

The Leaf

VOLUME X ISSUE 111

PROUD MEMORIES

Summer 2008

- Events *
*NOL Lunch 2nd Mon @Golden Bull in Adelphi
*Holiday Luncheon Friday, 12 Dec 2008. @ 1100 @ Golden Bull, Gaithersburg, MD.
*WOLAA Night @ Strathmore. Details TBD
*Florida Reunion in Dade City, Fri, 13 March 2009.

11 September 2001.....GOD BLESS AMERICA!

WOLAA Web Site: www.wolaa.org

News from WOLAA.

***Independence Triangle.**

-My family recently toured the Independence Triangle of Jamestown, Williamsburg and Yorktown. What a great way to be ready for a meaningful 2008 Independence Day. The struggles to begin our country are made clear at Jamestown and the history being discovered at the actual site of the colony. Williamsburg is a reminder of the courage to be leaders and to reflect on the many men from Virginia who were the genius of independence. Finally, Yorktown reminded us of the sacrifice of the army and navy to bring us the freedom each of us can enjoy. Enjoy your fireworks and picnics; but reflect on Independence Triangle.

***Holiday Luncheon.**

-Mark your calendars now. The WOLAA Holiday Luncheon will be on Friday, 12 July 2008 at 1100 at the Golden Bull in Gaithersburg, MD. Santa Dee promised a unique gift for all; WOLAA cookies; and a festive Ballroom. This event has become larger than the May one. We believe all enjoy getting together during the holiday time. Plan to attend now and ask another alum to attend with you. Have a lot of great WOLAA T-shirts for you to purchase as gifts or for yourself----gray, tan, and white; M, L, and XL.

***May General Meeting & Luncheon Report.**

-We ordered 124 dinners and served 119 (only 7 people didn't make it and this is the fewest "no-shows" ever), including 2 "drop-ins." It appeared everyone had a very good time; and feedback on meal has been good. Pat had the prime-rib and I the crab-cake which we both really enjoyed. My thanks to the "guys" who assisted people with the lift. A special thanks to Dee for making the arrangements and being our WOLAA store manager. I can't leave out Bill Ryan, who patiently deposits our checks, pays the bill and balances the books. Our meeting was brief as usual. The election was quick. We gave a brief status report on Historical Preservation and had architect drawings of the Proud Memory Garden, Bennett Lobby, and WOL Wall.

***Historical Preservation.**

-Your committee to prepare text/pictures for garden, lobby, and

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- The LEAF is published quarterly by the WOLAA, Inc. for its members.

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wall has met several times and is making progress. We hope to have detail by the Fall LEAF.

-The Building 1 restoration is to be done by November 2008 and the FDA Commissioner is planning to move to his new spaces at that time. I'm sure there will be some type dedication and tour at that time. We hope we can arrange a special tour for former WOL employees at that time and arrange to have employees attend the dedication. We will give you more info in Fall LEAF and would follow this up with a special mailing and process for attendance. If you go by NOL, you will find the new entrance/circle almost completed. The new entrance (old basement of Bldg 1) has been cut, the canopy is almost done, and the wall around the new circle is taking shape.

-Quarters A and B. They had been on list for demo. What a shame; I thought they would make a great VIP quarters for FDA re outstanding scientists coming to FDA for their sabbaticals or a small group conference center. Guess What! Public Health part of FDA is having them restored for VIP use. They will retain the same foot print and only the sun-rooms will need to be re-built. They will be named for former Surgeon Generals----one will be named for Dr. Koop. So, our "preserved" buildings at the WOL site will include: wind tunnel bldgs 405 and 409; Quarter A and B; Fire Station; Bldg 130; Bldg 1; and "flag-pole." No decision appears to be made on 200 area; but GSA is using Bldg 201 for maintenance storage.

Tunnel 1. Dan Marren, manager of tunnels for the Air Force, has been actively saving the history of the 400-area. He recently created a display of the history of Tunnel 1. He has used the test section of the tunnel and inserted models used by the German scientists to create a very interesting display. We are working with Dan to determine if it can be part of the display in the conference center of FDA, which is adjacent to Bldg 1.

***Missing Alumni.**

-We have located a few more of our missing alumni over the last three months. The updated list appears in Supplement A. Please take a few minutes to review the list and provide us with information on those on the list. Thanks.

Book Review Johnny Grams

Mjt

Only one book this LEAF. I discovered this book over the internet and ordered it from Amazon as it was so inspirational that it was a must read

***The Last Lecture by Randy Pausch with Jeffrey Zaslow (2008).**

Picture a young computer scientist with a wonderful wife and three young children. He is a professor at Carnegie Mellon. An excellent and exciting professor and lecturer. His first sabbatical was at Disney with the imagineer team that creates all the great software for Disney. After that experience, he creates a very successful institute at Carnegie Mellon for creativity. Then, he discovers he has cancer. It is not curable and time is short. At Carnegie Mellon, every professor when he retires gives a last lecture for all to attend. Randy decides he will give his last lecture. All knows about his situation. The lecture is based on his childhood dreams and really achieving them. You can watch his lecture on You Tube. I was doing OK til he spoke to his wife and called her up on stage. It is clearly worth your time to watch. Go to You Tube and type in Randy Pausch in the search box.



His childhood dreams were: Being in Zero Gravity; Playing in the NFL; Authoring an article in the World Book encyclopedia; Being Captain Kirk; Winning stuffed animals; Being a Disney Imagineer. How many do you think he achieved. Bet you will say not "Being in Zero Gravity." Don't be too sure. You will be amazed how he achieved his dreams. I'm not sure I had a great many childhood dreams and certainly not the interesting set Randy did. How are you doing on your dreams?

WO LEAF 4.0

Ramblings of a Senior

Mjt

*iPOD.

The last time this senior rambled it was about Emily our GPS for our car. Emily continues to do well and has become a part of our family. She has never let us down; although on a recent trip to Johnstown, PA, she took us over a gravel and windy road to get to our destination which was the Johnstown incline, which naturally is on a high hill overlooking Johnstown. The lesson is when in a city don't set Emily to take the shortest route. Oh well.

So as we get use to our latest adventure in technology, our son and family decide, since we spend so much time in our car traveling, that we needed an iPOD. As I type this, I now have an iPOD plugged in my ears. I can't believe how much this little device can load in it—including video's and pictures. I have no clue how to do the videos and pictures; music is another story. Joe loaded several albums to get me started; and he showed me how to communicate with iTunes on internet---at least he tried. The first time I loaded one of my albums---OK it was Yanni---I loaded it three times into my laptop and transferred the album zero times to the iPOD. Quickly, a phone call to Joe in NJ. I am getting better; but have music all over the iPOD and have no clue to get exactly what I want to listen. I use the shuffle (Plays songs at random) feature and hope for the best. Joe did introduce me to an amazing artist; her name is Eva Cassidy. She tragically died very young from lung cancer; she was from Maryland and played in local clubs. Her version of "Somewhere Over the Rainbow" is simply amazing and will make you forget Judy Garland.

When our grandson, Jon, saw us loading our iPOD he decided we had to have a CD of his type music loaded on the iPOD. I had gone through a generation gap in music with Joe 30 years ago; so here I go again. But you know what, I am enjoying Jon's music---well almost all of it. I have heard of zero artists that he listens. I guess it is never too late to learn. Besides, Jon doesn't think I am real, real old. God Bless him.

*USS Monitor.

I have followed the raising of the USS Monitor "from a distance." Recently, our family discovered the USS Monitor story. We visited The Mariners' Museum in Newport News, VA. What an amazing museum and park. Go to [http://www.marinersmuseum.org](#) for all the details. The museum currently features an amazing display of the USS Monitor. It begins with an overview movie of the Monitor, mock up of the bow of the Virginia, displays of the relics from the Monitor and mock-up of its cabins; movie of the battle between the iron-clads—super; mock-up of the turret as it would look in 1860's; mock-up of turret as recovered from 235 feet of water; full scale model of the Monitor; an amazing movie of the recovery of the turret—what an underwater recovery feat; and finally the recovered turret and cannon soaking in special tanks to "restore" them. Did we learn a lot. First, I thought they had raised the entire Monitor; they raised the turret and many relics. The recovery plan and operation was just amazing. They invented a special device called the Spider to bring the turret to the surface after cutting it away from the rest of the ship. The Spider was a multiple set of tongs to just fit around the turret. The diver's skill to do this work was amazing. The recovery would have been a lot easier if the Monitor had sunk with the turret up; instead, the turret was underneath the ship. Many discussions were held, including while at sea, as to the best way to remove the ship from the turret. Finally, to my surprise the US Navy had over 90 of this type of ship, and some were still in service during WW I. My family strongly recommend a visit to see the turret of the Monitor and relive a critical period of Naval history.

Features.

*Alumni Updates

-**Dave Gates.** Dave wrote to WOLAA, "Many years pass. I'm about to retire again after 13 years of teaching at William and Mary. Great fun!"

I never seem to be able to get up for any of the WOLAA events—did in the early years. I've wondered often about my good friend Bob Piacesi; do you hear from him? Also, I've lost contact with Theresa Ayars (Maybe not Ayars anymore.) Is she in touch with anyone, perhaps Ken Caudle? If you know, I'd like to hear. Still hoping to get up for a gathering; my co-workers are getting up in years."

-Charlie Bowersett. Charlie emailed WOLAA, "Got the news letter today and enjoyed it a lot. A suggestion: why not publish a directory of all members with addresses and email addresses. Would be nice to contact some of the old friends; if the expense is too great, charge a fee for it. Was interested that the Florida group is still active. Dwight Lord and I started that gathering around 1985, and it's good to hear it's still active. We used to have over 100 attend each year. Wish I could still attend. Best Wishes."

Editor Note. The WOLAA Board has discussed adding email addresses to our directory. It could also be used to develop a WOLAA mailing list to send notice of luncheons and even send LEAF. Will consider again. Perhaps for next membership drive, we can add email address to form and gain permission to put in directory. Will keep you up to date in later LEAF's.

Mk 48 Picture from Spring LEAF. Bill Jones, Ray Grove, and George Daniello identified the U10 ME design team. From Left to Right:

1. Dick Plenge; 2. Dave Mathis; 3. Ray Grove; 4. Hank Anderson; 5. Art Shipley; 6. Leon Markulis; 7. Dick Bartik; 8. Craig Roberts; 9. Jim Radford; 10. Vivian Costley; 11. Bill Jones; 12. Steve Templin; 12. George Daniello.

-Bill Jones. Bill emailed WOLAA re Mk 48 picture id "Sorry I didn't make the Florida reunion this year. Things got a little hectic around that time period, but I'll try to attend next year.. On the missing alumni list, Bruce Garber passed away earlier this year after a long struggle with prostate cancer. He was living in western North Carolina, and he and his son, Dan, would join a bunch of the old (and I do mean old) golfers in Myrtle Beach every October for a week of golf. This past October he could barely play, but he was a real trooper. Re the Mk 48 picture, my wife made me shave off the mustache shortly after this was taken. The picture was taken in 1975."

Ray Grove. Ray wrote, "Dave Bradley (a former White Oak alum now at Penn State University) passed along a copy of the Spring 2008 WOLAA Leaf publication recently. A photo of the MK 48 Torpedo Mechanical Team brought back memories of White Oak. I am in the photo standing the third from the left at the tail of the torpedo. This is a early 1974-1976 picture of the team. I can identify most of the others. I remember all of the faces but can't recall several of the names.

My first job fresh out of college with a degree in Mechanical Engineering degree was at White Oak in the Air & Surface ME Department in 1968 under Norm C and Felix Young. I later transferred in 1972 to the Underwater ME Department under Ken Baker and Jim Radford. I met and married my wife, Jeannie Turgeon, from the secretary pool at NOL. I left White Oak in 1976 to work at Penn State University at the Applied Research Lab (used to be the Ordnance Research Lab) to work on SCEPS. I retired from Penn State in 2006 after 30 years working in research of high energy propulsion systems. We still live in the same rural area 20 miles from State College. Both of our adult children work and live nearby and we have a new grandson.

We keep in touch with Harold Herring (former White Oak alum) who moved to Colorado from the DC several years ago. Harold has become an avid long distance hiker and is now walking along the Appalachian Trail for the second time. Jeannie and I are also traveling often and enjoying the good life. Best Wishes, Ray Grove"

Ray Grove
981 Lower Georges Valley Rd
Spring Mills, Pa 16875

-George Hamlin. George emailed WOLAA re the new Dr. Bardeen stamp, “I have secured a few panes of the Bardeen stamp. These things were not issued separately but as a part of a sheet with three other scientists: Gerty Cori, Linus Pauling, and Edwin Hubble. The sheets have 20 stamps, 5 for each scientist.



I won't be able to attend the May event but I can bring them to the winter meeting. On the other hand, if you or anyone else wants any or all of these things now, for yourself or for resale in May, I'll be pleased to ship at the following rates: Sheet of 20: \$8.50 plus postage, call it \$9; 5 Bardeens; only \$2.15 plus postage, call it \$2.50 (I'll cut them off with a paper cutter rather than ripping them). I bought 8 panes plus postage from the USPS "Fulfillment Center." You can also have the whole lot, therefore, for \$66.60 plus another round of postage, call it \$68. If I end up selling the Bardeens only, I will use the remaining stamps for other postage. 'Course I'm trapped with the rate increase on 12 May, but life isn't perfect. And unsold Bardeens will end up being used, too, after November.”

-Mary Lacey. Pete Eskin sent an email to WOLAA re Mary Lacey,” In case you didn't see it, the Federal Diary column in the Post on Tuesday, May 27 2008, was about Mary leaving her assignment as program executive of the National Security Personnel System (NSPS) after four years in the post. She is being reassigned to her “roots in engineering” as Deputy Program Director for the Aegis Ballistic Missile Defense in the Missile Defense Agency. The bulk of the column gave six paragraphs of quotes from Lacey about her experiences in the NSPs.”

-Orlando Marinaccio. The selection of singers for the chorus to sing at the National's Stadium when the Pope visited Washington this year was very competitive. Orly tried out for the choir and was one of several hundred to be selected. He also sang in the choir the last time a Pope visited the US. He was interviewed by the Washington Post and appeared on the Channel 7 nightly news. He said the rehearsals were very demanding as the director was a perfectionist. Orly noted that a total of 4 choirs sang for the Pope, and they began singing about two hours before the mass. Clearly a great honor and proud memories for Orly.

-Ed Baker. Ed emailed WOLAA re this medical recommendation, “Folks— see the note from this week's Washington Post on CDC and Shingles. Many people are not aware of shingles and its severity. CDC is finally recommending getting the shingles shot. People can get shingles at any age; but the risk goes up with age. I have been with many people who have had or currently have shingles. Sometimes the shingles do not go away, and people have painful shingles for long periods. It is very, very painful for those affected.

If you have had a Chicken Pox shot as a child you are at risk. You may want to get a shingle shot. I did! Even if you had shingles, a shot can help prevent reoccurrence. For me BC&BS hospitalization paid for the shot. Chances of getting shingles if you have had the chicken pox shot is 50-50. I encourage your consideration of discussing with your physician about getting a shingles shot.

Editor Note: My understanding is if you have had chicken pox at some point in your life, the virus remains, and you can get shingles later in life. Pat and I both have had shingles. We were fortunate that they were not painful. At the time, we had them there wasn't a medicine for shingles. The doctor gave me steroids. My sister-in-law had shingles, and her case was very painful. Some 20-years later, she still suffers from pain. Discuss this topic with your Doctor.

*Technical

-Seaframe. This is the Carderock Labs Technical Magazine. A well done technical publication. The last two have had great articles about WOL functions.

“Electromagnetic Research Measurement Array“ by Jim Miller. “Galfenol—A Disruptive Technology” by Dr. James Restorff, Marilyn Wun-Fogle, and Dr. Art Clark. Note NOL at end of this new material. “Closed Loop Degaussing” by William Gay. I will have copies of these at Holiday Luncheon.

***Deceased Alumni.**

Please inform Houston Cole of any information you have about deceased alumni: phone is (410) 489-2977 or email or write WOLAA. Please check the WOLAA web site for more timely information than can be provided by a quarterly newsletter.

John K. Magee. WOLAA was notified that John is deceased. He worked in the Technical Shops.

Edgar Berdahl. WOLAA was notified that Edgar died July 2007.

Jack Wise. WOLAA was notified that Jack died early in 2008. No other information is available. He worked in the Systems Evaluation Division of the Air and Surface Evaluation Department.

Richard S. McDaniel. Harold Andrus notified WOLAA that Richard died in January 2008. He was a marine guard at NOL. He was married to Dorothy McAllister, who also worked at NOL.

Dr. Marvin S. Weinstein. Bob Ridgway notified WOLAA that Dr. Weinstein died at age 80 on 8 March 2008. He was born in Brooklyn, NY. After serving in the Navy in WW II, he graduated from St. Louis University in 1948 and then joined NOL. He was an acoustician and worked in the Evaluation Department at NOL in the 200 area. He received his PhD in physics from the U. of Maryland in 1956. In 1959, he left NOL to form the successful company, Underwater Systems, Inc. The company developed acoustic systems that determined the depth of underwater explosives. He is survived by his wife of 55 years, Dorothy; children, Joseph Weinstein and Judy Balthazar; and a grandson.

Bruce D. Garber. Jack Waters informed WOLAA that Bruce died at age 78 on 10 March 2008. He had lived in Hendersonville, NC since 2002. Bruce had been married to Eleanor Garber. He is survived by sons, Daniel and Darrien; and 3 grand children. Bruce graduated from Virginia Tech with a BSEE and worked at JHU/APL for several years before joining NOL. He worked on SUBROC and became the lead electrical engineer for SEAL weapons. He retired in 1985 from NSWC and then worked for Vitro.

Anna K. Sery. Bob Sery informed WOLAA that his wife died on 17 March 2008. He noted they would have celebrated 60 years of marriage in June of this year. Bob worked in the NSWC Research Department.

Dr. Richard Roberts. Jim Proctor notified WOLAA that Dr. Roberts died in April 2008. Dr. Roberts headed the Math Department at NOL. His son wrote WOLAA the following note: "Thank you for the expression of sympathy on the death of my father. I am happy to learn that the WOLAA is keeping the memory of NOL alive. My father enjoyed his work there and I have happy memories of the place myself. When I was a child in the 1950's I saw them raise the flags out front many times when my mother dropped my father off for work. I also recall attending several open house events. I wonder if you have any information about Bob Wilson, who was my father's boss at NOL for several years. My father had lost touch in recent years. Best wishes. David L. Roberts."

Samuel A. Humphrey. His daughter, Beth Hoogland, sent WOLAA note indicating Sam died at age 81 on 7 April 2008. He is survived by his wife, Peggy; daughters, Beth Hoogland and Penny Humphrey; and grand children; Lucie and Alex Hoogland. Sam was the Project Manager of CAPTOR and was the U Department representative in CMWC, Charleston, SC. See tribute in Summer LEAF

George P. Kalaf. George's wife, Peggy, sent WOLAA an email indicating George died at age 79 on 19 April 2008. A memorial service was held for George in Port Charlotte, FL on 17 May 2008. He is survived by his wife, Peggy; sons: Nathan, Michael, Ken, and Stephen. He had six grandchildren: Kris, Cameron, Graham, Stephen, Tara, and Amber. George was a design engineer in U Department's Mechanical Systems Division; member of SUBROC's and Mk 48's Project Offices; Project Manager of Mk 48, including the successful effort to transfer the Mk 48 Torpedo R&D to NUSC; and Head of the Mine Systems Division in U Department. See tribute in Summer LEAF.

Marie Coker. Marie McLean notified WOLAA that Marie Coker died at age 104 in May 2008. Ms Coker worked in NOL's Supply Small Purchase.

Betty L. Koubek. Frank sent WOLAA a note informing that his wife Betty died on 23 May 2008 at age 90. She is survived by her husband, Frank; step-children; Suzanne Probst, Kathleen Koubek, Jacqueline Lanier, Michele Appler, and Regina Koubek; and step-grand children: Mark Bacher and Jacob, David and Sam Appler. Frank worked in the Research Department at NOL and has provided WOLAA many entertaining and technical oral histories of NOL. He wrote the following: "As you can see from the enclosed obituary that my wife Betty passed away two weeks ago after a long battle with Parkinson's disease and a failing heart. Betty was a wonderful loving wife and companion to me for 34 years and will be missed dearly not only by me but by her many friends and acquaintances. It has been said that the room always lit up when she entered it."

John V. "Jack" Clark. George Hamlin informed WOLAA that Jack died at age 83 on 11 June 2008 at Kline Hospice House in Mount Airy. He had lived in Sandy Spring while at NOL, moving to Milton, Delaware upon his retirement in 1978 to concentrate on gardening, fishing, and refinishing furniture. He had been a member, President, and Assistant Chief of the Sandy Spring VFD and joined the Milton VFD upon moving to Delaware. He was also a member of the American Legion in Milton.

Jack was born in Takoma Park, son of the late John A. and Arlene West Clark. He served in the Navy in World War II, and as an English major and a certified ordnance mechanic, gravitated toward technical writing after discharge. He joined NOL in the 1950s and became head of one of the four writing sections (specializing in mine manuals) in Publications, then Code HR. Upon the retirement of Lee Shimberg, he advanced to head the Publications Division (later Branch) at White Oak; after the merger and reorganization of the Engineering Department Centerwide, he was named head of the combined Publications Division for both laboratories. He was also a writing instructor on the outside during his time at White Oak. The whole time he wore his trademark crew cut, whether it happened to be in fashion at the time or not. Jack made a sincere effort to "centerize" the Publications Division, introducing a technical manuals capability to the Dahlgren Branch and strengthening the White Oak Branch's TR and TN activities.

He is survived by his wife, Rosemary Clark; four children, John G. Clark of Shrewsbury, Pa., Kathy Drury of Monrovia, Susan Yeilding of Mukilteo, Wash. and Jode McLaughlin of Phoenix, Ariz.; 11 grandchildren; and six great-grandchildren.

Joseph G. Evrard. Ken Caudle notified WOLAA that Joe died on 20 June 2008 at age 62 at the St. Thomas Hospital in Nashville, TN. "He was a retired filmmaker for the Naval Surface Warfare Center in White Oak, Md., and a syndicated newspaper humorist. Mr. Evrard owned and operated Evergreen Antique Restoration and Custom Furniture. He was a two-term Bardwell City Council member and a member of Arlington Methodist Church. Mr. Evrard was a member of the Lions Club and oversaw the Lions Roar Community Store. He graduated from William Allen High School in Allentown, Pa., and Rochester Institute of Technology in Rochester, N.Y. Surviving are his wife, Caitlin "Katie" O'Neill Evrard; his mother, Madelyn Ganz Evrard of Allentown; two sons, Christopher Dean Evrard of Williamsport, Md., and Aaron Dean Evrard of Clarkston, Ga.; two stepsons, Shawn William Byrd and Ryan Christopher Byrd, both of Griffin, Ga.; one stepdaughter, Nicole Marie Briggs of Los Angeles; one brother, John Evrard of Coopersburg, Pa.; and five step-grandchildren. He was preceded in death by his father, William Evrard, and one brother."

Tribute to Sam and George.

*A reflection of Sam by Charlie Bowersett. “Thanks for letting me know about Sam and George. Both at one time were in my division. I had great respect for the abilities of both men. We went through some interesting times together. A couple of amusing incidents with Sam. He was working on a project called Deep Dip in which we wanted to send some instruments to the bottom at Roosevelt Roads, many thousand feet, and recover them. To do this Sam had designed a rubber bag that would be filled with gasoline. Due to the difference in weight of gasoline and water we had a positive buoyancy and after the instruments had made their readings we dropped some weights and the bag rose to the surface for recovery. When Sam got to the test site and ordered the gasoline the truck driver refused to fill the bag because he had no authority to charge it to the Navy. Sam asked if he would take his credit card and he agreed. After Sam submitted his travel claim we spent many hours convincing the travel office that it was OK. He got paid for the gas.

Another engineer was Harry Thoben and he and Sam lived in the same neighborhood, Springbrook Forest. Sam had an old model A ford he had restored and was very proud of it. He drove it to work. One evening on his way home he ran out of gas only a couple blocks from home and went to get some gas. While he was gone Harry came home and saw the car and figured out what had happened. He got in and drifted it around the corner out of sight so when Sam returned with the gas the car was gone. He thought for a moment it had been stolen but then he remembered Harry and went looking for the car and found it. During that winter Sam went over to Harry's house when he was a way and took a bag of fertilizer and wrote in large letters on Harry's front lawn THIEF. When spring came Harry was surprised to find Sam's message of retaliation. What great times we had together.

I am sure all of us look back on those years we spent together with great joy and comfort. Our memories are saddened when we learn of the passing of those we knew.”

*I knew George from the time of the SUBROC project and Sam from CAPTOR's R&D. My first memory of George was being in the U11 spaces on the 3rd floor in Building 4 to discuss SUBROC Adaption Kit components with Bob Flum. George came charging in the spaces very excited and verbal about some issue. His excitement and passion for his work, life, and family clearly defined George from then in the late 1950's through our last visit together at this years Florida WOLAA reunion. George had/told many stories about his career. My two favorite are as follows. George was second seat in air force jet and stationed in Alaska. They continued to practice scrambling against Soviet Migs. One day a Deputy OSD VIP was to show up. The command wanted to impress the VIP on their ability to meet the Soviet threat. The ready team including George were alerted to scramble. George got his gear charged out of the ready shack at full speed and promptly collided with the VIP. The second involved the Mk 48 torpedo. The program (not sure if Mod 1 or 2) was ready to fire the first live shot from a SSN. Someone had to go on board and make sure the warhead and torpedo were ready to fire. Oh, by the way, someone had to place the “fuse/igniter/S&A device into the Mk 48. George was the man. He said it was a great thrill but scary when he thought about where he was and what could happen. George was a great project engineer and an even better PM for the Mk 48. He had great passion for his project and WOL. He was also inventive. Anyone remember MITOR and George's idea of reducing torpedo self noise by wrapping it in a super condom. I have always respected George for the way he transitioned the Mk 48 to NUSC in a very professional way. This had to hurt as we all believed WOL was the best place to develop the follow-on ADCAP. He continued his energetic work ethic at Martin after he retired and was involved in the Mk 50 torpedo and small anti-torpedo defense weapon. He had great ideas for both. George loved horses and kept several at his home north of White Oak. He also loved playing tennis and played until just a few years ago. Beginning with open heart surgery just as he retired from WOL and complication which followed, George had health issues. When we talked this Spring, he was concerned about circulation in his legs which could not be corrected with surgery because of other conditions. However, he planned to continue to walk and live life as he always had. All of his friends and family will miss George; but can be inspired by George's achievements.

I probably knew Sam before CAPTOR; but my first memory of Sam was when the System Analysis Office (SAO) of the ASW System Project Office got involved with Adm Zumwalt set of initiatives and CAPTOR was one of them. A Cdr Eagye from the SAO became very supportive of CAPTOR and conducted a series of studies which helped CAPTOR proceed into Advanced Development. Sam was a frequent visitor to Bldg 90 where the SAO was located. Sam was passionate about mine warfare and the ASW need for a system like CAPTOR. I am not sure if Sam was the sole creator of the CAPTOR concept but he was certainly its strongest advocate and had nursed it along in exploratory development during very short money. Re the Zumwalt initiative, NOL was made the Program Office for CAPTOR versus NAVSEA. Sam was selected as program manager. He had a difficult and stressful job from both a technical and management viewpoint. Sam pressed on when most of us would have surrendered. His weekly project meetings were to say the least spirited. Loud discussions re battery, stability, test, and MOE occurred. Issues got resolved but it was hard. I was head of the System Assessment Division at the time and Sam and I had some great discussion about what was a good test and what was a reliability failure. However, the next day he was on to the next issue to get CAPTOR to the Fleet. After leaving CAPTOR, Sam worked on mine technology and then became the NSAP science advisor to ComMineWarCom in Charleston, SC. He then remained at CMWC as the U Department representative. He was very effective in both positions and greatly helped U Department in its mine programs and mine warfare in general. His wife, Peggy, and he loved Charleston and eventually bought a home in the historical area and continued to live there. Pat and I visited Sam and Peggy there. Their home was wonderful and they were very proud of it. Sam had his workshop in a building at the end of their property. This was another of Sam's passions. While living in Montgomery County, his beautiful constructed furniture won first prize year after year at the Montgomery fair. He did detailed research on a specific type chest that had a history in the North and South dating back beyond the Civil War. He converted his research into a detailed book which included his own beautiful drawings and sketches. I will miss Sam and remember his contributions to WOL and his country.

John Tino