J. BARTON 5021

NAWC Aircraft Division NAVAL AIR WARFARE CENTER

Reflector

A time to shape the future

NAVAL AIR WARFARE CENTER • AIRCRAFT DIVISION • WARMINSTER, PA Volume 37 Number 1 January 1992

RADM George H. Strohsahl speaks to our command

Photo by James Moore

RADM George H. Strohsahl speaks in the auditorium about our future in NAWC.

By Lawrence L. Lyford

RADM George H. Strohsahl, the head of the newly created Naval Air Warfare Center, in Washington, D.C., wanted to visit the Center as soon after January 2, as he could. "I wanted you to know you have a friend at the flag level in Washington, someone whose only job is to manage the NAWC." He went on to explain that previously, once we got to the flag level in our chain of command, we always reached someone who had other responsibilities.

"My only job is the care, feeding and oversight management of the NAWC," he stressed.

Strohsahl reported his appreciation of what the Command has done and is doing for the Navy. He said it was as a result of this. "We took special pains to ensure the functions you performed will be maintained as a vital element in a new configuration and new location." He believes we must be maintained as a vital element of the infrastructure supporting the Navy.

The head of NAWC predicted a smaller Navy, smaller than he would have believed last year. He acknowledged some say Department of Defense will keep only half its present resources. He revealed he had RIF letters for three- and four-stripers in his briefcase (None for here).

In this environment, he said the Navy did a very smart thing in creating the warfare centers. We got out in front of the reality of this year's budget and honestly projected what we saw coming even a year ago.

"We tried to figure out a way to reorganize, close a few places, retain capability or find somebody else to do the necessary work or stop doing functions altogether, as in the case of nuclear weapons," Strohsahl said. "This reshaping provides a more efficient infrastructure to support the technical part of the Navy. We have done that."

His job in Washington, he said, is to say if policy makers are going to deal with a smaller infrastructure in Naval aviation the starting point is the NAWC, not what we used to be.

To him, the creation of the NAWC put us out in front of the meat ax that's coming. He believes now, nobody is going to say let's just close the Warminster functions and buy the research and development from the Air Force, industries or universities.

He readily admitted he wants to retain *for the Navy* what we have brought to him as a Center of Excellence. "My mission is to preserve the range and depth of your expertise not necessarily any one person's particular job but to preserve the essence of what you do for Naval aviation."

He said since Congress rescinded the 4 percent drawdown as it applies to industrial funded activities, such as our Command, he wants only our workload to determine how big (before and after the move) our work force is going to be.

"Since we need the functions you perform to maintain viable Navy aviation, it's important we devise a way to pay salaries to keep people working to have them available for future things we need." To do this he proposed leveraging. "We'll find other customers. We'll seek out industry. We'll seek out the Air Force, the Army. We'll seek out our foreign military customers in our line of work after mission purification."

"We encourage *you* to seek this non-traditional customer business, he emphasized. "We are working to prevent any wild chops in our R&D infrastructure that would destroy capability."

For Strohsahl, the Pax River Military Construction is a key to the future of a Navy R&D function. "We must be funded to refurbish and build the facilities at Pax River."

According to Strohsahl, the issue was not to stay here or not but whether our function would continue to be performed in the Navy. "We needed a nucleus at one place. We chose PAX because of the environmental conditions. It has the Chesapeake Bay and unencumbered air space. It will have complete engineering systems, systems engineering, test activity, front-end science and technology."

"Our basic line (in Washington, D.C.) is we have already given, thank you. Now,

Continued on page 4

Photo by James Moore

Audience pays close attention to RADM George H. Strohsahl.

Command completes rough 34-day tests of new systems

By Lt. Craig Burpee

Conducting aircraft operations in the harsh environment of the North Pacific during November and December can be described as arduous, at best. Throw in the problems associated with a proposed 250-hour flight schedule to be accomplished by a single P-3C over a five-week period and staged from NAS Whidbey Island, a base incapable of providing the necessary maintenance support for many of the aircraft's systems, and the probability of success is greatly diminished.

Success, however, is precisely what was achieved when the Command recently completed a 34-day detachment to NAS Whidbey Island, WA in support of Air Defense Initiative (ADI), a SPAWARSYSCOM sponsored component of the Strategic Defense Initiative program.

The object of the detachment was to collect data and test new ASW systems under development for future ADI ASW applications. Commander Pete Kallin, detachment OIC for the second phase of the exercise, described the operation as "the most complex in our recent history in regard to the number of ships and aircraft involved. Every major ASW system for the next 10 to 20 years had a piece being tested there."

The ADI detachment posed several unique problems for the personnel involved. While NAS Whidbey Island has two Reserve P-3 squadrons assigned, they operate the P-3 "Bravo" and could only provide maintenance support for basic airframe systems of the Command's more

Continued on page 4

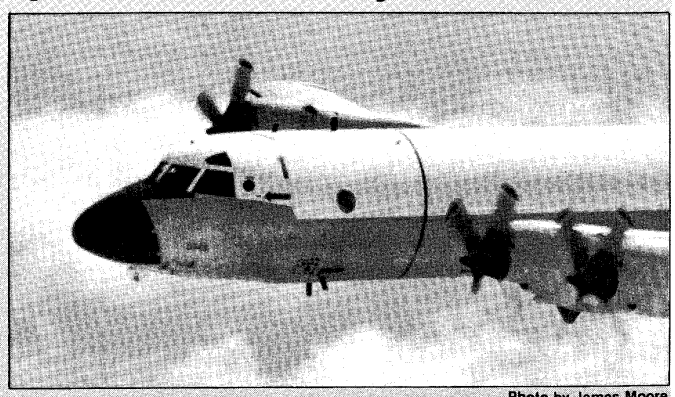
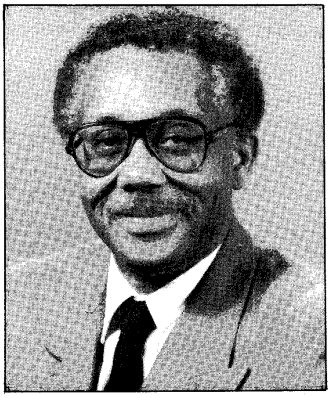


Photo by James Moore

Aircraft returns from Strategic Defense Initiative support.

Command Corner

Captain William L. McCracken
Commanding Officer



Guy C. Dilworth, Jr.
Technical Director

Bird's eye view

As I see it . . .

By Captain William L. McCracken

Antisubmarine Warfare (ASW) is one of the Command's main areas of expertise. This evolved from our early work in modifying Navy aircraft, adapting them with ASW sensors and returning them to the Fleet.

The first patrol aircraft designed specifically for ASW, a P-3A, was conceived here from the ground up. This led to the P-3C, a new concept of having a computer on board the aircraft to help offload the operator. This program became so successful, the decision was made to expand the size of the processor, add new capabilities to the airplane, and make NADC the prime contractor for ASW. The Center developed the capability to do large real-time software programs, such as the P-3C Update I, the largest real-time software program in the free world.

The ASW community needed to expand its role. The Command developed a carrier-based computerized ASW aircraft called the S-3A. We went on to define and write all the programs for the Carrier Tactical Support Center. The Command currently serves as the software support activity for the S-3B.

The Command also developed the SH-2 LAMPS MK I helicopter to help in the battle of finding submarines. The command is the software support activity for LAMPS development.

To do this work, we have several ASW support facilities: P-3 and S-3 Labs; Key West Facility; Rosso Lab; SAR aircraft; Test Bed P-3 aircraft; LAMPS-AVIONICS Integration Lab; and the Sonar Development Facility (Quarry).

Sonobuoys are a major part of ASW. It is significant that every sonobuoy in the Navy doing ASW was created and developed here. We have several ASW sensors program projects: Advanced Active Sonobuoy; Air Deployed Acoustic Receiver; Airborne Active Adjunct; Advanced Shallow Water Sonobuoy; Acoustic Intercept System; Expendable Reliable Acoustic Path Sonobuoy; and the Tactical Surveillance Sonobuoy.

As you can see, our work covers many different areas. From land and carrier-based aircraft to sonobuoys, our contribution to ASW has been a very significant one.

Security reminder

Don't disclose classified material

Classified material will not be disclosed through any manner of publication or presentation open to the general public.

All proposed releases of technical information, whether generated within the Center or received for Center approval, will be forwarded to Code 044 for security review and to the Public Affairs Office (Code 041) for public release authorization.

Proposed releases of a non-technical nature also are subject to a similar review coordinated by Code 041.

Unclassified information must be reviewed to ensure that sensitive unclassified information relating to militarily critical technology is not released inadvertently.

A minimum of 30 days is required for review by Code 044 and 041. (OP—NAVINST 5510.1H and NAVAIRDEVCENINST 5510.13D)

Technical highlights

Technical Evaluation (TECHEVAL) for the CV-ASWM Model 4.2 System was completed incorporating fixes to more than 124 Program trouble reports.

LAMPS FI 20.0 software has started OPEVAL. FI 20.0 enhancements include the Global Positioning System, MK-50 torpedo, Penguin missile, 99-channel sonobuoy system, and the flight incident recorder.

Code 2011 completed analysis of power consumption of night vision lighting comparable A-6E cockpit lighting component. Based on this analysis and the capacity of the existing A-6 electrical circuit, the design of the proposed lighting components will be revised.

Code 2011 completed evaluation for the Unmanned Air Vehicle (NAV) Joint project office of proposals for an at sea demonstration of a tilt-rotor UAV.

A draft of the proposed United States/United Kingdom Polaris-TRIDENT II Technical Arrangement Document for the Ocean Survey Program Survey System (OSPSS) was released by the Strategic Systems Programs office, The Center has been selected as the technical agent by the office to design, develop, integrate and install the survey system aboard a UK vessel. In addition, the Center will provide life cycle support for the systems hardware, software and documentation.

Contracts are in place to develop three of the major components of the Broadband T/R module for use on the Wideband Airborne Early Warning (AEW) Test Bed Program. The receiver section of the module will be developed in-house by the Technology Development Branch (Code 4041) of the Communication and Navigation Technology Department. The integration of the major components and testing of the complete T/R modules will be performed by the Surveillance Radar Branch (Code 5022) of the Microwave Technology Division, MIssion Avionics Technology Department.

Dr. John De Luccia and James Bethke, Aerospace Materials Division coordinated and assisted in the teaching of the FAA's "Corrosion Prevention and Control for Aircraft" training course held in Seattle, WA.

Dr. Charles Hegedus, Anthony Eng, Donald Hirst and **William Green**, Materials Protection Branch (6062), received patent disclosure awards for "High Gloss Self-Priming Top-coat."

Ed Deska of the Aero Structures Division traveled to the West Coast and assisted Major Len Bourneuf of the Unmanned Air Vehicle Joint Program Office (UAV-JPO) in assessing UAV's for procurement by the Army U.S. Southern Command for drug interdiction.

Douglas Bagwell, Materials Application Branch, completed test and analysis of the F-18 pump case drain flow versus pressure.

Neal Rebuck, Materials Application Branch, attended a meeting of the Mishap Investigation Team for the UH-1 helicopter at Pensacola NADEP. He presented NADC data from tests conducted on the grease lubricant used in the high speed coupling connecting the engine with the main transmission. As a result of the meeting, the Mishap Board has recommended additional testing of the grease and that a Military Specification should be developed to cover the lubricant.

Kenneth Green, Marvin Walters and **Seth Moyer** from the Aero Analysis Division (605), briefed at the Pentagon on the approach being proposed for repair of the DTRC Transonic Wind Tunnel under NAWC/AD sponsorship.

The F-18 Structural Appraisal of Fatigue Effects (SAFE) report, containing fatigue life expended (FLE) data at six critical locations for more than six-hundred aircraft, including Blue Angels, was issued by the Aero Structures Division. FLE data reflected all flight operations through July 1991.

The F-14 Wing lug coating process developed in the Organic Coatings Laboratory of the Materials Protection Branch has been approved for use during rework of F-14's at NADEP, Norfolk. This achievement makes it possible to continue the normal F-14 maintenance schedule that would have otherwise been halted for lack of this vital coating.

By memorandum

Employees get shoes

The Naval Air Warfare Center, Aircraft Division, Warminster and the American Federation of Government Employees, Local 1928 have negotiated a memorandum of agreement.

Briefly, employees required to wear safety shoes by NAVAIRDEVCENINST 5100.32B and OPNAVINST 5100.23B will be reimbursed up to $65. Appropriate receipt certifying shoe cost will be required.

Reflector

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NAVAL AIR WARFARE CENTER • AIRCRAFT DIVISION • WARMINSTER, PA

The *REFLECTOR* is published monthly by the Public Affairs Office to inform Center Personnel about topics of interest, and to promote the morale and general welfare of all concerned.

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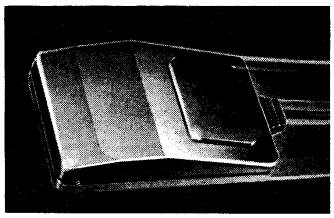
Letters to the Editor:

Help me keep up



Now that we have a new name, how can I best make changes in existing documents, letters, etc., which I have stored on floppy disk or hard drive. I'll need to update some and I need to use others as master forms. I'm sure I'm not alone. How can I set up function keys to type the various forms of our new name?

Name withheld

Help with new names

Here are two ways to **replace** our old name with our new name in existing Microsoft Word documents.

Method 1 — Use Replace command.

- Load Microsoft Word and the document to be modified.
- Type "Control+PgUP" to move cursor to the top of the screen.
- Press the "ESC" key to activate the menu bar.
- Select "R" for the Replace function.
- At the "REPLACE text" prompt, type "Naval Air Development Center."
- At the "with text" prompt, type our new name.
- Press the "Return" key.

Method 2 — Create a macro.

Load Microsoft Word.

- Press the "Shift+F3" keys simultaneously to begin recording the macro.
- Type "Control+PgUP" to move cursor to the top of the screen.
- Press the "ESC" key to activate the menu bar.
- Select "R" for the Replace function.
- At the "REPLACE text" prompt, type "Naval Air Development Center."
- At the "with text" prompt, type our new name.
- Press the "Return" key. 'Search text not found' will appear.
- Press the "Shift+F3" keys simultaneously to stop recording the macro.
- The prompt "COPY to" will appear.
- Type "NAWC AD Warminster ^<CTRL X> " and return. Be careful to enter exactly as shown typing everything within the quotes.
- Press the "ESC" key to activate the main bar.
- Press "T" for the Transfer function, "G" for Glossary, and then "S" for save.
- Press the "Return" key to save the new Glossary to the Glossary name specified by Word (most l;ikely it will be titled NORMAL.GLY).

Your macro is now created and saved.

In order to run the macro you have just created, follow these steps:

- Load the Microsoft Word document you wish to edit.
- Press the "Control+Shift+X" keys simultaneously.
- Save the document.

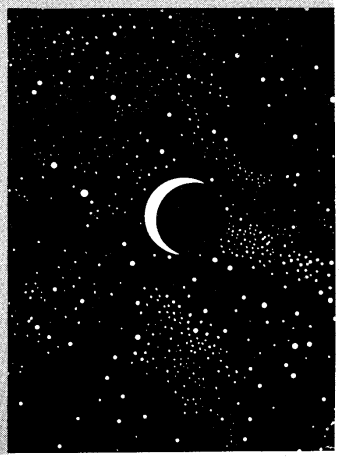
Here is one way to enter our new name in a new document.

- Type our new name into a document, then highlight the entry. Also include any character or paragraph formatting (F6 key to turn extension on then F8 key to highlight the words).
- Press the Esc key and choose COPY.
- In the TO field type the glossary name (for example, NAWC).
- Press the Enter key.
- To enter the text "our new name" into a document move the cursor to where you want to enter the text.
- Type NAWC and press the F3 key.
- Save the document.
- When quitting Word type Y when prompted to save the new glossary entry.

This is a one-time only procedure. You can now type NAWC and press the F3 key to insert the new name in any document you create.

For further assistance call User Services at X3219.

In a galaxy far far away a long time ago, . . .



Emperor: We've reduced their benefits!
We've raised their taxes!
We've kept their salaries low!
We've threatened to exile them to "The Land of the Swamp!"
What else can we do to harass and make our subjects miserable?
Darth Vader: Set up a RADAR speed trap and ticket our best people as they leave the gate after work.
Emperor: An excellent idea!! Let's do it!
And it was so. . . .

Name withheld

Not too long ago, in a galaxy of our own . . .

. . . things began to change. . . . Employees started to complain about speeders, especially near the fuel area and near the satellite dishes. Drivers only slowed for stop signs and many only reluctantly yielded to pedestrians.

The Security folks were given a radar gun and funded for training and told to use both. They calibrated their equipment and waited.

In this galaxy, *empire* security even warned people in the *LOG* long before they began to use their radar blasters. By initial report they fired on a *rebel snub fighter* doing 35 mph in a 15 mph zone. Next night, they got 12 more doing about same. Appreciated or not, the *empire's* security officers are doing their jobs. "Chewey, this isn't the Kessel run. Divert power from the main engine to the deflector shields. We'll slow down and they'll never pick us up."

Drivers ticketed in this part of the galaxy appear before one of two Naval officers appointed as Traffic Court Officers. Those appealing the results of this hearing do so before the Executive Officer, an accomplished pilot but no Darth Vader.

Drivers failing to appear for a rescheduled hearing may have their docking (driving and parking) privileges suspended for five days and have the Department of Defense decal removed from their vehicles.

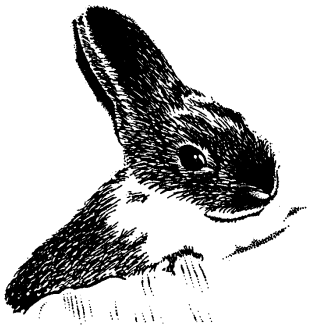
First moving violations may range from a reprimand to a two-day suspension. Second offense may lead to a five-day suspension and a third offense may lead to a 10-day suspension or a minimum of five days suspension. Fines are in multiple of a day's pay.

Many employees walk very casually when they are outside Command buildings and need to be safe. A permanent knee injury from a bumper hitting a side of a knee is serious. Most employees are part-time pedestrians as well as drivers.

The *Empire* reports a fuel truck almost was hit. This couldn't have produced as big an explosion as an exploding Battle Star, but then we are much closer if anything goes wrong.

A long time ago, in a galaxy far far away . . .

Where have all the rabbits gone?



Dear Editor:

For many months now I've been seeing a few rabbits around the bushes by the solarium. It was pleasurable seeing wild animals coexisting with us. Then a few weeks ago an exterminator threw poisonous pellets into the bushes and the rabbits' lair. I have not seen any rabbits since. Now, every time I walk by the solarium I become angry. What damage were the animals causing?

Name withheld.

Dear Inquirer:

Our Pest Management Program works on an *on call* basis. The pest controller was responding to service calls concerning rat sightings in the solarium area (which is immediately adjacent to the cafeteria. Rodenticide pellets were placed in proper bait stations and in the rats' burrow. Continual surveys are conducted to ensure our pest management devices are properly placed to reduce the possibility of non-target pests being affected.

The area near the solarium had recently been clared up and re-landscaped. Vegetation desirable to rabbits may have been removed; this may account for the lack of rabbit sightings in the solarium area.

Rabbit habits change with the change of seasons. It is possible that the rabbits' daily routines have changed recently.

Tom Ames

Dear Inquirer:

I and probably several people looked forward to watching rabbits scamper away as we strangers passed by on the way to and from work.

In the early mornings, I also saw rats and guessed the rabbits' days were naturally numbered in such a confined area.

Editor

Command employees are encouraged to submit Letters to the Editor or submit stories about the Command or interesting people here. Letters to the Editor must be signed but names will be withheld if requested.

Severe Weather Closing

In the event of inclement weather, closing announcements will be aired by the following radio stations: KYW (1060 AM) and WBUX (1570 AM). Also a recorded message will be available to advise employees whether or not the Command will be closed due to severe weather conditions. Recorded information will be available by dialing 441-**SNOW** which is 441-**7669**. Employees are advised **Not** to call the Center operator or Officer of the Day for information.

Tough tests successful

Continued from page 1

advanced P-3 "Charlie." All other support had to be arranged through NAS Moffett Field.

Scheduled and unscheduled aircraft maintenance had to support an extremely optimistic flight schedule which, at times, had the Command's aircraft airborne for 20 hours a day.

The exercise was a highly orchestrated event involving six civilian research ships, two Navy vessels, and countless aircraft all operating concurrently in the same area. It proved to be a test in crew coordination.

Phase One of the ADI detachment consisted of the gathering of environmental data to be used for Phase Two. The aircrew and maintenance personnel went to NAS Whidbey Island on November 13 and were led by detachment OIC Major Barry Hansen, as well as aircraft commander Lieutenant Dan Hable, tactical coordinator Lieutenant Gordon Smith, and maintenance detachment chief ATC David Ader.

The aircrew successfully completed six data gathering sorties logging over sixty flight hours. Major Hansen cited the outstanding support provided by VP-69 of NAS Whidbey Island and the Command's own maintenance department as being "instrumental in maintaining the P-3 in an up status throughout the first phase of operations."

Phase Two of the detachment began on November 29 with the arrival of two new aircrews and a fresh maintenance team. Leading the detachment as OIC and acting as tactical coordinator on one of the aircrews was Commander Kallin. Lieutenants Dave Shows and Rob Wileman served as the aircraft commanders while Lieutenant Chip Caverly acted as the remaining tactical coordinator. The maintenance team was led by ATC Mike O'Rourke and AMCS Edward Smith.

The bulk of missions were accomplished during Phase Two with both crews flying a total of 16 sorties and logging over 130 flight hours. Missions were routinely scheduled for both day and night and often saw the aircraft on the deck for only a few hours before getting airborne again, leaving barely enough time for required maintenance. Coordination with other exercise participants was arranged through a Mobile Operations Command Center (MOCC) established and manned by personnel from COMPATWINGSPAC.

Commander Kallin proudly points to the fact that the Command met every one of its operational commitments and is quick to praise the efforts of the maintenance personnel. "Senior Chief Smith, Chief O'Rourke and the entire maintenance detachment worked extremely had to ensure our aircraft was mission capable for every flight, despite a demanding around-the-clock flight schedule," he said. Kallin added, "The smoothness of operations we enjoyed never would have occurred had it not been for the outstanding individual efforts and pre-exercise coordination of ADI project engineer Mike Higgins (Code 503) and operations research analyst Al McCarty (Code 301)."

Undertaking a demanding and ambitious detachment was a monumental task for all involved but proved that prior planning and coordination will result in overwhelming success.

In a post-exercise message SPAWARSYSCOM extended congratulations to the Center citing its "dedication and professionalism (which) have produced results that have exceeded our most optimistic expectations." It is through such commitment and hard work in the field of experimental ASW systems that the Center will continue to produce the quality of results as it did in the Whidbey Island ADI detachment.

DEPARTMENT OF THE NAVY
NAVAL AIR WARFARE CENTER
AIRCRAFT DIVISION
PATUXENT RIVER, MARYLAND 20670-5304

2 January 1992

From: Deputy Commander, Naval Air Warfare Center Aircraft Division
To: All Hands

Subj: ESTABLISHMENT OF THE NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION

1. On 12 April 1991, the Secretary of the Navy approved a plan to consolidate Navy research, development, test, and evaluation, engineering, and fleet support activities. This consolidation is to streamline the Navy's infrastructure and preserve the Navy's core capabilities during the coming years of congressional budget and acquisition reductions. Under the consolidation plan, the Navy formed four warfare centers and one laboratory. One of these warfare centers is the Naval Air Warfare Center (NAVAIRWARCEN), with its headquarters located in Washington, D.C.. Effective 1 January 1992, NAVAIRWARCEN officially "stood-up" and Rear Admiral George H. Strohsahl became its first commander. He reports to the Commander, Naval Air Systems Command.

2. NAVAIRWARCEN will be a full spectrum center responsible for all aspects of the acquisition and support of Naval aircraft and weapons systems. It will consist of two divisions, the Aircraft Division with headquarters at Patuxent River, Maryland, and the Weapons Division with headquarters, at Point Mugu, California. The Aircraft Division is formed from the Naval Air Test Center, Patuxent River, Maryland; the Naval Air Development Center, Warminster, Pennsylvania; the Naval Avionics Center, Indianapolis, Indiana; the Naval Air Engineering Center, Lakehurst, New Jersey; and the Naval Air Propulsion Center, Trenton, New Jersey. The Weapons Division is formed from the Pacific Missile Test Center, Point Mugu, California; the Naval Weapons Center, China Lake, California; the Naval Ordnance Missile Test Station, White Sands, New Mexico; and the Naval Weapons Evaluation Facility, Albuquerque, New Mexico.

3. With the official "stand-up" in January 1992, you are now working for NAVAIRWARCEN Aircraft Division. Initially, you may not notice any significant differences in your normal work activities other than being a part of a much larger team with a broader scope of responsibility. However, as our current organizational and integration plans are implemented you will see emerge a more streamlined, more efficient organization fully responsive to our customers. Your local management will continue to keep you informed on the development of our new organization.

4. During this time of tight defense budgets, all our efforts must remain focused on ensuring the quality and efficiency of our technical programs. I know that by working together, we will be able to offer greater capabilities and contributions to the Department of the Navy. I look forward to working with you as we build this new Navy organization.

DENNIS DISTLER

Joseph E. Laska, Jr., Microwave Technology Division supervisor, Code 5022, discusses fellowship program with Joseph G. Teti, Jr., who received his Ph.D. in December.

Teti becomes fellowship program's first Ph.D.

By Ed Cavello

Joseph G. Teti, Jr., of the Microwave Technology Division, Code 5022, received a Ph.D. in Electrical Engineering this December from the University of Pennsylvania's Moore School of Electrical Engineering.

Teti is our command's first employee to complete his doctorate under the Ph.D. Fellowship Program. He pursued a program of study to increase his knowledge of radar principles, theory of electromagnetics and communications as they apply to surveillance, tactical and synthetic aperture radar (SAR) applications.

Armed with this new knowledge and expertise, Teti will develop technologies essential for microwave remote sensing using SAR and the implementation of next generation Airborne Early Warning radar systems such as wideband, low frequency array antenna systems and radar signal processing for improved target detection performance.

When asked about his thoughts on the program, or any advice he had for future candidates, Dr. Teti offered the following: "The Ph.D. Fellowship Program affords an excellent opportunity to pursue advanced study, provided candidates understand the seriousness of commitment involved," he said. "For example, the research alone required an inordinate amount of time. I spent numerous hours utilizing the resources and staff of our Technical Library, to whom I express my deepest appreciation for supporting a large portion of my research."

The Ph.D. Fellowship Program is an opportunity for competitively selected employees to obtain doctoral level academic knowledge in specialized critical areas of expertise.

Selectees may be sponsored for two academic years of full-time Ph.D. level training and receive full salary and related academic expenses.

For additional information on this training program, contact Ed Calvello, Employee Development Division, x1020.

RADM Strohsahl speaks

Continued from page 1

we will be a self-regulated industrial facility." Presently, he is pursuing authority to seek outside work.

Increased workload is bound to come our way he emphasized, "NavAir will do program management, headquarter's level budgeting, personnel management and logistics policy development."

Strohsahl said that in times of change and unrest, our nation is at risk from having to do something like Desert Shield and Storm. "We are going to appreciate the bipolar stability (U.S. vs. USSR) of the past. Then, we knew what we were dealing with and could make marginal adjustments.

Though Strohsahl envisions an integrated business system centralized at Pax River, he said personal contact with class desks, etc., will not change. "There will not be one iota of science, engineering or logistics done out of the line organizations (such as us). You can't get something done unless an engineer and manager and pilot all get together."

John Scott asks probing question.

Helicopter returns to Command to extend service

By Joe Cameron

On December 2, a TH-57C SEA RANGER Helicopter piloted by Helicopter Training Squadron Eighteen (HT-18) Instructor Pilot LT Bruce Jones arrived. For the next three days, scientists and engineers from Codes 10 and 60 inspected the aircraft to determine requirements to extend the aircraft service life past its current 10,000 hours limit.

The Navy uses 140 TH-57B/C single engine, land-based utility helicopter series aircraft to train 600 helicopter pilots annually. The TH-57B helicopter provides familiarization and basic Visual Flight Rules (VFR) tactical maneuvering training. The TH-57C is Instrument Flight Rules (IFR) certified and used for basic and advance instrument training as well as basic VFR tactical maneuvering training.

In order to operate the TH-57B/C series aircraft beyond the present 10,000 hour service life limit, a Service Life Assessment Program (SLAP) is required. SLAP analytically evalutes the remaining life of fatigue sensitive components and subsystems and is the prerequisite to a Service Life Extension Program (SLEP).

On November 18, 1991, CDR Paul Novak, Code 102, David Woll, Code 1021, and Hank Lystad, Code 60C3, started a joint effort to prepare a SLAP proposal for the TH-57 Program Manager. The TH-57C aircraft was provided by the Chief of Naval Air Training from December 2-6.

Existing aircraft begin to reach the end of their service life in 1996. The SLAP proposal will include tasks required to assess structural, engine and aircraft subsystems to extend service life to 2010 and provide cost and schedule information.

During 1992, we expect to receive one non-flyable laboratory TH-57 and two flyable TH-57C's to support this and other Center projects. Potential areas for flight operations include TH-57 SLAP, Unmanned Air Vehicle Sensor Packages, a Long Focal Length Surveillance System, and Global Positioning Systems.

Photo by Jason Craig

Technical personnel from Code 90 move a TH-57C, Sea Ranger, into hangar for initial inspection by Code 60.

Sign of the times

New Interim NAWC AD Warminster sign made history

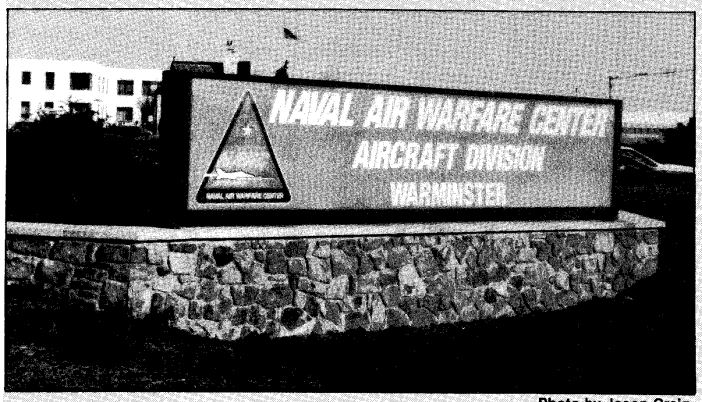


Photo by Jason Craig

By Lawrence L. Lyford

Those employees leaving here the first Monday in January who headed toward Street Road saw a new sign replacing the familiar main NADC one.

It appeared without warning or fanfare and looked very good. It bore our new logo on the left side and had large white letters announcing our new identity, Naval Air Warfare Center Aircraft Division Warminster. The deep blue background had traces of waves. At night, the background appeared black so the white lettering blazoned to passersby.

Few realized this was simply a temporary sign, the product of cooperation between the graphics branch, Code 8133, and the sheet metal shop, Code 8113. Fewer knew it was ready in three days.

Eugene Locuniak was the prime mover in Code 8133 according to Bill Roadfuss, graphic supervisor. Lisa Cipolloni, Cathy Burian and Carmaretta Anderson produced many of the actual design elements.

Lacuniak transferred the logo from writing paper size to a dimension appropriate for the 20-foot sign. "Though the sign looked very good, it would not have lasted outside for an extended period due to the elements. It was made of paper fastened to the inside of the plastic," said Satterfield.

Harry Cain, in the paint shop, Code 8113, outdid himself on matching the colors and painting the sign, according to Satterfield.

The sheet metal shop had the sign in place shortly after it was approved, overcoming last-minute challenges.

Even those calling the public affairs office to complain of the term "warfare," including one reporter, universally said how good the sign itself looked.

Photographs of the sign were shown to RADM George H. Strohsahl, the head of the newly created Naval Air Warfare Center, in Washington, D.C. He was so impressed according to Guy Dilworth, our technical director, he said he would show them to Assistant Secretary of the Navy (Research, Development and Acquisition), Hon. Gerald Cann, later the same day.

The temporary sign became necessary because final approval of the documents creating the reorganization and authorizing the logo took longer than anticipated, preventing contracts from being executed.

If the SOC fits

Environmental work hazards we all want to avoid

By Robert G. Janes

In last month's Standards of Conduct (SOC) column, I mentioned the Justice Department's prosecution of three Army employees for a variety of environmental crimes resulting from actions they took (or did not take) on the job. That column has led to some requests for more information regarding the potential personal liability of Command employees resulting from things we do as part of our jobs.

There are two basic types of lawsuit — a civil suit (usually seeking monetary damages) brought by a private party, and a criminal suit brought by the government.

In a civil suit, government employees are generally immune from liability for any actions taken within the scope of their employment. In other words, if you are performing your job but are somehow negligent, and make a mistake which causes harm to someone else, you are still immune from any personal civil liability since at the time you were acting within the scope of your employment.

If, on the other hand, you get into an argument with another employee and smack him over the head with a hammer, this is something that goes beyond the scope of your job, an intentional act for which you could be sued and would not be immune.

During the last few years, at least 16 different Command employees, ranging in grade level from a GS-5 to SES and Navy Captain, have been personally sued in civil lawsuits for actions they took on the job. In each of those cases, the Justice Department (with assistance from the Command's Office of Counsel) provided free legal representation.

The various Justice Department attorneys who were involved — who after all, were all government employees too — were uniformly eager to help and gave each case a high priority. Each case was ultimately thrown out of court or otherwise won by the defendant long before any trial was necessary.

What I have said above regarding *civil* suits should be contrasted with *criminal* suits. The general immunity from liability and free legal representation applicable to civil lawsuits do not apply to criminal suits.

If someone commits a criminal act on the job, he enjoys no immunity from suit, and if prosecuted must arrange for his own legal representation. There have been a couple instances here, where people have been criminally prosecuted and convicted for actions they took on the job, for things like drug possession and travel fraud.

These were both obviously outside the scope of the job, and in each case the government did not play any part in the employee's defense.

1991 Barnaby Award

Naval civilian managers association selects winners

By Margaret Vigelis

At a recent Naval Civilian Managers Association (NCMA) luncheon Robert A. Finkelman and Louis A. Naglak, two of the Command's outstanding managers, received the 1991 Ralph S. Barnaby Award.

Naglak, who heads the Communication Navigation Technology Department, was recognized for his sustained, highly successful management contributions to Command technology and engineering efforts in software, communication and navigation areas.

The award cited Naglak's many accomplishments. As a branch head, Naglak managed the technology efforts for development of acoustic signal processing algorithms and architectures leading to the first demonstration of fully digital processing of sonobuoy acoustic signals.

Under his leadership as a division head, his division developed macros for signal processing now embedded in high speed integrated chips and advanced memory modules that has replaced the S3A memory system.

As head of the Software and Computer Department, Naglak managed the conceptual formation of the Command's technology program in software development under the DOD STARS program. This led to the development of new and advanced software environments and an advanced executive for the AN/AYK-14 computer.

During his present assignment, he led his department's expansion of business and establishment of the GPS, JTIDS and TACAMO laboratories. Due to his leadership and management, the GPS laboratory has been recognized as the lead DOD activity for studies, analyses and development support for new GPS equipment.

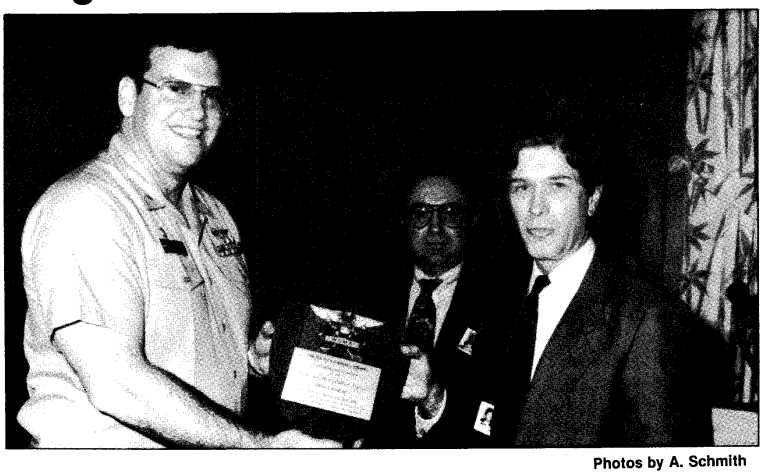
Finkelman, the head of the Computer Department, was honored for his technical and administrative management contributions to the development of highly successful information technology and automatic data processing systems.

The award noted his outstanding contributions and managerial efforts that resulted in the Command becoming a Center of Excellence for Information Technology and Automatic Data Processing (ADP) within the Navy.

It further commended Finkelman for his able management of the development of information technology systems; responsive to functional needs, reliable and available to all appropriate users. These systems withstood rigorous reviews by external organizations such as NAVCOMPT and the Navy Accounting and Finance Center and have merited outstanding ratings.

Finkelman also managed the implementation of the Center Office Automation System (COAS). With his leadership, the COAS was designed to be menu-driven so that users are not required to master even basic workstation commands.

Because of his reputation as an outstanding manager of ADP resources, Finkelman was selected to serve on the SECNAV ADP Assessment Panel to improve ADP management in the Navy.



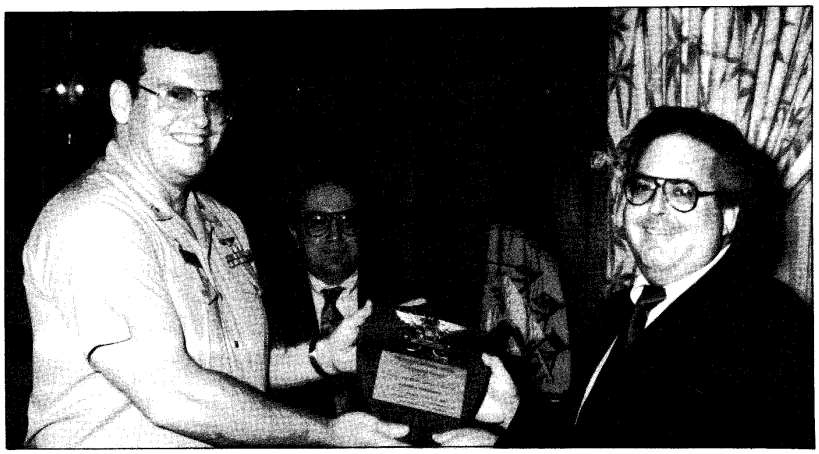
CAPT. William McCracken presents Barnaby Awards to

Louis A. Neglak . . .

Photos by A. Schmith

and

Robert A. Finkelman.



Survivor Benefit Plan has Open Season

A revised military Survivor Benefit Plan hits the streets in April 1992, giving *retirees* and soon-to-be retirees the chance to upgrade their coverage.

The plan provides income to the surviving family after a retired service member's death, said Chrisopher Jehn, assistant secretary of defense for force management and personnel.

Under recently enacted public law changes, the package offers a supplemental plan to avoid age-62 benefit reductions and a one-year open enrollment period.

Premiums depend on the member's retired pay and the desired amount of coverage, which may range from a $300 minimum to a total equal to the monthly reitrement check.

Jehn said up to 55 percent of the service member's elected base is paid to the survivor until age 62, when the benefit drops to 35 percent. Because Social Security payments offset and roughly equal the reduction, the survivor continues to receive about the same amount of money, 55 percent of the retired base pay. With the new optional coverage, a retiree can select the survivor's benefit level at age 62 or older, from 35 to 55 percent in increments of 5 percent. Social Security benefits are in addition to this.

Buying optional coverage means the survivor's benefit after age 62 may remain unchanged.

"The premium for the supplemental depends on the service members' age at the time they begin the plan, as well as the coverage level they want their beneficiaries to receive after age 62," Jehn said.

"Basically, what you're buying is life insurance in a very real sense," he said. "The retirees and their spouses are going to be given options they don't now have. So, they'll be in a position to more flexibly plan, to do estate planning."

The open season for enrollment in the plan will begin in April 1992 and continue through March 1993. Open seasons are rare; this is only the third since the Survivor Benefit Plan went into effect in 1972.

"Right now, the requirement is that you have to enroll at the time of retirement," said Jehn. "Under the open enrollment, members can be enrolled in the system who have not previously done so. Also, those currently in the system may choose to upgrade their coverage at this time."

Specific information on the plan will soon be available at local installation retirement offices.

Black History Month

Events will help us celebrate

By John R. Hester

In February, the Command, along with the rest of the nation, will celebrate Black History Month. This year's national theme is "African-Americans In The Space Age." This theme refers not only to the recent emergence of African-Americans in the National Aeronautics and Space Administration and the American space program. It also refers to the progress that must be made as the United States heads toward the 21st Century.

The Command's Black Interest Group, in conjunction with the EEO office, will sponsor a number of events, including at least one featured speaker, films of interest, and employee career development and self-improvement programs. These events will be open to all Command employees, so watch for more information about them in the Log and on various posters around the Center.

NAWC TALK

Surveys, talk are necessary

By Larine Barr

A survey of facilities at the Patuxent River Naval Complex will have a dramatic influence on what the installation will look like for decades to come. Base facilities are being studied as part of the overall transition from the Naval Air Test Center, to the Naval Air Warfare Center Aircraft Division (NAWC AD) — which officially stood up on Jan. 2.

Design teams from CRSS Architects of Greenville, S.C., the architectural and engineering contractor for the relocation of employees from Warminster, Pa., to Patuxent River, launched the first stage of their data gathering evaluations here last week, called facility utilization surveys. The studies are aimed at Pax River facilities that will merge with Warminster to determine how much space certain activities currently occupy and whether these areas are being adequately used. CRSS did a walk-through inspeciton of about ten buildings in last week's inspection to "validate existing information and verify the boundaries of those activities," said Project Manager Barbara Price of CRSS. She explained that the data gathering is the first wave of activity in their programming efforts to get a clear picture of the relocation needs before CRSS begins any design activity.

"We are doing our homework before initiating any construction projects," stressed Mike Kane, NAWC AD special assistant for facility consolidation, during a briefing to senior managers on Jan. 7. In tandem with the data gathering efforts for the Warminster relocation, these managers will don design team "hats" and meet with their counterparts in Warminster at the end of January to exchange ideas and make proposals about each other's facility needs.

"This is a joint venture between Pax and Warminster — so we should know what each other's needs are," Kane explained. "During the interviews we'll find out what we have at Pax and what Warminster wants to bring down . . . we can't afford to duplicate what we have here or build a lab we don't need. This is a crucial point in our planning phase."

The information gleaned from interviews between Pax River and Warminster will be passed on to CRSS and affect the outcome of what types of facilities will be constructed and which existing spaces will be renovated for the Warminster relocation.

In conjunction with the utilization survey, CRSS also will conduct facility condition inspections on about 24 station buildings over a one-month period. "Condition surveys are going to be taken from a construciton and repair point of view — in other words, what we need to do for facilities that are going to be changed and not to be used the way they are now . . . and determine the suitability of buildings for various functions like labs, computer rooms and offices," said Kane. He used VQ-4, scheduled to leave Pax River next year, and the existing commissary store as examples of facilities that will be evaluated for extensive facility form changes "as part of the solution to support research, development, test and evaluation aircraft."

"The initial list of buildings we'll look at will be a little bit longer than what we eventually end up using. Right now, we're trying to come to the decision of what are the best buildings to use and what makes the most sense in the long term for NAWC Aircraft Division. We're going to be coming to certain spaces, looking at rehabing or moving groups out — if that's logical. So, just because we look at your space that doesn't mean it's a foregone conclusion that it will be used for the consoliation," Kane said on Jan. 7.

Once the survey information is compiled, Project Manager Price said CRSS will develop decision documents that outline the proposed locations for the NAWC AD groups. These documents will be presented to the executive steering group for approval. This group is comprised of Denny Distler, deputy commander, NAWC AD; Captain Bill McCracken and Guy Dilworth, from NAWC AD, Warminster; Captain Bob Parkinson and Paul Davis from the Flight Test and Engineering Group; Captain Donald Wright and Captain Tom Gibb from NAS Patuxent River. They are expected to approve the master siting plan in March, the initial design concept in April and the final design concept in late May.

Science Fair coming

By Star Forster

The Third Annual Science Fair, sponsored by AVCSTD, Code 60, will take place on April 11. Local high school students (grades 9-12) from 39 schools have been invited to participate in this event. Categories are Life Sciences, Engineering, Computer Science, Environment, Chemistry, and Physics.

Awards have been donated by associations such as Women in Science and Engineering Committee (WISE), Survival & Flight Equipment (SAFE) Association, Southeastern Pennsylvania Chapter of the Navy League, the Command's Officer's Association, and the Naval Civilian Managers Association.

This year, the U.S. Navy and Marine Corps are expected to present awards under the Naval Science Award Program (NSAP), sponsored by the Secretary of the Navy and administered by the Chief of Naval Research.

Also, the Officers Wives Club along with other Command activities will participate to make this event a success.

In essence, the Science Fair is a consorted effort involving not only the Center but other organizations as well. The occasion has helped the Command demonstrate interest in the surrounding community.

The Science Fair tradition began in 1990, and its success led to the second science fair which attracted 42 high school students. This left instructors and parents looking forward to the 1992 Science Fair with enthusiasm.

An important outcome of the science fair is the heightened student's awareness and interest in science and engineering career opportunities.

Readers wanting to participate in this rewarding experience or to register a student (school sponsoring is not required), should call Tom Wardle, Code 6031, Science Fair Committee Chairman, at x7600.

Upcoming events

Shakin' Not Stirred Band will perform again

By Heather O'Rourke

The Shakin' Not Stirred Band will give a repeat performance at the Lady Luck Club and Conference Center on Friday, February 7. A DJ will spin records until 9 p.m., and then the band will light up the stage with music ranging from classic rock to current hits.

The Lady Luck Club will sponsor a Valentine's Day Party on Friday, February 14. Special guests will be local college students. Specially priced seasonal beverages will be available along with a complimentary buffet. Music will be provided by Club DJs from 8 p.m. until 2 a.m.

MWR and the Command Wellness Program Code 031 will co-sponsor another 5K run on Wednesday, February 26 (with an inclement weather day of Thursday, February 27). There is no entry fee and registrations are taken the day of the race at 11 a.m. The race begins at 11:30 a.m. Trophies are awarded to the top finishers in each category and all runners get a free T-shirt.

MWR is planning another Fashion Show on Tuesday, March 10, featuring spring, summer and resort wear for men and women. There will be a lunch performance, 11:30 a.m., and a cocktail performance, 6 p.m. Tickets for both shows will be available on February 18. All models will (once again) be Command active duty military and government employees. Make plans now to attend. The last show sold out in four hours.

For further information on these and other upcoming events, call MWR x2510 and x3220.

MWR conducting free camps

By Heather O'Rourke

Morale, Welfare and Recreation has been offering activity camps at the Shenandoah Woods Youth Center free of charge on days of early school dismissal and school holidays observed by the majority of the schools in this area.

This helps alleviate concerns felt by working parents when the children are home from school, but the parents are at work.

The camps provide sports, arts and crafts, games and television/video time for children ages 6 through 12 years. However, all chidren are asked to bring a sack lunch, and snacks.

The camps are staffed by trained MWR employees fulfilling the required child care ratio of children to care providers. All active duty military dependent childrenm and NAWC AD Warminster government employees' children are eligible to participate.

The next scheduled camp will be February 6 and 7 from noon until 4 p.m. followed by a camp on February 18 and 19 held 8 a.m. to 4 p.m. Parents are encouraged to volunteer to assist with the camp even if they are only able to donate an hour of their time. Pre-registration is mandatory to provide adequate staffing and supplies.

To register your children for the fun-filled camps, call Sherri McFalls at x2510.

Fitness awards available

By Heather O'Rourke

Morale, Welfare and Recreation is now offering participation in the Presidential Sports Award program sponsored by the President's Council on Physical Fitness and Sports and administered by the Amateur Athletic Union (AAU).

The program was developed by the Council in 1972 in conjunction with national sports organizations and associations. Its purpose is to motivate adults to become more physically active throughout life and emphasizes regular exercise rather than outstanding performance.

The challenge of the Presidential Sports Award is to make a commitment to fitness through active and regular participation in sports and fitness activities. Earning the Award means that you have put in time and effort to meet the challenge of personal fitness. The Award recognizes this achievement and that you are part of a nationwide effort toward a healthier, more vital America.

You can earn the Award in any one of 51 sports and fitness activities, and you can earn Awards in as many categories as you like. Any individual 15 years of age or older is eligible to participate.

To earn the Award you select the sport or fitness activity and keep a record of your participation on the fitness log provided. When you have fulfilled the qualifying standards you submit them to the MWR Fitness Center along with $6.00. You will then receive a certificate of achievement from President Bush, a letter of congratulations from Arnold Schwarzenegger, a blazer patch (embroidered emblem) signifying the activity in which you won your award, an identification tag for a sports bag and a shoe pocket to hold your valuables in while you're working out.

Sports and Fitness activities range in scope from aerobics, bowling, golf, volleyball and running to weight lifting, rugby, table tennis and archery, to mention just a few.

To accept the challenge and get started on your Presidential Sports Award contact Heather O'Rourke at x3220.

"President's Council on Physical Fitness! You're under arrest!"

SPORTS WORLD SPORTS WORLD SPORTS WORLD

First-half Mixed Bowling Champions decided

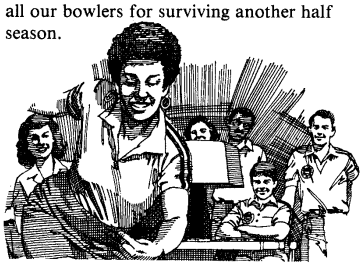
By Tom Reiter

Close to 300 Government employees and contractors enjoy the fun and frustration of Wednesday night bowling each week at Thunderbird's Tudor Lanes. Everyone is invited to stop by and take in the excitement. Along with our fun and games, we also have, at least twice a season, some tense, competitive, divisional championship action. Such was the case on January 8th when first place in both of our 12-team divisions wasn't decided until the last frame of the last game of the night.

In the A Division, Kevin Ryan's Alley cats, with a two-game lead going in, fell to the dreaded Goofers who stormed back with a 4-0 shutout. Led by captain **Al Knobloch**'s twin 215 games and a six-person lineup, the Goofers did what they had to do to avoid a tie-breaking roll-off by squeaking out a seven-pin last game victory. Despite **Kevin Ryan**'s 231 single and 571 series and **Jack (ICE) Eyth**'s shot at being a hero in the tenth frame, it wasn't to be. Jack's pocket hit became a pocket split and it's on to the second half for the tough luck Alley Cats.

In the B Division, with only a two-game difference separating the top four teams, all kinds of tie-breaking situations were possible. Last season's league champion, Steve's Side Show, a game back, and going head to head with the leader, **Randy Yeager**'s From The Gutter, also extended the suspense into the last game. Steve's power ruled with a 65-pin win. Captain **Steve Jerdan**'s 225 single and 576 series led his team to a well-deserved victory.

Congratulations to both teams and to all our bowlers for surviving another half season.



NADC MIXED LEAGUE INDIVIDUAL STATISTICS AS OF WEEK 17

MEN YEAR TO DATE A-DIVISION

H11		H13		AVE.	
Robert Sedlock	225	Al Knobloch	616	Al Knobloch	180
Jack Horning	224	Jack Eyth	573	Robert Sedlock	169
Leo Markushewski	221	Nick Doto	567	Leo Markushewski	165

HI-1/HCAP		HI-3/HCAP	
Jack Horning	260	Nick Doto	687
Glen Pritchard	260	Jerry Guarini	673
Neal Polin	258	Ted Weathers	672

WOMEN YEAR TO DATE A-DIVISION

H11		H13		AVE.	
Kathy Sedlock	241	Kathy Sedlock	599	Kathy Sedlock	179
Linda Stickney	232	Linda Stickney	574	Winona Pelo	171
Lorraine Reidinger	208	Lorraine Reidinger	569	Linda Stickney	170

HI-1/HCAP		HI-3/HCAP	
Linda Stickney	268	Lorraine Reidinger	693
Lorraine Reidinger	266	Winona Pelo	691
Kathy Sedlock	262	Linda Stickley	685

MEN YEAR TO DATE B-DIVISION

H11		H13		AVE.	
Mike Dent	259	Mike Dent	660	Mike Dent	186
Jay Kretzing	248	Jay Kretzing	623	Steve Jerdan	180
Steve Jerdan	245	Ronald Vajda	608	Dave Oliver	174

HI-1/HCAP		HI-3/HCAP	
Rob Simon	283	Mike Dent	719
Jay Kretzing	276	Jay Kretzing	707
Steve Jerdan	272	Randy Yeager	706

WOMEN YEAR TO DATE B-DIVISION

H11		H13		AVE.	
Barbara Vajda	235	Barbara Vajda	607	Barbara Vajda	170
Lorrie Wallace	218	Carla Dragon	566	Carla Dragon	165
Carla Dragon	207	Barb Dilemmo	543	Barbara Fleischut	157

HI-1/HCAP		HI-3/HCAP	
Lorrie Wallace	264	Barbara Vajda	673
Char Pohle	259	Carla Dragon	668
Barbara Vajda	259	Lorrie Wallace	650

Family Home Care — A Command Alternative

By Heather O'Rourke

Working parents often experience the frustration of finding quality child care that meets their needs, schedules and budgets. In an effort to alleviate this problem, commands throughout the Navy currently are instituting or expanding Family Home Care programs. These programs support, and are an alternative to, child care centers which are experiencing waiting lists almost Navy-wide.

Family Home Care is a professional child care operation run from military housing units by thoroughly trained and certified caregivers. These individuals must complete and pass training in Cardio-Pulmonary Resuscitation, first aid, child abuse awareness, fire safety, home sanitation, child development and other related areas.

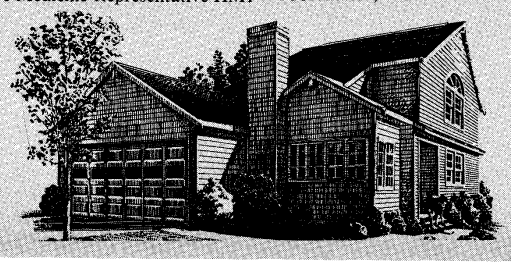
All caregivers submit to vigorous background checks and health physicals before being certified through MWR and approved by the Commanding Officer to operate these businesses out of their homes.

Once the certification process is complete, the caregivers continue to be monitored, checked, and receive training, support and guidance from the Family Home Care Coordinator on a monthly basis. (Only homes that have been certified, inspected and approved to participate in the program are allowed to offer ongoing child care services in Shenandoah Woods. Administrative action will be taken on homes providing unauthorized care.)

Currently, NAWC AD Warminster has nine homes in the program.

Efforts are ongoing to increase this number to fill the need for affordable quality care parents can rely upon.

To further administer, monitor and ensure quality care, the program is reviewed by a Quality Review Board comprised of individuals with areas of expertise pertinent to the various aspects of providing a safe, healthy child care environment.

The 1992 Quality Review Board members are: Chief Fire Inspector Kevin Haggerty, Command Investigator Dave Ritho, Family Advocacy Representative LCDR John Schmidt, Family Service Center Representative Margo Wright, Preventive Medicine Representative HM1 Hammersburg, Housing Representative Ed Pond, DAPA and Senior Enlisted Representative AWCS Dwight Myllenbeck, Family Home Care Coordinator Sherri McFalls and Board Chairman Heather O'Rourke, Marketing and Recreation Director MWR.

For referral information to place your child in a care home or to find out about becoming a Family Home Care Provider, call Sherri McFalls, Family Home Care Coordinator, x2510.