



The Leaf



VOLUME IX ISSUE 1

PROUD MEMORIES

Winter 2007

- **Events**
 - *NOL Lunch 2nd Mon @Golden Bull Rest.
 - *WOLAA Third Night at Strathmore, Thurs. 8 Feb 2007 @1800
 - *WOLAA Florida Reunion in Punta Gorda, Fri. 2 Mar 2007 @1130
 - *WOLAA Annual Luncheon at Golden Bull in Gaithersburg, Fri. 18 May 2007 @1100.

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

WOLAA Web Site: www.wolaa.org

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News from WOLAA

***Florida Reunion.** The 2007 WOLAA Florida Reunion will be held on Friday, 2 March 2007 at the River City Grill on Marion Street in Punta Gorda, FL beginning at 1130. George and Peggy Kalaf have arranged for this event, and we will have a separate room. A flyer with all the details will be sent to all in the GA and FL areas by the end of January. If you are going to be visiting in the area on 2 March and want to attend, just let WOLAA know by emailing or calling at the address/phone number listed for WOLAA. We plan to have a choice of three entrees, and the cost should be around \$20. Pat and I plan to attend, and we can't wait to see all of you.

***May Annual WOLAA Luncheon.** We have selected a date and location for our May luncheon. Please mark your calendars now. Luncheon will be in the Ball Room at the Golden Bull in Gaithersburg, MD on Friday, 18 May 2007. We expect to have selection of three entrees, and anticipate the cost will be ~\$25. We had good feedback from holding our Holiday Luncheon at the Golden Bull. For May, we will have someone stationed at the lift to operate it for attendees, as it was difficult to operate the lift. We will also work on "overflow" parking. Hope to see many, many WOLers there.

***WOLAA Third Strathmore Night.** Several were interested in another night at Strathmore, and in particular, a Mardi Gras celebration with New Orleans jazz. On Thursday, 8 February 2007 at 1800 we can meet for dinner and then attend The Preservation Hall Jazz Band performance. Please email or phone WOLAA if you are interested. I will arrange to get tickets. They are listed at ~\$40, but sometimes we can get discounts if we have enough people attending. This sounds like a neat way to get ready for lent. Don't delay, call/email now.

***Holiday Luncheon Report.** What a great way to begin the holiday season. The room was nicely decorated, the food was good, the fellowship was just super, and many attended. In fact, 123 signed up and almost that many were able to attend. Why the Golden Bull and not the Country Club. When we met to finalize the entrée/costs at the CC, we found the price had increased from \$22 to \$37. That wouldn't work. So, we scrambled and were able to book the

News from WOLAA (Continued)

Golden Bull in Gaithersburg. We decided to use their room on the first floor; but as we grew in numbers, the restaurant switched us to their Ball Room on the second floor. A very nice room, and it was decorated beautifully for the holidays. Unfortunately, there were three events going on that day, and parking became difficult as we approached the noon hour. In May, this should not be a significant issue. The restaurant does not have an elevator to the Ball Room but a lift. We plan to have someone assigned to the lift in May so use of the lift should be more convenient.

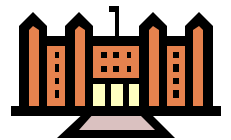
***New Names Project.** As part of the 2007 membership drive, your Board decided to establish a “New Name Project.” The concept was for each WOLAA member to review their address list for people who worked at the WOL and send the names/addresses to WOLAA. We would compare your list to our data base and come up with additions. The person submitting the most new names would receive a WOLAA gift and many thank yous. This is one of several steps we are trying to keep our membership around 600. So far, we have gotten a half dozen lists and at least 25 new names. Thank you. So, it is really paying off. Please send us your list now.

***Membership Mailing.** The Board developed a well conceived letter and package to be mailed to the WOLAA data base to solicit new and renewed membership. One of the features was a three year membership for just \$36—a savings of \$9 over annual dues. This has been very popular so far. But alas, the best laid plans go astray. When I mail using bulk postal rates, the local zip codes (207,208, 209, etc) get their mail the very next day. Something happened this time. I didn’t get my mail for 4 days and some took up to 3 weeks. Zip code 208 appeared to be the worse. At the luncheon, which was many weeks later, about 8 attendees still had not received mail at their 208 zip codes. We think we know what happened and will work with the Post Office so it doesn’t reoccur. The mailing of this LEAF will be our truth to determine if the problem is resolved. Thusssssss, we are including a membership form as supplement A of this LEAF just in case you didn’t receive our mailing. Also, it will be a gentle reminder to rejoin WOLAA for 2007. It is our 10th anniversary; and we want to show growth. When you read the article that follows on Historical Preservation, we believe you will want to be part of WOLAA as we near our goal to preserve the Proud Memories of the WOL.

Historical Preservation.

At the end of November, we finally met with GSA, FDA, architect representatives to discuss the status of the building 1 preservation. What a surprise we received. The new FDA Commissioner has decided he will move ASAP to Building 1 and wants his office suite on the first floor in the Supply Department spaces. This caused the project to be moved up to do design work in FY 07 and the refurbishment in 2008. They showed us sketch of lobby and it will be restored to look just like it did as NOL. A second elevator will be added. They plan to remove old phone booths but are trying to preserve the alcove of the booths. The stairs will also be restored and a walkway or glass will connect building 1 to the shared use building. They indicate you will be able to stand in the lobby and see through the new building and see wooded area beyond old parade ground. The flag pole will be moved closer to building 1 steps and the main entrance will be in the “basement” of building 1 so security apparatus won’t distract from the first floor lobby. Visitors to the new conference center (being build where South Gate and building 30 were) will come into the basement security area and then can walk, without escort through building 1 (basement corridor where photo lab and printing was located) to the new conference area. We still plan to have historical plaques around the base of flag pole, noting the history of building 1.

So, where is the WOL room and garden. All the previous ideas resulted in a nice commemoration; but security would prevent any WOLer from being able to view them or for WOLAA to use for any function. The GSA and their architect proposed that the main conference space and adjacent court yard be used



To commemorate the WOL achievements. Supplement B contains three sketches to show the concept. The first page is the overall view of the FDA complex. The darker buildings are those in the FY 08 construction. Building A is the conference center. The second page shows a close up of the concept for the moved flag pole and its patio; entrance to building 1 for security; and the WOL “wall;” and terrace garden. The final page shows the wall. It would feature a display of the NOL facility and we hope to recover the two beautiful Naval action pictures that were on the wall of the WOL cafeteria. (They were given to the Naval Reserve Center in Adelphi, which has been BRACed.) The windows in this picture show the courtyard where the garden would be. We also hope to display in the terrace the two Spanish cannons which were mounted on the stone patio in front of building 1. We had concluded FDA wouldn’t appreciate cannons on their front entrance; but in this terrace they should be acceptable. After the meeting, we decided to ask for one more thing; there are a number of breakout rooms shown in sketch 2 and we would like one to be named for Drs Bennett and Hartmann. Appropriate wall displays would summarize their tours as TD’s of NOL. The room could also contain pictures of key WOL facilities. We requested that one of the fire places and the wood flooring/paneling from the auditorium foyer be used in the foyer of the conference center.

I should also add that the restoration of building 1 will include refurbishment of all bathrooms; refurbishment of stairs, keeping the stone floors and steps; and replacing all the windows with like steel windows—the company that made the current 1946 windows is still in business and has been contacted to supply the new like windows. Just amazing, when you consider the brick yard which fired all the bricks used in the NOL buildings was also still in business and has provided all the new bricks for the FDA buildings. Also, the primary contractor building the new FDA buildings built NOL. One would conclude the Navy selected very good vendors to build NOL.

For the icing on our very delicious cake, Dan Marren who directs the wind tunnels for the Air Force announced that the second German wind tunnel is not going back to Germany and is available as part of the preservation of WOL. GSA is now working a proper display into the plans.

We have another meeting in January to see if GSA/FDA will agree to all the above and to determine status of the design efforts. It almost sounds too good to be true. We heard a side remark indicating GSA thought we would reject not being in building 1; they were shocked when we jumped on the concept. Sure, having all the above in building 1 would be nice but if no one who worked at WOL can see or use it, this would not make any sense.

So, we can renew our efforts for a “big bash” dedication for ~2009. One other possibility is we will be able to hold our annual meeting/luncheon in the “ball room” of the conference center. As we understand it, the room will be like a ball room of a hotel and will be able to be divided into several rooms. This is versus a true auditorium like the WOL had. It was indicated that the cafeteria located in shared use facility which is behind building 1 will have a small facility in the conference center to stage lunches for the FDA conferences. That would be nice. I swear we are not dreaming this; but time will tell!

Oral History/Feedback

Mjt

We give you two great oral histories this quarter. Both are intended to give you a good giggle and show the humor and mischief creativity of WOLers. They both appear in Supplement C. The first is by Frank Koubek and is his version of the great goat experiment in the 300 area. He invites the rest of you to submit your memory of this caper. The second is simply amazing. If any of you have a January 1963 NOL phone book look up a great NOLer—Anton Khropochnik. I understand many of you worked with him. This oral history is by the creator of Anton—George Hamlin. Enjoy.

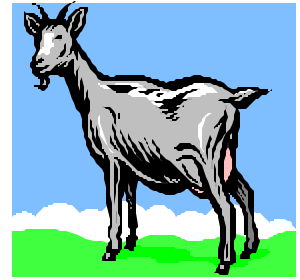
Feedback. Three short inputs to provide additional follow-up on our oral histories follow. The first is more info on the billy goat in the 300 area by Dora McGrath. Next, memories of building 90 by Joe Nachman. The last is the straight scoop on the bank heist provided by Allan Pertman. More giggles, proud memories, and a candidate for the dumbest crooks of the year award.

****Purchasing Goats for the 300 Area by Dora McGrath***

“I was working in small purchase when NOL decided to purchase goats for the back area. I don’t remember how many, but they were all supposed to be nanny goats and not pregnant.

I do not remember how long they were there; but they caused some trouble getting onto the neighbors property. I do remember getting a stub requisition to rent a billy goat. I called Mr. Stabler who had a farm in Spencerville, MD. I do not think the goat was at NOL very long. One day someone called and said the billy goat had died. I had to call Mr. Stabler and tell him that his goat was dead.

I was really embarrassed. Paul Davis told the story at my retirement party.”



***Building 90 by Joseph F. Nachman**

“In your Winter 2006 Edition of the LEAF, I noted with interest from the oral history of the Ceramics Lab .that it was located in the Marine Barracks in B. 90.

In 1948 or 1949, as Metallurgist for the Magnetics Division, I had my vacuum and special high purity atmosphere melting facility located in the basement of the Marine Barracks. I used this facility until our new building was completed.

I believe the building was No. 24 as I remember Robert Fischell working in the Magnetics Test Lab under Dan Gordon. His is certainly another success story of NOL Alumni.

Thought you might be interested in this additional bit of information about B90.”

The Great White Oak Bank Heist - Part 2 by Allan Pertman

“This aspect of the story was related to me by my good friend and neighbor, Dave. At the time of the heist, Dave, a native of the Silver Spring area, had just stood up a trash collection business, collecting trash in various areas around Washington DC. The business owned a number of specialized trucks, driven and operated by skilled laborers. The account which follows is based on facts which surfaced during the trial which followed the robbery.

The robbery was perpetrated by two drivers, working for the "Square Deal" trash collection Company (this was not Dave's Company). The trash truck parked next to the Suburban Trust Bank and, while seemingly emptying a trash container in the area, it also served as the get away vehicle. After robbing the Bank at gunpoint, the perpetrator (later revealed to be a convicted contract killer) hid himself (and the loot) inside the trash truck, behind the packing blade. This was the plan: no one would suspect that the robber and the loot were inside the automated trash truck, skillfully operated by the other driver.

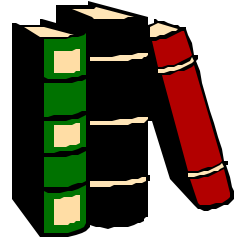


However, before the truck could leave the area the police, responding to the Bank's alarm, sealed off the entire area of the White Oak shopping Center, including the small strip, adjacent to the Laboratory, where the Bank was located, . While police searched every car in the shopping center, the "Square Deal" driver continued to make stops within the shopping center, lifting trash containers, dumping the trash into the truck and carefully operating the packing blade so as not to injure the other guy, hiding inside the truck. As time went on, the police noticed that the truck was picking up the same trash containers, previously emptied, multiple times. The police surrounded the truck and arrested the driver; the other robber escaped through a service door (normally used to access the interior of the truck from the outside), scaled the fence and found himself within WOL property.

My friend Dave remembers the details well: only a month prior to the robbery he fired one of the perpetrators (the "inside" man) from his company for fraud. Also, Dave thinks that the episode occurred in mid-1970's.”

Book Review Johnny Grams

Mjt



Only one book this LEAF; but it couldn't have been more timely re our 5 year 9/11 anniversary. I recommend that everyone who wants to understand 9/11 or believes that the CIA (conspiracy theory) bombed the World Trade Center read the reviewed book. Four WO Leafs is great.

***The Osama bin Laden I Know—An Oral History of al Qaeda's Leader by Peter L. Bergen (2006).**

First, about the author, our Doctor's girl friend and Peter Bergen are friends. They are both free lance journalist. In the 90's, Bergen was a struggling free lance journalist. But, in 1996, he was involved with CNN as they conducted the first TV interview of bin Laden. He continued to study and follow bin Laden. Then, 9/11. Bergen's knowledge of bin Laden and al Qaeda made him a journalist in great demand. This book is very well done in oral history form. He has interviewed many, many Muslim and al Qaeda members. He also had access to a great many interviews of prisoners by U.S. interrogators.

Osama bin Laden's father was poor as a young man and started as a laborer. He became a very important and wealthy Saudi construction contractor. He died in a plane crash when Osama was a young boy. As a boy, Osama was quiet/shy and not considered a great student. He dropped out of college and worked for his Father's company, now run by his older brother. bin Laden was successful and worked hard, doing all aspects of construction. He had shared in his father's wealth when the father was killed; so his money was inherited. Now in his early 20's, there was no indication of leadership, politics, nor vocal religious views.

In the Muslim world in the 80's, radical Islamic views and actions were forming, especially in Egypt, where a group called the Brotherhood had formed and were fighting with terror tactics the government of Egypt. They felt the secular governments of Egypt and Syria had let the Muslim world down in the 70's war with Israel. They also felt the secular government had taken away their freedoms. These people later became the key and probably the planning and military brains of al Qaeda. Then, Russia invaded Afghanistan. Abdullah Azzam formed the Service Office based in Pakistan to help the Afghan people, re food, equipment, and education. Azzam put out a call for Arabs from all of the Muslim world to help him. Osama joined this Service and provided millions of dollars. At some point, he felt compelled to fight the Russians, and formed an Arab militia—probably an Army company in size—to enter Afghan and attack the Russians. Typically, they had poor skills and took high casualties from the Russians. Osama was a fighter with his men and became a hero. His radical views formed here. He also learned the mountains where he later escaped to after 9/11.

In 1986, he met and teamed up with Dr. Ayman al Zawahiri, who was an Egyptian and had jihadist ambitions. The beginning of al Qaeda. Abu Hafs, another Egyptian became the field military commander. bin Laden returned to Saudi Arabia and defined his twisted logic for his jihad. He hated Saddam. Yet, he hated the Saudi government because they allow 500,000 Western troop on Saudi soil to fight Saddam. This view got him kicked out of Saudi Arabia, basically losing his citizenship, and his flight to Sudan. Of course his great hatred was for Israel and the issue with Palestians. So why hate America. Ah, logical? America supported Israel, and we wanted to use the Muslim world for our gain re oil and trade. Thus, if he destroyed America, then Israel could not survive.

In Sudan, he bought property and raised sunflowers for oil. He also constructed roads, etc. Of course, al Qaeda grew. His speaking out against the Saudi's caused them to put great pressure on the Sudan's to expel bin Laden. He eventually fled to Afghan and was protected by Mullah Omar who was now the head of the Afghan government and the Taliban. Al Queda set up training camps in Afghan and there graduates were responsible for the bombing of our embassies in Africa, the Cole, failed attempts in the Philippines, and of course 9/11.

One interesting story was why President Clinton's tomahawk attack on bin Laden's camp in Afghan failed to kill bin Laden. The CIA had a spy in al Qaeda----bin Laden's cook. The cook told the CIA that bin Laden was going to the camp we bombed and would be there at a certain time. According to the oral

failed to kill bin Laden. The CIA had a spy in al Qaeda---bin Laden's cook. The cook told the CIA that bin Laden was going to the camp we bombed and would be there at a certain time. According to the oral history the cook's data was correct. But, bin Laden just changed his mind at the last minute and decided to visit another camp.

It is also interesting that the Taliban was getting concerned about allowing bin Laden to remain in Afghanistan. The book states about 80% of the government officials wanted to expel Osama; but by then, he had great influence with Mullah Omar. None of the officials had the courage to confront Omar; thus Osama stayed. What they feared came to past. After 9/11, we attacked the Taliban and they were defeated.

The final item that I will note is that bin Laden had several Muslim leaders assassinated.. One being Massoud, who was a hero in the fight against the Russians; and someone who Azzam and Osama worked with in helping the Afghan. Massoud had become the defense minister in the government that the Taliban overthrew. Such twisted religious views about conducting his jihad.

The book is, of course, not an easy read and the cast of characters are hard to keep track of as many names are the same—plus they all, including Osama, used alias. (Doesn't that tell you something.) But, I believe you will clearly understand the enemy we fight and the difficult war that it is.

Ramblings of a Senior

Mjt

***Little Einstein.** I have to admit that when I was an infant that we didn't have TV yet and my parents never told me I had the "advantage" of a radio show educating me. As a young boy, I did have my ears to the radio to hear my daily episode of Tom Mix, Captain Midnight, etc. My son had TV but no "educational" programs that I can recall. He did have the weekly Lassie, and I suppose it taught him the role of pets in a family, and of course, that good guys always win in the long run. Our grandson/daughter, Jon and Madison, had Barney. I thought it was OK; but my son and apparently most of his generation couldn't stand Barney. They never articulated a good reason to hate purple Barney; but I have heard the word annoying used frequently. Our grand daughter Emily had Tele-Tubbies. The windmills, as part of their entrance in the show, really caught the attention of Emily. Again, the parents used the word annoying a lot. Now with our new grand daughter, Shelby (She is 9 months old now.), enter Baby Einstein (which she doesn't like—we say she is too mature for this show!) and Little Einstein. No matter where she is in the room as soon as the theme song for the show comes on, she rapidly crawls to the TV and sits there with great emotion and attention for the ½ hour show. I find it is very educational. The show uses classical music, integrated with the plot of the show, using the sounds of various instruments as the "four kids" conduct their "mission." The show teaches teamwork, animal and birds, etc. Maybe TV has finally got it right as I don't hear the word annoying from the parents. Besides, Shelby and I enjoy Little Einstein.

***Mickey Goes for an Adventure.** Recently, we drove from Winchester to Adelphi and I noticed, when we got home, these green plastic shavings on the car floor between the front seats. Clearly, they had come from the lid of a container of peanuts that we keep for snacks on our trips. But how did they get there. As, I unloaded the car, I found clear plastic shavings in the back seat floor area; BUT also, cookie crumbs. On further examination, I found the package of cookies which we also keep for our snacks had been chewed open and a ½ of cookie was missing. Clearly, we had driven Mickey on an adventure. But, how in the world had Mickey gotten in our car and how many adventures had he managed. And, the final mystery, when did he decide to exit the car. Or, did he! Just where can a mouse hide in a mini-van. Suggestions are welcome.



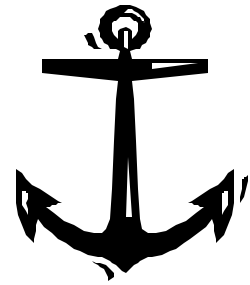
Features.

mjt

***Technical News**

-Hull 503. This is the name of the current hull at Bath for the next DDG Burke guided

missile destroyer. It will become DDG-108 and will carry the 100th Aegis system. How neat that the navy will name this ship the USS Wayne E. Meyer. Adm Meyer is the father of the Aegis system, and the program that developed the Aegis Cruisers and Burke DDG's. He was born in 1926 and has a BSEE from U. of Kansas; MSAero from MIT and a degree from the Naval PG School. He was an enlisted sailor in 1943 and was commissioned an ensign in 1948. He became involved in missiles in 1951 and this started his distinguished engineering career in the Navy. In 1963, he was chosen by Secnav to serve on a special task force for surface guided missiles and this laid the groundwork for Aegis. In 1970, he became the PM for Aegis and in 1975 he was promoted to admiral to head up the Aegis shipbuilding program. He is responsible for the training center for Aegis at NSWC/DL. The CNO, Adm. Mike Mullen, made the announcement concerning DDG-108; and he is a former CNO of an Aegis cruiser—Yorktown. Mullen noted, “the name of a ship forever inspires the crews and instills the fighting spirit and that is why the DDG-108 will be forever known as the USS Wayne E. Meyer. In my view this is well deserved and is worthy of the Navy receiving a BZ.



-Conventional Trident Missiles. The Navy plans to remove two Trident nuclear ballistic missiles from each of their 14 SSBN's. They would be replaced with missiles having high explosive warheads. This would give about 22 missiles in operational deployment. Why? It will give a quick reaction, long range, accurate capability in the war against terrorism. It was also noted that four older SSBN subs have been converted to launch only cruise missiles.

-S-3B Retired. The last squadron of S-3B Viking ASW carrier aircraft was recently retired. The last squadron decommissioned was stood up in 1960. It was indicated the role of the S-3B would be taken over by the P-3, helo's, and the F/A 18 E/F. It of course detected with sonobuoys and used torpedoes as its ASW weapon. Not sure how much the U Department sonobuoy team interacted with the Viking systems. Feedback on this invited.

-Ground Zero. All who have worked at the Pentagon or visited it, have seen the neat pentagon structure that sits right on the center point of the pentagon. It has been said that the Russians were convinced it was an entrance to a secret, deep underground bunker. This was supported by large number of officers entering the building around the lunch hour. So, it is noted that they had a gaggle of missiles aimed at this structure to make sure it was destroyed. Thus, the reason this structure was known as ground zero for a nuclear attack. Of course, it was a hot dog stand which received a robust business at lunch time. For some reason, they plan to tear it down. Maybe it should be sent to the Spy Museum.

-Carderock Combat Craft Facility. Anybody recognize the structure shown below. Anyone know who is operating the Ft. Monroe Mine Facility. I didn't; but the recent Carderock “Seaframe” magazine article on their facilities helped somewhat. This is the range house of the mine facility. Carderock still does testing in the area of new crafts re speed, torsional vibration, and sound intensity. The boats tested are R&D crafts for Special Warfare's Mark V Special Operations Craft and 170 foot Patrol Craft.

They apparently still use a small fleet of ships to support this work; not sure if any of WOL old boats are still there. I doubt it. But, they discuss machine shops and test work space; so maybe they still have the very old dock and supporting buildings.

Anyone know? Let the LEAF have some feedback.



Combatant Craft Division Waterfront Operations Facility, Ft Monroe.
U.S. Navy Photo.

***Health Tips.**

-Peroxide. Supplement D contains a very informative article on the use of peroxide. The point of article is it is a very cheap alternative to our fight against germs. My mother swore by it to take care of cuts; and kept pouring it on until there were no more bubbles. Often, I was not amused by her diligence.

***Alumni Updates.**

-Drew Wardlaws Retires. Dr. Andrew B. Wardlaw, Jr.'s civil service career began with the Navy at the U. S. Naval Ordnance Laboratory in White Oak Maryland in September 1972 after having received Doctorate (1971) and Master of Science (1968) Degrees in Mechanical Engineering from the University of Pennsylvania and a Bachelor of Science Degree in Mechanical Engineering from Bucknell University (1967). He also received a Master of Science degree in Computer Science from Johns Hopkins University in 1996. The majority of his career focused on applying his expertise in computational fluid dynamics (CFD), numerical methods, and shock physics to major computer programs that have attained National use and acclaim. In 1997 Drew's duty station was changed to the Indian Head Division, Naval Surface Warfare Center, due to the Base Realignment and Closure (BRAC) decision of 1993.

Dr. Wardlaw's long-term experiences in the fields of aerodynamics and underwater explosion effects have resulted, among his many other accomplishments, in the successful development of the ZEUS CFD code and the Gemini hydrocode.

Dr. Wardlaw is an international expert with extensive experience in the development and application of numerical methods simulating underwater explosions, predicting missile aerodynamics, and estimating water entry loads. He brought to Indian Head technical expertise supported by solid experience in directing software development projects. His most recent major software development program was the Gemini suite of codes. Gemini is a parallel, coupled hydrocode capable of modeling the entire underwater explosion (UNDEX) phenomena including detonation, shock physics, bubble dynamics, cavitation, and fluid-structure interaction (FSI). It is formulated for multi-material problems and can be run in one, two, or three dimensions. The modeling of FSI is achieved by coupling the Euler fluid solver to Dyna_N, which solves the equations of motion for the structure via the finite element method. The Euler solver is based upon a higher-order Godunov scheme that is parallelized to efficiently run large 3-dimensional problems. Gemini has been applied to problems such as ship response to UNDEX and bubble jetting as well as many others.

The development of Gemini began over 15 years ago when Dr. Wardlaw won the best IR award submission for investigating the use of the second order Godunov scheme for single material fluid flow applied to missile aerodynamics. Drew's subsequent research extended this to computing multi-material fluid flow with a focus on the simulation of explosive shocks in water, sand, and other stiff materials. In the ensuing years, his methods and programming proved to give superior results to those of other competitive attempts in government, academia, and private industry and, as a result, Gemini has been supported under a multi-year international project agreement between the U.S. Navy and the German Ministry of Defense. The DYSMAS computer program was developed under this agreement. Gemini, written virtually entirely by Dr. Wardlaw, is the Euler solver in the DYSMAS hydrocode and incorporates the improved numerical schemes and parallelization. Although supported by the Project Agreement, funding was not always flush. E.g., Drew spent his entire Christmas vacation one year and other time at home to achieve the coupling of the Euler to the Lagrange code, which was a major milestone in the development.

Gemini is widely used especially for solving large-scale problems needed by the ships and submarine design community and the undersea weapon lethality community. It has been released to approximately 100 customers and resides on about 400 computers including the High Performance Computer Centers, Navy Centers, Ship Builders, and DOD contractors.

We are privileged to join his friends and colleagues in congratulating him on the occasion of his retirement, 2 January 2007. We are very grateful for Drew's thirty-four years of dedicated and loyal service to our great country. His accomplishments have attributed to our nation's defense mission. He merits our

our great country. His accomplishments have attributed to our nation's defense mission. He merits our highest regard and esteem. May his retirement years be many and may they carry with them the health and prosperity he has earned and so richly deserves.”

-Art Boyars Retires. Art retired in September 2006 from Indian Head with over 42 years of service to the Navy. He was a graduate of MIT in electrical engineering. He worked in the Mine Simulation Branch in U40. He then moved into project offices. We wish him well in his deserved retirement.

-Support of Dr. Jacobs. Gene Elzufon provided the following. “I just read the latest Oak Leaf and really liked the tribute to Sig Jacobs. It was extremely well done. The most important thing that was said in the article was the anecdote about Sig and the Lawrence Livermore Lab. There was a simple but solid patriotism involved in his decision to grant the request for help. It would be wonderful if all researchers could act that way and abandon their lust for glory in order to cooperate with others. Many of course do but sadly many do not. In my modest career I ran into countless incidents wherein lab to lab, group to group or even individual to individual rivalries hampered progress on important and not-so important programs. I always admired Sig but that little anecdote pushed my admiration up a notch or two. “

-Henry Ng. Henry writes. “Thank you for your nice article on Rudy and me in the last “The Leaf.” Last week, I received a reply letter from Rudy, and he was very nice to bring me up-to-date on his status. It was so good to catch up with an old friend. Oh, by the way for your information, I was very surprised to learn I was ranked #1 in the world in the Color Slide section and also tied for #1 in the world in the Photo Travel sections of the 2005 “Who’s Who in Photography” compiled by the Photographic Society of America.” Editor Note: I sought out their newsletter on internet and below is one of Henry’s photographs. I can understand his awards.



Fishing Light by Henry Ng
(PSA Gold Medal, Digital Print—People Section)

***Deceased Alumni**

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

The LEAF is pleased to print tributes to our WOL alumni. Supplement E provides three tributes:

- *Esther N. Duffy
- *Samuel Morrison Hastings
- *Marcie Cousens Westermeyer.

Information received from our recent mailing has given us brief information on seven deceased alumni;

- *Will "Bill" Burner died on 2/24/06. He worked in the Wind Tunnel and PW shops
- *John Harnett died on 4/14/06. He worked in Code 780, Product Design Division
- *John Garcia died on 5/11/06. He worked in Code 780, Product Design Division
- *Amile Bishoff died on 8/8/06. He worked in Employees Relations.
- *Charles "Russell" Jenkins died on 11/26/06. He worked in Code 760, Technical Shop
- *Brenda Bennett died in 2006. She worked in Code S21, Supply Department
- *Sylvester Chek died in 2006. He worked in Code 790, General Engineering Division.

*Jean Hooper. Ed Hooper provided, "Jean died on 30 April 2006 at age 80. She worked at NOL in 1951, first in Wind Tunnel area then for Paul Martini. She was Miss NOL in 1951. She was mother of five children and the grandmother of five. Her husband Ed Hooper says she once called the White House and demanded that she get her husband back from wherever he was. Ed had gone to Viet Nam for the lab for what was supposed to be three weeks but which turned out to be three months. Her call didn't help!"

*Carroll C. Misener. His wife, Eunice, sent the following information. Carroll died on 24 May 2006 in Zephyrhills, Florida at age 96. He was born on 17 January 1910 in Orange, MA. Carroll worked in Code 233, Chemical Engineering Division.

*Mirian Sherwin. Miriam Sherwin, 94, an educator who helped found St. John's Episcopal School in Olney and an employee development specialist with the Navy, died Oct. 26 of complications from a fractured hip at Dominican Hospital in Santa Cruz, Calif., where she lived. Mrs. Sherwin, a resident of the Washington area for almost 70 years, helped start the parish day school at St. John's, then served as its headmistress from 1960 to 1966. The next two years, she was headmistress at Holton-Arms School in Bethesda.

She had come to Washington in 1935 to work as an examiner with the Civil Service Commission. Five years later, she married and resigned her job. She returned to federal work in 1969 in the personnel management office of the Naval Surface Weapons Center in White Oak. She retired in 1980.

She was born in Ettrick, Wis., and graduated from what was then known as La Crosse State Teachers College. She served on the Montgomery County school board and volunteered at Brookside Gardens in Wheaton, the Sandy Spring Museum and the Audubon Naturalist Society's Woodend Sanctuary in Chevy Chase. She enjoyed painting, reading, bird-watching and caring for her pets.

Her husband of 55 years, Robert W. Sherwin, died in 1995. Survivors include two children, Robert W. Sherwin Jr. of Scotts Valley, Calif., and Sara Sheets of Gallipolis, Ohio; two sisters, Clarice Rolfe of Rockville and Tess Sherwin of Silver Spring; a brother, Kermit Fillner of Lovettsville; three grandchildren and six great-grandchildren.

*Marcie J. Westermeyer. On 1 October 2006 at age 43, Marcie died from cancer. She lived in Laurel, MD. She is survived by her husband Gary; daughters, Lauren and Katie; sisters Beth, Margie and Cathy; and brother Al Cousens. Her husband Gary worked in Public Works at WOL. Sister Margie worked in U Department. See the tribute to Marcie in Supplement E.

*Dr. Charles Stevens Coffey. Steve died on 1 December of heart failure. A theoretical physicist with degrees from MIT, Rutgers and University of Arizona, worked at Naval Surface Warfare Center for 31 years. Lived in Clarksville, MD. Survived by wife Frederica ("Rickie"); siblings Peter, Tim, Mary, Joanne, Helen, Brendan, and Harold; children Matthew, Andrea, Janet and Ellen; their spouses Lynne, Chris, Brad and Marc, respectively; grandchildren Carolena, Josephine, Nicholas and Koele. His friends at Indian Head wrote: "We at Indian Head have lost a great scientist, co-worker and friend, Dr. Steve Coffey, who passed away suddenly on Friday. Steve has worked with us for more than 30 years. Through the years he has made outstanding contributions in science pioneering the study of shear and its role in energy localization and explosive initiation. He has helped in several research initiatives here at Indian Head with the thermobaric ACTD, and also maintained international collaborations. He has been a mentor to many, and has always been a friend to those who had the good fortune of working with him. Our prayers are with his family. "

*Dr. Edward Samuel Dayhoff. Dr. Dayhoff died on 11 December 2006. He lived in Bethesda. He was husband of Nancy Belmont Dayhoff and the late Margaret Oakley Dayhoff. He is also survived by his daughters Dr. Ruth Dayhoff and Dr. Judith E. Dayhoff. Dr. Dayhoff had five grandchildren.

He worked in Code 213, Radiation Physics Division. Bernie DeSavage noted that, "Dr Ed Dayhoff was a graduate student of Prof. Charles Townes of Columbia. Based largely on Ed's thesis work, Townes won the Nobel Prize for the invention of the laser."

*Eugene Harshaw. He died on 17 December 2006. He was a NARFE member of chapter 1888 and WOLAA received news of his death from his NARFE Chapter. He worked in Code 780, Product Design Division.

*Frank Pierce. Frank died on Christmas day of this year. He is survived by his wife Nancy. Frank was an excellent technical writer working in the Publication Division, Code 750. He also worked for the Navy Tactical Support Activity. Frank lived in Hillandale, MD, across the street from WOL.