HD type) and spend most of the limited good weather up here on the scooter. Life is good, and I have no complaints. If anyone is up near NW Wisconsin, give us a call. Door is wide open to all of you!

Lynn Tvedt, ex-OT, USN

After Adak [73] and CVB to [77] I worked for awhile as a machinist in St Paul, MN. I barely survived the 1981 tornado that went through the Twin Cities. Then in 83 I got married to Lisa and started with the U.S Postal Service as a carrier. After 25 years I'm still in love with the same woman and still working for the USPS as a mechanic on the mail processing equipment. We have two boys, Sean, who is in the Marines and stationed in Iwakuni, Japan and Jesse, who just graduated high school last year and can't seem to find his calling yet. Otherwise we like to fish and hunt in our spare time and do some traveling. We are fortunate to be in good health and hope this finds you and yours likewise. Just so many friends and so many miles.

OTAC Barry Olson, USN (Ret) and Dawn Olson, ex-OTA1, USN

Barry retired in June '85. A couple of days later we were heading for Oregon. We went back to Silverton, the town he grew up in, also the town that his dad's side of the family helped settle back in the 1850's. He decided to work for a landscaper for a while until he could figure out what he really wanted to do when he grew up! He settled on heating and cooling (HVAC) with a company here in town. The company has since moved to south of Salem to Aumsville, and he has been the supervisor for HVAC for the last 10 years. Duty stations: Barbados, Bermuda (twice), Coos Bay, Newfoundland, FLTASW "A" SCHOOL at Key West and then helped them to move up to Norfolk; lastly, COSL. As for myself, the Navy said I had to get out due to a knee injury that I sustained in Bermuda. So, I left in July '84. I waited until we moved back to Oregon to use my VA education money. I graduated from Oregon State University in '90 with a degree in Zoology (Cell Biology). The summer of '89 I fell into a job with the Oregon Zoo in Portland as a keeper. By the end of the August they asked me to stay. Since the medical research jobs in Portland at that time were hard to come by I spent the next 2 1/2 years at the zoo. It was a great time but, as is the way of life, things change. I then moved on to clinical prenatal and cancer genetics. After spending 4 years there, the chance to move into medical research was a welcome move. I have spent the last 15 years at the Portland VA in 2 different labs. At the beginning of this year I was offered a job back down at Oregon State University, still in medical research. My duty stations were: Eleuthera (78-80), Bermuda (80-82), and FLTASW "A" School (82-84).

STGCM Chris Weller, USN (Ret)

I finished my career at NAWC TSD Orlando as a STGCM after 26 years. I managed the Acoustic Training and Simulation (ATaS) database for all acoustic trainers. I managed to parlay my experience into a Civil Service position in Orlando and kept that going for a couple of years. I have recently moved on and accepted the job as the Scientific & Technical Liaison Officer (STILO) at NSWC Panama City, FL. Kind of strange because PC is where I grew up and went to High School. The beach has gotten a little wilder or maybe I have mellowed out some. Thinking about starting a "Geezers Gone Wild" series. What a long strange trip it's been! The STILO gig is really cool because I am the link pin between the Intelligence Community and the Scientists and Engineers. I have learned a lot about Mine Warfare and have gainfully employed my experiences in IUSS. I have three kids, William (25), Morgan (16), and Sam (4). I have a child every decade whether I need one or not. Gretchen and I celebrated our 20th Anniversary this year.

OTA1 Ray Edmundson, USN (Ret)

Since retirement in 1999, I've settled in South Georgia near Waycross. I went to work in a local manufacturing plant as a shift supervisor and production scheduler which lasted until Jun 2004 when the plant was closed down. I then went to work in another manufacturing plant in Valdosta for about 10 months and then I received a letter from the Post Office for a job interview. I've worked for the Post Office since May '95 and enjoy it, except for the 150 mile round-trip commute to work. Janet and I have been married for 25 years. (Ed. Note: at time of writing, Ray and Janet were expecting their first grandchild (a girl) in July 2009).

OTCM Rick Matthews, USN (Ret)

I retired from COSL Staff in 1988 and was hired by a company called E-Systems, in the Dallas area. They were the biggest "Unknown" defense contractor in the USA at the time, having numerous Air Force, Army SOCOM, and Government Agency customers. I was hired to work on a large proposal effort teamed with AT&T and ORINCON for FDS-1 SSIPS. A lot of hard work but we were too costly, or so we were told at the time of award. I continued to support various programs for the system out of SPAWAR. After E-Systems was bought by Raytheon, I was the Senior Operations Manager for the BAL at Brawdy until 1995, and helped to design the OSIPS FTA for the Full Spectrum Program. We fielded that system on the USS Buffalo and USS San Francisco, both SPECOPS boats. To see me climb down the main hatch on a 688 boat is truly an exercise in time and space management. We (Hal Cook and Bobby Wisdom were also on the Raytheon team) also flew the mobile version on the Beartrap Aircraft to glowing reviews against quiet NATO diesels in the Norwegian Sea. Bobby Wisdom actually qualified to ride the bird for that collection. One heck of an effort! I was later the Information Technology Manager of the Highpoint and Hatchetman program development and installations in Colorado using SUN and CRAY Supercomputers, and as Systems Operations Technology Manager of the Signal Systems Department at Raytheon's Garland Division. I was diagnosed with heart issues and retired from Raytheon in late September 2002. As a sideline effort I had joined Ed Dalrymple and Jack Holdzkom in developing a web presence for the IUSSCAA, and have been doing that since the late 1990's. All in all, in one form or another, 36 years have been spent in or supporting the system and its alumni. I must say that some of the very best people I have ever had the pleasure to meet were affiliated with the SOSUS/IUSS system. We were truly lucky to have had such a grand adventure.

Life at NavFac Adak, 1970s

by Mike Hein

Having grown up in Iowa experiencing cold winters, being assigned to NavFac Adak after two years in Big Sur, California seemed to be a change in the wrong direction. I was trying to get away from the ice and snow - not go live in it! However, as Kate said in a post to the IUSSCAA website message board "Adak really was a 'what you made it' place". So, what did I make of Adak during my year there.



Naval Facility Adak

I arrived on Adak in October 1973 on Reeves Aleutian Airlines with snow already on the mountain peaks. Reeves reportedly had the best pilots in North America - capable of flying around mountain peaks and landing on tiny little dots of land in the middle of the ocean in dense fog, blinding snow, and white-outs. Reflecting back on it, it was probably true because if they couldn't do it - they weren't flying planes any longer! I remember flying out through the Aleutians the first time on one of their propeller planes and half way to Adak they feathered (SHUT OFF) two of the four engines to conserve fuel. Now where did they say those life vests and rafts were at the start of the flight?

I have to admit that work on Adak was more interesting than at Point Sur. On Adak we actually got to see lines do things and move around the room instead of just making a short curve and usually fading away. However, the real challenge was riding the bus from the barracks to the NavFac. The first challenge was getting down the 3 or 4 steps at the end of the sidewalk down to the parking lot where the bus was parked. In the winter (most of the year on Adak) the steps were frequently icy and without a handrail to hang on to, people often slipped and fell trying to go down them. (Logic for no hand rail was that you couldn't install a handrail when it was icy and when it wasn't icy - no need to install one!) Successfully having made it to the bus, several times we considered having someone walk ahead of it to make sure we were still on the road but were afraid we might run over them if we lost sight of them in the dense fog or white-out! But enough about work - we all did it one place or another.

Before enlisting in the Navy in 1971, I earned a BS degree in botany from Iowa State University. Soon after arriving on Adak, people started asking me if I knew what such-and-such a plant was. I checked out the library on Bering Hill for reference books and realized that the only botanical collections made on the island were by Eric Hultén in the 1930s when he stopped briefly on the island by ship. Eureka! I now had something useful to do when I wasn't on watch.

I frantically started making a plant press - layers of newspaper and corrugated cardboard with a plywood board on the outsides and straps to cinch them down, thus pressing the plants for herbarium specimens. Slow mid-watches soon turned into plant press factories. Not seeing many newspapers on Adak, we improvised and helped a big roll of brown wrapping paper to disappear faster. Any cardboard boxes found sitting around were instantly cut down to pieces 12" X 18" and transported back to my barracks at the end of the watch.

This project soon took on a life of its own! I started collecting and pressing plants that spring and summer as they bloomed. I also collected lichens, liverworts, and mosses as I saw them and made monthly algae collections, photographing each site to document monthly changes. I even had my major professor from Iowa State send me a sediment corer to take core samples to look at the diatoms in them. Hence, the arrival of the "pregnant snake" one day in the mail (three 3-foot aluminum rods that screwed together with the short 1-inch diameter corer and handle in the middle of the cylindrical package - thus the pregnancy). Somewhere along the way we found some wooden stakes, painted the tops bright red, and pounded them in a straight line (as straight as we could get them anyway) across a mountainside near Lake Leone and photographed them each month to determine if the tundra was sliding down the water saturated hillside. Each month I also photographed 1 meter square areas staked out in the tundra at various locations and in the fall we clipped off and bagged all the vegetation in each of them to determine the dry weight of plant material produced in one growing season.

That spring and summer I did a lot of hiking around the island working on "the project", often by myself but at other times accompanied by other members of my watch section for safety. Somehow I arranged to ride along in the helicopter to the west side of the island (Bay of Islands) once, when the search and rescue crew was checking survival barrels positioned around the island for stranded hikers. While they were doing their thing, I quickly collected plants and algae and we all jumped back on the helicopter. However, since this was a training flight, on the way back to the base the pilot decided to shut off the engine and let the co-pilot try to restart it as we free-fell downward several hundred feet! (Why do

pilots always seem to be shutting engines off on aircraft I am in????)

Another day John Dempsey? and I were taking core samples on the hill behind the barracks. We were in a round, flat area about 30 feet in diameter that looked like a former lake bed. We started taking a core sample and got an inch or two of sediment when the rod dropped down about 2 feet. We screwed on the next section and got a little more before it dropped again. With the third rod on we ended up with less than 9 inches of dirt after pushing the rod down 9 feet! We both looked at each other and rapidly moved away from the area! We never did go back with a shovel to see what we were (or weren't) standing on! (Caution: It is a bad idea to randomly dig holes on Adak due to possible unexploded ordinance from WWII!)



NavFac Adak -- OT barracks on left

Plant presses are usually placed in drying ovens to dry the plants or placed in a ventilated box with a light bulb as a heat source. However, this was Adak. Thus the old fashioned radiator in my barracks was converted into a drying oven by setting the plant press on top of it, wrapping a Navy blanket around the radiator and plant press so the heat would go up through the corrugated cardboard in the press, and sticking a mercury thermometer I got from the base hospital into the top of the press to make sure I didn't burn it up. Everything was working great and going smoothly until sometime in mid-summer. I had just returned from a collecting trip and had plants and a press spread out on the floor, washing off the plants and putting them in the press. About then I walked the XO and master at arms for a room inspection! Somehow we reached a mutual agreement that they would just ignore my part of the room for that inspection! I suspect that it was actually because they couldn't figure out exactly how to describe what they saw and what the problem was!!!! [; -)

To make this long story shorter, I eventually published papers on the plants (134 species), lichens (15 species), liverworts (6 species), and mosses (16 species) of Adak Island and wrote a book on the diatoms (321 taxa). Some of the same photos in them are posted on the IUSSCAA website.

Now that you know what I made of my year on Adak, I hope more of you will write of your adventures where you were stationed in future newsletters.

IUSS 55th ANNIVERSARY GOLF TOURNAMENT

The IUSS 55th Anniversary Golf Tournament took place as scheduled on Friday, 11 September 2009, in spite of more than 5 inches of rain that fell in the previous several days. It was still raining hard when I visited the course at NAB Little Creek on 9 September to finalize arrangements. All I could see of # 9 was the tee box and the green. The fairway was about 6 inches underwater, as were #1 and #10 fairways. Seeing this, I was convinced we would have to cancel the tournament, but the course pro assured me we would be able to play at least 10 holes if it stopped raining by Thursday afternoon. He was right - we were able to play 13 holes and had to play a few holes twice for a total of 18.

We had a total of 32 golfers. I'd expected more. Longest drive prize on # 18 went to Kim Pelke. Closest to the pin prize on # 12 went to Pat Carmin. First place low team score went to the team of Al Brandt, Nick McConnell, Pat Carmin, and Cliff Smith. Second place low team score went to John and Pat Ellis, Steve Conn, and Lou Haskins. Third place team score went to Robert Smith, Mike Weir, Brian Shaw, and Ed Haven. Well done all!!

"Hope to see you all at the 60th Anniversary Tournament!"

-- Ed Haven

My trip from Jacksonville, Florida to Norfolk, Virginia for the IUSS 55th Anniversary Reunion was great fun. I met a guy I hadn't seen in 39 years, and played in a golf tournament and won it (sort of). All those guys of my era looked so OLD!

About the golf tournament - It had rained over 5 inches in the preceding days. Sadly, there are fewer of us each year (original group), and there were only 32 players that cold, windy morning. Shivering in my shorts and golf shirt, I was grouped with John and Pat Ellis, and Steve Conn, who were in the next younger generation. We had a blend of complementary skills that made us a formidable golfing machine! John was steady, Steve could hit really long, Pat was an excellent woman golfer which gave us an advantage on many of the holes. I was my usual "I don't need no stinking practice" erratic self, but managed some really good shots when they were needed, including a 15-foot birdie putt on the last hole. Because there were three holes under water, we had to rearrange the order of the holes and play some of them twice. This caused great confusion amongst us old folks, and when scores were posted, we were 2nd with a 64.

Steve being a recently retired Navy Captain wanted to check over the 63 posted by the "other guys" and sure enough, they actually had a 64. An honest mistake though - they were scoring by subtracting from what they thought was par - they were confused! So, we now had two teams with 64. In case of a tie the impartial golf club staff tournament official is supposed to backtrack team scores from the last hole played, and the first hole showing a better score wins the tournament for that team. **SO, WE'RE SITTING IN THE GROUP, BASKING IN OUR ANTICIPATED GLORY FOR WINNING, AND THE OTHER GUYS ARE DESIGNATED THE WINNERS!**

Well, we're all friends, and we decided not to make a big issue of it. We humbly accepted our 2nd-place prize of a nice golf shirt. After lunch I went to the course official and asked how he had arrived at choosing the winner. He said he looked at the score card and backtracked. It was at that point I realized the double-scoring on the cards for holes played twice was written in such a way that our last hole could have been interpreted a par, even though I had birdied it. (No, I wasn't keeping the score, Steve was). So, we shut up, chose the high ground, and left with the moral victory. The fact that the difference between first and second was golf balls in addition to the shirt was a big help! It was a good trip and now I'm back in Florida, ready to play!

--Lou Haskins

IUSS 55th Anniversary/Reunion
12 September 2009
Norfolk, VA



Oldest and youngest Active Duty Sailors perform cake cutting duties at IUSS 55th Anniversary

The Integrated Undersea Surveillance System (IUSS) held its 55th Anniversary Reunion, sponsored by the IUSS-CAESAR Alumni Association, the weekend of September 11-13, 2009 in Norfolk, VA. The event-filled weekend kicked off with a golf tournament Friday morning at Little Creek Amphibious Base, and continued that evening with a “meet and greet” held at the beautiful Norfolk Waterside Marriott. Lots of laughs and many “sea/shore stories” were heard during the course of the evening over hors d’oeuvres and a few (quite a few, in some cases) cocktails! Hotel staff closed the Piano Bar at 0300, much to the dismay of quite a number of revelers!

The reunion dinner was held on Saturday, again at the Marriott. We started out with cocktail hour at 6:00 pm (yes, another cocktail hour...although this one was held to **just** an hour, as opposed to the previous evening!) followed by a wonderful dinner which commenced with the Presentation of Colors and Invocation. Lieutenant Steven Rose from Commander Undersea Surveillance’s (CUS) Operations Department began dinner with some light remarks as Master of Ceremonies. All members of IUSS were recognized along with their many years of service and accomplishments as LT Rose listed each command that has been a part of IUSS, both past and present.

All members were also asked to stand, and then be seated as ascending numbers of years of service in IUSS were continually called out. It was no surprise that long-time member and friend Ed Smock was the last one standing! However, he had competition this year as Bob Kneedler, attending his first IUSS reunion, regaled his IUSS experiences beginning with Project Caesar. We were lucky enough to have Commodore Paul Heim of CUS share a few words as our guest speaker. He recalled a story or two about his experiences at ADAK as a P3 pilot, and shared his gratitude for being a part of such an important and

dynamic “family” in IUSS. Additional guest speakers included CAPT Steve Conn, USN (Ret); CDR Jim Brady, USN (Ret); LCDR Janet Glover, USN (Ret); CWO3 VG Smith, USN (Ret) and OTACS Scott Glover, USN (Ret). The evening ended as it began, with lots of fun and reminiscing, as well as new memories being formed. Once again, the Piano Bar was closed at 0300.

The reunion weekend ended on a high note with tours at the Naval Ocean Processing Facility at NAS Oceana’s Dam Neck Annex in Virginia Beach. A command once restricted to those without clearances was opened to our members and guests. It was an excellent event as alumni members were able to see the technological advances that have marked our community over the last few decades, as well as share their experiences with family and friends!

This was a spectacular reunion, and we have many people to thank for the success of the event. Chairman, IUSSCAA Director Jim Donovan and his staff of IUSS 55th Committee members. LT Hugh Wilson, Joyce Bryant, Cindy Asbury, CMDCM Michael Conran, Debbie Rogers, Tim Wenzel, Greg Clarkson, LCDR Butch Smith, Mike Moseler, Ed Haven, Christine Buswell, and LTJG Elizabeth Sokolowich are to be commended for all of their tireless efforts to make this reunion so special. And a big thank you is in order to members of the IUSS-CAESAR Alumni Association who donated more than \$5,000 to help defray costs associated with the reunion. It was a remarkable event, and we look forward to seeing everyone at the 60th Anniversary Reunion in 2014!

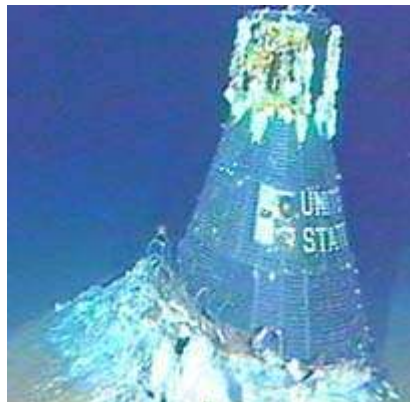
LTjg Elizabeth A. Sokolowich
TrainO/PAO
Commander Undersea Surveillance

Anecdotes from NavFac San Salvador, 1961-63

by Ed Smock, SO1/SOC San Sal

1961 - 63 – Mercury Space Program Support

Cape Canaveral - Down Range - Mercury Program – Mission Control would place a SUS charge (explosive device) in the space capsule for localization by SOSUS Missile Impact Localization System - Broad Ocean Area (MILS-BOA). The SUS would be automatically released when the capsule hit the water, sink and explode. This was the way we located (using time difference fix (TDF) where the capsule and astronaut (i.e., Alan Shepard, John Glenn and Scott Carpenter vintage) landed in the early Space Program days - long before live TV landing coverage. The surface fleet would then steam toward the location at full speed (sometimes taking hours to get there). SOSUS participation was paramount to mission success.



**Liberty Bell 7 - Virgil I. "Gus" Grissom 21 July 1961
U. S. 2nd human flight. Capsule sank after landing (hatch blew off...)**



Our first six astronauts: Carpenter, Glenn, Cooper, Grissom, Sheppard, and Schirra

Photo taken after John Glenn landed at the Aux AFB on Grand Turk 20 Feb 1962 by SOO3 Ron Theriault.

Oct - Nov 1962 – NavFac San Salvador surveyed for possible Cuban conflict troop staging area

One day soon after the start of the Cuban crisis, we observed a TOI containing "numerous" unknown sources. So many that we just had to find out what it was. Considering the geography of the area, I decided to take binoculars and the duty truck to see if I could learn anything. It wasn't long before I discovered a very large naval vessel that was obviously the TOI in question.

I made a drawing of its silhouette and headed back for "Jane's"... It turned out to be the USS Hunley AS-31. Later that day we had high ranking visitors who proceeded for the next 3 or 4 days to survey the island and our facilities. Their intent was to use San Sal as a staging area (tent city) to house troops that may be called upon, and for use as a possible medical facility.



USS Hunley AS-31

1962-63 – NavFac San Salvador to VP Acoustic Data Exchange

We put a VP sonar buoy on the T-Bldg roof and connected/wired its hydrophone to our beam data of interest. The P2V would fly over the T-Bldg, monitor the buoy and see what we were holding, and what they should look for on their grams. Many positive correlations were obtained this way.

Fortunately, when I received orders to San Sal for a one year unaccompanied tour, I rented a place for my family in Jacksonville, FL. I had been advised that VP-10 and 18 flew out of Jax and it might be possible for me to catch a ride, when it was my turn for a "96", back to Jax after a SOSEX/Type Six - Site debrief, etc.

This provided me the opportunity on the return flight to operate with the P2V system. A few times we had plane problems and could not land at San Sal - "Great-for-me". The pilot would advise the site that he was returning to Jax with "one happy PAX" and we would return in a few days for more operations, etc.

En route, I would ride in the "little glass bubble" - at the nose, with no floor. You had to crawl through the bomb bay to get to it. Didn't really care for it too much when we dove down to rig (photo, etc.) our TOI, but I would not have wanted to miss the prosecutions, etc.

PEOPLE NEWS – Winter 2009

751 active members and 237 on memorial list

* New Members

***LCDR MORGAN AMES, USN (Ret)** served as a Surface Warfare Officer (1974-84) and an Engineering Duty Officer (EDO) from (1984-94). His IUSS affiliation includes assignments as Deputy Project Manager and OIC for Oceanographic Support Unit One (1986-87) and SDS Project Manager at SPAWARSSYSCOM, Washington D.C. (1987-91). Since 1994 he has been employed by AT&T; Lucent Technologies/General Dynamics. He and his wife of 35 years live in Alexandria, VA. They have two grown children. Son LT Morgan Ames III, USN is currently serving in his SWO Department Head assignment. ***Ex-OTA SANDRA ANDERSON** of Bridgeton, NJ served in the IUSS from 1985 until 1995 at Guam, Dam Neck (2 tours), Keflavik, Bermuda and Centerville Beach. ***Ex-LT AL ALEXANDER, USNR** and his wife Frances live in Louisville, KY. Al served at NAVFAC Ramey from 1962 to 1965 as OWO, COMMO and Maint/Supply Officer. The father of 4 sons and 5 grandchildren, he retired after 30 years with the Ford Motor Company. ***Ex-OTM2 CHARLOTTE BAKER** resides in Bristow, VA. She attended OTM A-School in 1988-89 with follow-on tours at NOPF Dam Neck (1989-92) and NAVFAC Argentinia (1992-94). Charlotte works for the U.S. Patent and Trademark Office. ***Ex-OT2/Bendix rep KENT BEAM** served at Argentinia from 1973 to 1978 with a double NEC 0622 (OPS/MAINT). As a Bendix representative he served at Argentinia and Brawdy from 1981 to 1994. Kent is presently employed with GE. He lives and works in the UK. ***OTAC PATRICK BILL, USN (Ret)** and his wife of 26 years, Wendy live in Tracy, CA where Bill is a realtor in the Modesto and Tracy areas. During his navy career, Bill was stationed at NAVFACs Centerville Beach, Brawdy and Keflavik. He also served at Atsugi, Japan and CUSP. **Ex-OT2 DEBBIE BREEDEN** lives in Tewksbury, MA. She served at NAVFAC Brawdy (1982-84) and NOPF Ford Island (1984-87).

***Ex-LT SIBBY BOURGOYNE, USNR** settled in Greenwell Springs, LA. Commencing in 1968 Sibby served at Fleet Sonar School Key West (2 tours), NAVFAC San Salvador and NAVFAC Argentinia. He is presently retired from LA state government service. ***LCDR CHRISTINE BUSWELL, USN (Ret)** is the Director of Future Systems and Requirements (N8) at Commander Undersea Surveillance, Dam Neck, VA. She also served at NOPF Ford Island (1986-90). **OTA1 KEVIN CHRISTOPHER, USN (Ret)** and **Ex-OTA1 ANN CHRISTOPHER** were active in the IUSS from 1979 to 1995 at Bermuda, COSL, Adak, Guam, and NOPF and RTF Dam Neck. **MS. ELAINE CLARK, Ex-USN** is married to **CWO4 MICHAEL CLARK, USNR**. They live in Harpers Ferry, WV. Elaine served at NAVFAC Brawdy (1981-83) and Mike from 1979-83. ***AKC JOHN CLARK, USN (Ret)** resides in Newport News, VA. He was attached to MSC in support of USNS ZEUS. ***CMDCM ANTHONY COLE, USN** residing in El Paso, TX is currently attending Sergeant Major Academy. Anthony served as an OT from 1992 to 98 at Brawdy, NOPF Dam Neck, and in USNS BOLD, USNS INVINCIBLE, and MV CORY CHOUEST. ***CWO3 DAVE COLLINS, USN (Ret)** and his wife of 33 years, Melanie have settled in St Stephens CH, VA. Dave served from 1973 to 1993 at Coos Head, Cape Hatteras, Barbados, COSL, COSP, Keflavik, USS CONNELLY and USS GARCIA. He presently works for Johns Manville. ***MR. EDWARD CORONA, USN (Ret)** served at NAVFAC Keflavik (1983-85), NOPF Dam Neck 1985-89), NAVFAC Bermuda (1989-92) and CUS (1992-95). He resides in Virginia Beach, VA.

***Ex-OT1 WILLIAM COX** of Bedford, NH served (1971-79) at FSS Key West (2 tours), NAVFAC Guam, NAVFAC Brawdy and COSL. ***STG2 ANDREW DAVIS, USN** lives in Swanzey, NH. He was assigned as a SO/TR at JMF St Mawgan (2004-2006). **CAPT MERRILL DORMAN, USN (Ret)** is a Senior Engineer with EG&G Technical Services Inc since 1991. Merrill was Commodore, Commander Oceanographic System Atlantic (COSL) from July 1989 to May 1991. He resides in Norfolk, VA. ***Ex-OT DOUG DOUGHMAN** of Council Bluffs, Iowa served at NAVFAC Argentinia (1968-71) and COSP (1971-74). ***OTA MARCIA DOWNING, USNR (Ret)** retired in Virginia Beach, VA in 2007 after 20 years of service in the reserves. She served at NAVFAC Centerville Beach, CUSP and CUSL. **OTA1 TOM DUFFY, USN (Ret)** retired from the Navy in July 1999. For the past three years Tom has operated his own book store "Maple Tree Books" in Warrensburg, NY. ***CTM1 (SS/AW/IUSS) JUAN DUMEY, (ExOTM) USN** is presently stationed in Groton CT at the Naval Sub Base. Juan served at NOPF Whidbey Island (1991-94) and NAVFAC Keflavik (1994-96). ***OTA1 LOIS ELSON, USN (Ret)** of Virginia Beach, VA retired from the Navy in 2005 following a 20-year career which included tours at NAVFAC Bermuda, NOPF Dam Neck, NAVFAC Adak, CUS, TSC Sigonella, NOPF Dam Neck MILDET and SUBTRAFAC OTA School. Today Lois works for SAIC in Suffolk VA as a Senior C4ISR Functional Analyst. ***NCC DONNA ENRIGHT, USN (Ret)** has settled in Little Rock, AR. Donna was stationed at NAVFAC Centerville Beach (1979-81), NAVFAC Keflavik (1981-84) and FLTASWTRACENLANT (1984-90).

MR. HIRAM ESCABI, JR. worked for TRW Inc. as a Product and At-Sea Installation Engineer for the Undersea Systems Project (primarily FDS and SOSUS Shore Based Equipment). Hiram and his wife of 22 years, Catherine Thompson reside in Germantown, MD. ***Ex-OTA2 DAN EVANS** of Elk Grove, CA attended OT-A school in Norfolk in 1981. His IUSS tours included NAVFAC Centerville Beach (1982-84) and NAVFAC Adak (1984-86). **STG2 DANIEL FELOCK, USN** is stationed at NOPF Whidbey Island and is assigned as a Fixed Supervisor, SURTASS Supervisor and Lead Analyst. ***OTMCS(SW) DAVID FIFE, USN (Ret)** resides

in Radcliffe, KY. During a 27 year career in the Navy (1965-92) Dave completed 7 tours of duty on naval combatant ships and 7 tours of duty in the IUSS including FSS Key West, NAVFAC Grand Turk, NAVFAC Brawdy, FLTASWTRACENLANT, NOPF Ford Island, CUSP and NOPF Whidbey Island. Today he works for the U.S. Postal Service in Elizabethtown, KY. **MR. DANIEL FLICKER, BTL/TRW/BBN/LMSC** lives in Ashburn, VA. He was employed full time in service to IUSS from 1968 until 1995 and part time until 2006. Michael continues to consult for IUSS. ***Ex-DS1 RICHARD FINDLEY** served as a maintenance tech at NAVFAC Adak (1882-84) and NOPF Dam Neck (1984-86). He also supported SURTASS LFA as a contractor from 1987 to 2000. He is presently a consulting manager for Symantec in Graham, WA.

***OTA1 JOSEPH GOLDEN, USN (Ret)** retired from the Navy in 1995 as a SURTASS ship rider. He currently is employed by Global TAC in McLean, VA. Joe's Navy tours included NAVFAC Bermuda, Sub School Groton, CT, NOPF Ford Island, RTF, and NOPF Whidbey Island. He and his wife Donna reside in Fredericksburg, VA. They have 3 children and 2 grandkids. **Ex-OTA2 LYNN GOLDHAMMER, USCG (Ret)** has moved from Pinehurst, NC to Bradley Beach, NJ and is attempting to build a small business as a Group Process facilitator. As a USN reservist, Lynn supported COSL and NAVFAC Adak.

***Ex-OT DEARL HARDY** of Brownsville, TX is a Christian Country Music Artist. Happily married with 2 beautiful daughters, Dearl reports he's "travelling the world and enjoying life." ***Ex-OTA CRYSTAL (MCCLAMMY) HARRIS** of Mesquite, TX served in the IUSS from 1882 to 1994 at Dam Neck, Guam, Centerville Beach and COSL. She is now working for the U.S. Office of Personnel Management. Crystal is the sister of Association member Stacie Rose and sister-in-law to Steve Rose. ***Ex-LT JAMES HASSAN** served at NAVFAC Centerville Beach (1976-78) and COSL (1979). Married with 4 children, James is a retired NYS Conservation Officer. He lives on his farm in the Allegany Mountains in Western NY. ***CAPT PAUL HEIM, II, USN** of Virginia Beach, VA is the current Commander, Undersea Surveillance. Commodore Heim assumed the role in March of 2009. **PO2 PAT HENNESSEY, CF (Ret)** served in the IUSS from 1969 until 1989 at NAVFAC Argentina, CFS Shelburne and CFS Halifax. Reporting from Bathurst, NB, Canada, Pat says, "I'm enjoying retirement and deeply involved in genealogy ... or should I say addicted to it?" ***OTAC CHERYL JACKSON, USNR** is a small-town police officer living in Santa Fe, TX. Cheryl's IUSS tours (1983-87) include NAVFACs Centerville Beach, Keflavik and Argentina.

***Ex-OTM KATE (WARDAL) JINKERSON** lives in Oakdale, CT with her husband, IUSSCAA member **STSC SHAWN JINKERSON, USN**. Kate served at NOPF Dam Neck, NAVFAC Keflavik and NAVFAC Brawdy during the period 1986 to 1995. ***Ex-OT2 DAVID KISTLER** of Newport, TN reports he is "semi-retired" and working in Charlotte, NC. David served at NAVFAC Centerville Beach (1970-71) and USS HAMMERBERG (1971-73). ***Ex-OTA2 ANDREA KNUDSEN** of Orlando, FL was stationed at NOPF Dam Neck and NAVFAC Brawdy. ***Ex-OT1 JACK LECZA** lives and works in East Haven, CT. Jack served in the Navy from 1976 until 1984 at Grand Turk, Keflavik, COSL, A3 student at RTFC, and commissioning crew of NOPF Ford Island. ***Ex-OTA1 WAYNE LEIBITZKE** served at NAVFAC Adak, IUWG-1, COSP and NOSC San Diego from 1973 to 1983. Since 1983 he's been employed at NOSC San Diego (IUSS and C4I) as a DON civil servant. ***Ex-OT2 WALTER MACNEIL** lives in New York, NY. Following OT A-School in Key West, FL in 1973 he served consecutive tours at NAVFAC Coos Bay, in USS HAMMERBERG (DE-1015), and at NAVFAC Cape Hatteras. ***MR. DANIEL MARTIN, WECO** was an initial hire at the age of 20 to Western Electric Company in 1977. He retired from general Dynamics (ATS) in Greensboro, NC in 2005. A breakdown of his career reveals he was a Senior Engineering Technician aboard various USNS ships in direct support of IUSS initiatives from 1977 until 1992. From 1992 until 2005 he served in multiple lab engineering/technical assignments related to design, development and production of IUSS programs.

CDR GERRIT MAYER, USN (Ret) retired in 2007 after 36 years of faithful service in the Navy rising in rank from E1 to O5. His IUSS service included tours at NAVFAC Brawdy (1987-90), RTF Dam Neck (1993-94), NOPF Dam Neck (1994-96), CNFJ, Yokosuka, Japan (1999-2002), Commanding Officer NOPF Whidbey Island (2002-04) and XO, JMF St Mawgan (2004-07). Gerrit and his wife Roz settled in Virginia Beach where he owns and operates a basic residential repair business. ***LCDR DAN McGUINNESS, USN** is assigned to NOPF Dam Neck as Executive Officer since 2008. Previous IUSS tours were at CUS as N50 (2002-04) and N3/N5 (2006-08). ***Ex-RM3 THOMAS MCHUGH** of Dunellen, NJ was stationed at NAVFAC Grand Turk (1970-71). ***Ex-OTA2 BRIAN MCKEE** of Parma, Idaho served at COSP and NAVFAC Centerville Beach. ***Ex-OTA1 MANNY MOLINA** settled in North reading, FL. During a ten-year affiliation with the IUSS (1984-94) Manny was stationed at Dam Neck, Ford Island and he was a Hughes Aircraft Ship rider. He completely retired from work in 2005. ***MR. JAMES "RANDY" MOSS** served as an Acoustic Engineer with AT&T and Lucent Technologies from 1981 until 2000. He retired in 2001. During his career Randy served on USNS ZEUS, USNS NEPTUNE, USNS MEYER and USNS MIZAR.

***Ex-STG3 JAMES NIELSEN** retired to New Fairfield, CT. He served as a Watch Section Supervisor at NAVFAC Eleuthera (1965-67). ***MR. MARK PETARDI** worked at Western Electric (WECO) from 1977 until 1997 on IUSS programs. He resides today in Pataskala, OH. ***OTMCS RONALD REA, USN (Ret)** retired to Houston, TX in 1985. His IUSS tours included COSP, Adak, Centerville Beach, Guam and Whidbey Island. His 25-year Navy career also included USS CONSTELLATION CVA-64 and USS DIXIE AD-14. Since retirement from Navy Ron worked as a GE representative at various IUSS locations. ***Ex-OTA2 SUZANNE RICHEY** resides in Mims, FL. She served at NOPF Whidbey Island and CUSP. ***Ex-OTA2 ELLEN (WRIGHT-ROOTES) RODMAN** was stationed at NAVFAC Brawdy (1987-89) and COSL/CUS (1989-92). She was also a military spouse at

Ford Island, HI (1995-97). Today Ellen is living and working as a 6-8th grade school teacher in the Chicago area (Algonquin, IL). She and her husband have 4 children with the two oldest in college. ***LT STEVE ROSE, USN** and ***Ex-OTA2 STACIE ROSE** have settled in Virginia Beach, VA. Both were stationed at NOPF Dam Neck (1986-88), NAVFAC Brawdy (1988-91) and RTF Dam Neck (1992-94). Steve went on to serve at NAVFAC Keflavik (1994-96) and NOPF Dam Neck (1999-2001). Commissioned an Ensign under the LDO program, Steve is currently assigned to Commander, Undersea Surveillance.

***OTMC JIM RUSSELL, USN (Ret)** served at NAVFAC Lewes (1964-66 & 1970-72), NAVFAC Keflavik (1967-68), NAVFAC Adak (1968-70), NAVFAC Bermuda (1972-76 & 1979-83) and FLTASWTRACEN (1976-79). Jim retired from the Navy in 1986 and worked as a contractor at NASA until 2008. Today he is active in the Volunteer Fire Company on Chincoteague Island, VA.

***OTC ROY SIMONIS, USN (Ret)** cross-rated from ETR2 to OTA2 in 1976. He served at NAVFAC Midway (1976-77), OT C-School Key West (1977-78), NAVFAC Barbers Pt (1978-81), NAVFAC San Nicolas Island (1981-83), NAVFAC Brawdy (1983-85), NAVFAC Coos Head (1985-87) and NAVFAC Adak (1987-90). He lives in Kennewick, WA. ***Ex-SO DAVID SMIYH** resides in Reno, Nevada. According to David: "I was stationed at Centerville Beach in 1958 and 1959. I was married in Ferndale. The naval facility had a very good basketball team (we were terrible the first year). I do remember a few names of the guys: Tom Geisler, Bill Jackson, and Tom Pate. Back in the 50's we were called Oceanographic Research. We all started as Sonarmen, schooled in Key West, FL and sent to Centerville for pre-commission of the base. It was great duty! Want to know more? Contact me at drenoslim@aol.com."

***Ex-OT RICK SNOVER** of San Diego, CA was stationed at NAVFAC Brawdy (1977-78), USS ALBERT DAVID (1979-80), NAVFAC Centerville Beach (1980-83) and OSSA/NOSC San Diego (1984-87). ***SKCS STEVEN SNYDER, USN (Ret)** works for the City of Orlando, FL. He plans to retire fully in May, 2010. Steven was an SK2 at COSL (70-72) and an SK1 at CFS Shelburne, NS (72-76). ***Ex-OTA1 DOUGLAS SPENCER** and his wife Patti live in Virginia Beach, VA. Douglas works at Lowe's as a Live Nursery Specialist (Master Gardener). His IUSS tours of duty included Bermuda, Dam Neck (2 tours), COSP and CUS. ***Mr. L.A. SPINDLER** of High Point, NC worked for 32 years at WECO/AT&T/Lucent Technologies as a Field Engineer (67-85), Project Manager (85-90), and on Technical Staff (90-99). He worked for World-wide Marine (WWM) as an Engineering Manager from 1999 to 2002. ***CTT1 RONNAE STATELY, USN (Ret)** of Suffolk, VA cross rated from OTA in 1997. IUSS tours included NOPF Dam Neck, COSP and CUSL.

***OTAC PETE SZLACHETKA, USN (Ret)** settled in Newport News, VA following retirement from the Navy in 2001. During a 20-year career Pete served at NAVFAC Adak, NAVFAC Argentia, CUSP, NOPF Dam Neck, CNFJ, and CUS. As of mid 2009 he was deployed to Iraq as a Senior Systems Engineer providing UAV Video support to warfighters. ***Ex-OT DANETTE TALLEY** of Benton, AR is a Computer Programmer with 4 grown children. She attends college full time working on a Bachelor's degree in Management Information Systems (MIS). ***LT PATRICK VEZETINSKI, USN (Ret)** of Edmonds, WA served in the IUSS from 1969 (ETR2) until 1985 (LT). Assignments included NAVFACs Grand Turk, Adak (2 tours), Pacific Beach and Point Sur where he served as Ops Officer and OIC. ***Ex-OT2 JOSEPH VOLPI** of South Setauket, NY was stationed at NAVFAC Bermuda (1968-70) and NAVFAC Midway (1970-71). ***OTACS GUY WHITELEY, USN (Ret)** settled in West Seneca, NY. Guy served at Keflavik from 1981 to 1984 and Argentia from 1984 to 1989. ***OTA1 THOMAS WILLIAMS, USNR (Ret)** served at NAVFAC Brawdy, NOPF Dam Neck, CNFJ and CUS from 1983 to 1993. He joined the naval reserve in 2000 as an Information Systems Technician (IT) and retired in 2008. He lives in Fisher, IL. ***MR. LINWOOD WILLIS, GS (Ret)** retired to Fairfield Harbor in New Bern, NC with his wife Ina in 2005. Lin had a lengthy career in the IUSS. He served at NAVFAC Centerville Beach (1963-65), NAVFAC Adak (1965-67), COSL (1967-68) and ONI (1969-99). While at ONI he was at STIC, NISC, NTIC and NMIC. Following retirement from the Civil Service Lin worked as a consultant at JHU/APL until 2004.

***OTACS JOE WOLFE, USN (Ret)** of Fort Mill, SC completed successful tours at Key West, Midway Island, COSP, San Nicolas Island, ASW Training Center, Dam Neck and USS COMPTE DE GRASSE DD-974. His wife Rosemarie is a former NAVFAC Radioman. ***Ex-OTA2 PINKIE (RIGBY) WOOD** is a Safety Director for construction in Portsmouth, VA. Pinkie served at NAVFAC Keflavik (1987), NAVFAC Centerville Beach (1987-90) and at Dam Neck (1990-93). ***Ex-OTA2 DARIN WORKMAN** lives in Gainesville, GA. His IUSS tours of duty include NAVFAC Bermuda (86-89), NOPF Dam Neck (90-93) and NAVFAC Argentia (93-94).

We are pleased to report that our member **OTA1 MIKE DUGGAN, USN (Ret)** is making a steady recovery after suffering a severe, debilitating reaction to a routine medical/dental procedure a year ago. Mike was recently able to move from an assisted living facility to an independent one, in Pittsburgh.

In Memoriam

We regret to report the passing of the following eighteen “shipmates” from our IUSS Community, whose names have been added to our website In Memoriam page since the last issue of **The Cable**. Sadly, the In Memoriam page now contains 237 names.

Last name	First name	MI/AKA	Rank/Rate/Title	System Affiliation	Deceased
CARMIN	Stanley	L. “Stan”	OTCS/GS	USN/GS 1966-2004	Jun 2009
CARPINO	Tom		ENCS	USN 1975-76	Apr 2009
CARTER	Ashley	H., PhD	Civilian	BTL 1953-1990	Apr 2008
DUPREE	James	"Curtis"	Civilian	WECo 1966-1994	Jul 2009
ENRIGHT	Dan	"Sarge"	OTM1	USN/Contr 1976-1994	Mar 2009
FAHLER	Danny	J.	CDR (ex-HM1)	USN 1970s	Oct 2009
HAYES	William	V. "Bill"	CAPT	USN 1979-1982	Dec 2008
HOUSEWORTH	Wayne		STC	USN 1950s	Sep 2009
HUPP	L.	L. "Lee"	STGCS	USN 1950s-1960s	May 2009
NESBITT	Gerald	H.	STGC	USN 1960s	Sep 2005
NORWOOD	Charles	A.	Civilian	WECo 1950s-1970s	Nov 2002
PECUE	John	W.	CWO3 (ex-OTC)	USN 1973-1986	Feb 1997
SIZEMORE	James		BMCM	USN 1960s	Dec 1966
SLACK	Robert	H. "Bob"	CDR	USN 1980s	May 2009
STEAD	William	A. "Bill"	OTMCS	USN 1968-1990	Oct 2009
TROTTER	Carl	G.	CS1	USN 1959	Aug 2009
WALKINSHAW	Helen	M.	Civilian	BTL 1952-1990	Jun 2006
WOLD	Michael	H.	OTCS	USN 1960s-1980s	May 2009

IUSS / CAESAR



Alumni Association

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***Remember to visit our website:
www.iusscaa.org***