

Dr. E. Ann Berman speaks at AFCEA luncheon



Dr. E. Ann Berman (left), Deputy Assistant Secretary of the Navy (C³I and Space) was the guest speaker at the Philadelphia Chapter of the Armed Forces Communications and Electronics Association (AFCEA) luncheon held annually at the Naval Air Development Center. Pictured right, Philadelphia chapter president, Mason Ellzey presents Robert Buffum, Technical Director, with a certificate of appreciation for the time and effort he expended on behalf of the association.



Volume 31 Number 6

NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PA.

June 1986

In this issue:

In memory of . . .
 Veteran tribute
 Summer Faculty Program
 TBOC '86
 Sunshine Foundation
 Officers' Wives Club

Ninth annual Technical Director awards held



Photo by Urew Schmitt

L to r: Jacob Eyth (Project Leadership), Gwynn McConnell (Technical Support), Robert Buffum, Technical Director, James Cuorato (Administrative Support), Center Commander Captain Edward Sturm, James Crowley (Project Leadership), Dr. James Colvard, Management Advisor to the Director of the United States Office of Personnel Management, Ron Trabacco (Scientific Achievement) and Stephen Campana (Engineering Achievement) are pictured on stage after participating in the annual award ceremony.

by Regina Gasuk
 Mary Ann Brett

"Instead of thinking about the high cost of government, think about the worth of the people. It's really the worth of the people we are going to honor today," said Robert Buffum, Technical Director of the Naval Air Development Center. Buffum was especially honored to be giving out this year's awards because it is the last time he will do it for NADC. He is being transferred to the Naval Air Systems Command, Washington, DC in December.

The Ninth Annual Technical

Director Awards were held on May 25th in the Center auditorium and honored the Center's best in scientific and engineering achievement, project leadership and administrative and technical support.

Nominations for these awards can be submitted by employees, supervisors or managers recognizing a significant record of achievement and/or leadership. Accomplishments should affect the Center or Navy's mission, personnel or a broad area of science or technology. The following awards were presented:

Scientific Achievement

Ron Trabacco, Composites Group Leader in the Structural Materials

Branch received the Scientific Achievement Award. Trabacco's primary responsibility is to oversee and to initiate new composite programs in polymers and composite materials as they apply to naval aircraft. These programs must also address fleet needs and identify stumbling blocks.

"Receiving the award was great!" said Trabacco. "I know it's not easy to recognize everyone who makes contributions, but it really makes a difference. He added, "Awards give incentive as well as satisfaction.

"My most significant contributions have been in establishing a fine group of people to work with me and in helping to develop NADC's composite capability to the Navy-wide scale of recognition it enjoys today."

Trabacco has worked at NADC for ten years. Previously he was a Metallurgist at the Philadelphia Navy Yard for 15 years. Trabacco received his Masters degree in Materials Engineering and his Bachelors degree in Metallurgical Engineering from Drexel University in 1966 and 1961, respectively.

Engineering Achievement

Stephen Campana, an electrical engineer and Head of the Remote Sensing Branch received the Engineering Achievement Award.

Campana's branch of about 22 personnel develops electro-optic sensors for naval aircraft. These sensors include forward looking infrared imagers used for ocean surveillance and infrared search and track equipment used to detect air targets for fleet air defense.

A highlight of Campana's career was developing military applications for solid state devices in the 70's when the technology evolved from vacuum tubes.

"It was a pleasant surprise," said Campana of hearing his name announced as a winner. "I didn't even know I was nominated; the money was

nice, too." Having received other awards during his 23 years government service, Campana said, "even though there was no money involved, the Meritorious Civilian Service Award I received was also nice."

Campana worked as a co-op at the Philadelphia Navy Yard in 1963-1964 and at the Center in 1965-1966. In 1967 he received his Bachelor's degree and in 1972 his Master's degree, both in Electrical Engineering at Drexel University.

Project Leadership

The Project Leadership award was presented to two outstanding individuals. Jack Eyth, program manager of the Dynamic Flight Simulator and Centrifuge Facility manager and Jim Crowley, program manager for the Marine Helicopter programs.

"It's good to know that people appreciate the work I've done, not just this year but over the past five years," said Eyth. "This was technically a very difficult project with a lot of risk factors." The project went through every phase that a project goes through, according to Eyth. The first phases are design, fabrication and installation, then G-qualification to 15 G's and, finally, validation to prove flight just like an F-14. The final test was to bring F-14 pilots to the Center and find out if the simulator handled like the real thing, with the ability to go into a flat spin and recover. This led to the flat spin study.

"We are trying to expose our Centrifuge and its capabilities to the fleet so they will recommend and follow through with the building of two training centrifuges on each coast for all pilots to train early in their career.

The check that Eyth received meant more to him than the money. It represented the confidence and sincerity of the Center for the people who were getting the awards. "It separates you from the ordinary 'atta
Continued on page 7

Commander gets saluted

The Commander, Naval Base, Philadelphia, on behalf of the Philadelphia Area Naval Equal Employment Opportunity Council takes pleasure in awarding

**CAPTAIN
EDWARD J. STURM
UNITED STATES NAVY**

The PANEC Equal Employment Opportunity (EEO) Annual Honorary Award in the category of EEO Program Official for 1986, for superior accomplishment as set forth in the following

CITATION:

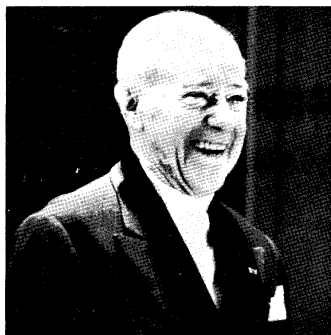
"Captain Edward J. Sturm, Commanding Officer and Equal Employment Opportunity Officer at the Naval Air Development Center, has demonstrated a personal commitment to long-term affirmative action initiatives, which are mission related and community enhancing. He has turned statistics, goals, and action items into management tools, and has given new meaning to the Affirmative Action Plan. Minorities in the workforce have increased from 8.6% to 9.1%, while females increased from 21.9% to 24.3%. Additionally minority and female scientists and engineers have increased by over 4%.

A number of programs have been established and strengthened to increase female and minority representation in the professional workforce pipeline. These include the Philadelphia Regional Introduction of Minorities in Engineering Program. Traditional programs such as Worker-Trainee and Upward Mobility, have also been accelerated.

Under his leadership, the EEO program at the Naval Air Development Center is more than a moral imperative, it is good business."

R. F. BUTTS
Rear Admiral, U.S. Navy

In memory of . . .



Ralph S. Barnaby

Ralph S. Barnaby died in his Philadelphia home on May 15th, 1986 at the age of 93. Barnaby was the first Commander of NADC from July 1943 through November 1946. He retired from the Navy in 1947 as a captain with thirty years service.

Barnaby graduated in 1915 from Columbia University with a degree in Mechanical Engineering. He was the nation's first licensed glider pilot and in the 1930's he founded the Navy's first glider school at Pensacola Naval Air Field in Florida.

During World War I, Barnaby served in Europe. In 1947 he joined the Franklin Institute where he headed its Aeronautical Engineering staff and directed their aircraft research and development work. Later, he was named Curator emeritus of the Institute's Hall of Aviation. During World War II he worked at the Naval Shipyard in aircraft design and procurement. In 1967, Barnaby won the First International Paper Airplane Competition sponsored by Science America Magazine. As well as other books on aviation, he wrote "How to Make and Fly Paper Airplanes," which was published in 1968.

His accomplishments stretched beyond aviation. His interest and talent in sculpture resulted in his bronze busts of naval leaders being housed at the Naval Academy, Annapolis, Md.

His personal friends and co-workers included such historical greats as Alexander Graham Bell, the Wright brothers, Amelia Earhart and Charles Lindbergh.

Barnaby literally made history during his near-century long life. He was buried with honors at Arlington Cemetery, Arlington, Virginia.

—and—

George Stinson Wertz, 19-year NADC employee died on May 24, 1986. Born on January 19th, 1928 and a Doylestown, Pa. resident, Wertz was a photographer in the Presentation and Information Division of the Technical Services Department.

"George was a diligent worker," said Ray Satterfield, long-time co-worker of Wertz. "He cared about what happened to us and in turn we cared about him," Satterfield added, "George was an effective and likeable person, but to us (in the TV Studio) he will be remembered as our friend."



George S. Wertz

Commander Salutes

Robert Finkelman (Code 05): For dedication and professional competence while teaching the Computer Applications and Security portion of the Intro to Navy Internal Review training program.

Edwin Scholl, Harry Deal, Maxwell Zelikoff (Code 00R): For dedication and professional competence while teaching the Internal Review Concepts and Standards and Non-Appropriated Funds portion, Internal Review Tools and Techniques, Payroll, and Imprest Fund Audits portion and Travel and Review on On-Board Contractors, respectively.

Marvin May (Code 40): For valuable contributions provided to the

TRIDENT Strategic Weapon Systems Program during the past ten years.

Thomas Reiter (Code 10): For outstanding performance during the recent sixty-day detail as Acting Deputy for the Small Business Office.

Janet Koch (Code 094): For excellent assistance to the Director of Small and Disadvantaged Business Utilization.

LCDR Earl Smith (Code 80): For outstanding support provided to the Naval Air Propulsion Center.

Otto Kessler (Code 30): For an outstanding briefing on the Mission Avionic Sensor Synergism Program presented at the Naval Air Systems Command Industry Workshop.

If the 'SOC' fits

by **Robert Janes**

One of the most fundamental elements of the Standards of Conduct (SOC) is the prohibition against gratuities. This rule forbids the acceptance by Navy personnel of any tangible or intangible benefit at less than fair market value from a defense contractor. Most people are aware of the prohibition as it applies to such things as meals, tickets to sporting events, etc., but violations of this rule can come up in many unusual ways.

A recent memo from the Commander of SPAWAR noted that there have been some incidents where Navy personnel on TDY to a contractor's plant accepted corporate rate hotel reservations from that contractor. When this occurs, the Navy employee often obtains the hotel room at less than its fair market value, which would violate the gratuities prohibition of the SOC. Accordingly, the memo directed that SPAWAR personnel may not request a contractor to arrange hotel reservations nor accept a contractor's offer to do so.


Another recent incident involved one of the exceptions to the prohibition against gratuities. That exception allows DoD employees to accept unsolicited advertising or promotional items from contractors where the items

are of "nominal intrinsic value." Because the actual value of such items is rarely determined, DoD employees have accepted high dollar items in the mistaken belief that the items fall within the exception. Not long ago, over 50 senior Air Force officials (including 20 Generals) accepted Titan Missile models from the Martin Marietta Corporation. Many of these officials accepted the models in the mistaken belief that they were allowable promotional items of nominal intrinsic value. In fact, the government was charged in excess of \$1500 apiece for these models because Martin Marietta charged the Air Force for the labor hours spent constructing them. When this was discovered, the models were returned, the Air Force officials involved received letters of caution, and Martin Marietta agreed to repay the Air Force for the costs of constructing the models.

As with the SOC in general, the best approach to follow where gratuities are concerned is one of caution. Gratuities may not be accepted unless they fit within one of the narrow exceptions listed in the SECNAV SOC Instruction. If there are any doubts at all about the propriety of accepting a gratuity, the gratuity should be declined.

Do You Know?

Only president to be sworn into office by a woman:
Lyndon Johnson



Reflector
MAY 1986

NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PA

Volume 31
Number 6
June 1986

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.

Views and opinions expressed in this publication are not necessarily those of the Department of Defense.

It is printed commercially with appropriated funds in accordance with the provision of NAVPUBINST 5600.42 August 1979.

The REFLECTOR is a subscriber to the American Forces Press Services.

All correspondence should be addressed to Editor, REFLECTOR, Code 091, Naval Air Development Center, Warminster, PA 18974-5000 (441-3067).

Commander, NADC	CAPT Edward J. Sturm
Technical Director	Robert S. Buffum
Public Affairs Officer	James S. Kingston
Editor	Regina Ann Gasuk
Assistant Editor	Mary Ann Brett
Military Journalist	JO2 Fred Dias

Human Resources Awareness Week

NADC pays special tribute to Veterans

by Regina Gasuk

As the saying goes — EEO is for everyone.

At NADC everyone gets recognition during one special week in June known as Human Resources Awareness Week (HRAW). This year HRAW was held during the week of June 23rd to June 27th and was dedicated to the Center's veterans. These men and women represent not only seven EEO categories but also the freedom people in the United States enjoy.

Accounting for a third of the workforce, the Center's nearly 800 veterans served their country from the 1940's through the 1980's all over the world in every branch of the Service.

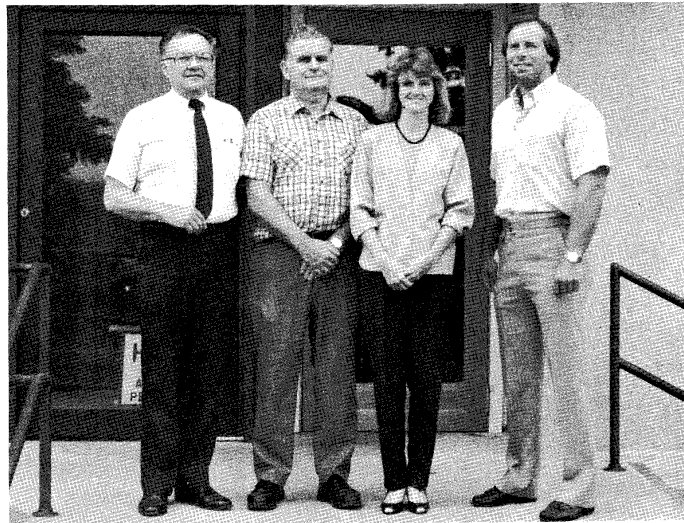
Four NADC veterans shared their stories with the *Reflector*.

Frank McHale of the Packing Shop, Supply Department was McHale's Navy when Ernest Borgnine was just a Chief Gunners Mate. That was 41 years ago for McHale who has served on 9 ships through 2 wars and has been around the world twice.

During World War II he served in the Armed Guards which were gun crews on merchant ships. "I consider myself fortunate I was never hurt," said McHale, "but I've seen a few unpleasant things." McHale retired from the Navy in 1962 as Chief Boatswain Mate, craftmaster for a landing craft utility and has worked at the Center every since. "I'm proud to be a veteran," said McHale, "when I talk to people in conversation it doesn't take me long to find out whether the person I'm talking to is a veteran also."

"They stand pretty high with me. I attend all the reunions of the ships I've been on. When I go to these reunions, the people from 35 or 40 years ago are a little older, balder, and grayer but never will you see such a proud bunch."

Harry Ubele is a project engineer in the TACAMO Project Office working on the E6A and EC-130 programs. Ubele enlisted in the Army in November 1952. In May of that year he was sent to Korea and fought on the



Standing at the Center's front door are (l to r): Harry Ubele, Korean veteran, Frank McHale, World War II and Korean veteran, Marguerite Hoefling, Vietnam veteran, and Ed Swiski, Vietnam veteran.

front line until the Armistice was signed. "You never forget about it," he said, "I even dream about it still." Ubele's life is dearer to him now. The three years he spent in the Army matured him; they were a turning point in his life. "Veteran's benefits and my peers made it possible for me to quit my job as a printer and embark on an education. I found the educational process was easier for me because I had grown up," he said.

When he meets another veteran on the street, Ubele feels a certain amount of camaraderie, especially if he served during the same time. "Only those people who have lived through it can talk about it with humor and feeling," he said.

"When you see a movie, the feeling is nothing like being there and having shells rain on you for example," said Ubele. "You can't feel the effects of the concussion of fire in the theatre. You know you can't be hurt. Only when you're terrified, horrified and absolutely frightened out of your wits can you experience that sort of thing. All the basic training does not

necessarily condition you to shoot at somebody, kill somebody or be shot at yourself," said Ubele.

As a child Ubele remembers the deep respect everyone had for the soldiers of WWII. "I felt at the time those guys deserved a lot of respect," said Ubele. "Then when I went in and served, I thought we did a good thing, too. I didn't want special recognition necessarily, just acknowledgement that it was an honorable thing to do whether you were drafted or enlisted."

Ed Swiski is a planner and estimator in the Maintenance Control division of Public Works. In 1969 he was a Navy Seabee, 3rd class working in a mobile construction battalion in Vietnam. Construction work on bridges, camps that were blown up, and roadwork occupied most of his battalion's time.

Describing the fighting in Vietnam is difficult Swiski said. It was guerrilla warfare and once it was night everyone was involved. "I think Vietnam veterans feel different than Korea or World War II vets . . . categorized maybe. It's not that we're not proud,

because we are, but, we do feel a little different. I think all veterans like to be recognized because they served their country," said Swiski.

Swiski was stationed at I-CORPS in the northern section of South Vietnam. He is proud to be a veteran and feels they form a brotherhood where no prejudice exists. "You have to have been there, and experience it to understand what a veteran thinks about another veteran," concluded Swiski.

Marguerite Hoefling has been at the Center 2½ years working in the Systems Analysis branch on anti-submarine warfare, evaluating operational tactics of the P-3, S-3 and sonobuoys. In 1973 she enlisted in the U.S. Marine Corps and was stationed at 29 PALMS, then Camp Pendleton in California. In both places she worked in basic communications repairing radios, microphones, amplifiers, or anything to do with base communications. Hoefling is considered a Vietnam Veteran even though she was not stationed outside the United States. The Vietnam refugees were evacuated to Camp Pendleton after the war. She was partially responsible for all the communications equipment there.

"I'm proud to have been a Vietnam Veteran, even though I didn't see any combat," said Hoefling. "I wasn't trained for combat either; at that time women marines didn't even carry rifles," she said. "We were strictly in supporting roles."

Serving her country allowed her to decide what she wanted to do with her life. "After I got out I used my VA benefits to go to Penn State," she said. Hoefling graduated in 1981 with two degrees in meteorology and biology.

"Personally I don't think that as a veteran I require any more recognition," said Hoefling. "Generally people just look on veterans as another group of people. They see the services as a good opportunity for young people today. They don't look at us as special," she said. "It was a career choice. We make a commitment; we take an oath and that's the deal!"

Military Recreation

Consolidated Mess (OPEN) Crews Rest

Points of interest for the members of softball and volleyball teams at NADC are the new selections of jumbo hotdogs, Texas bbq sandwiches, free bar snacks and other food items now on sale during all hours of operation. The Crews Rest welcomes all team members to socialize and discuss their team's thrill of victory or agony of defeat over some good food and cold refreshments.

The patio at the club has been refurbished and is available for private parties or just to sit down, relax and enjoy the view of the pool. A good summertime idea is to get your department, division or just a group of friends together, reserve the pool for a private party after 7:30 p.m. and let the club cater your food, beverage, and entertainment needs. The club offers food and beverage catering for all food

tastes and price limitations. Before you schedule your luncheon, retirement ceremony, etc. off station, call the Crews Rest X7651 and compare our prices, service, and convenient location.

Recreational Services

Hot, and tired of the humid weather, well why not schedule a pool party through Recreational Services. Private parties can be held after 7:30 p.m. at the outdoor pool located behind the Crews Rest. If you're interested in reserving the NADC outdoor swimming pool here's how you do it.

Complete an application for reservation at the Recreational Services Bldg. 99 (X2169) at least seven working days in advance of the requested reservation date.

Upon applying for reservation of the pool, you will be required to pay the reservation fee.

Upon payment of the reservation fee, present the receipt of payment to the lifeguard(s) on duty the night of your private party.

The fees are as follows:

0-49 people	
1930-2200 hours	\$43.00
1930-2300 hours	\$49.00
1930-2400 hours	\$55.00
50-74 people	
1930-2200 hours	\$71.00
1930-2300 hours	\$83.00
1930-2400 hours	\$95.00
75-125 people	
1930-2200 hours	\$99.00
1930-2300 hours	\$107.00
1930-2400 hours	\$125.00

The NADC swimming pool is available for *private party usage only*, to all NADC federal employees. So plan your next event at the outdoor swimming pool and don't forget to cater the eats and drinks through the Crews Rest.

Welfare & Recreation

W&R goes to New York on September 13th . . . Enjoy a ferry ride to the newly restored Statue of Liberty; a tour of NBC Studio; dinner at the Front Street Restaurant; then after dinner stroll along South Street Seaport savoring its unique shops and sounds. Bus leaves NADC at 7:30 a.m. and returns at 11:00 p.m. Cost: \$44 includes bus transportation, admissions, dinner, meal taxes and gratuities. Reservations will be taken only until July 31st. A deposit of \$20 p.p. required. Call M. Vigelis, X3067 for reservations.

Summer Faculty Program begins

by Hank Beyer

The NADC has been awarded two Postdoctoral Fellowships under the Office of Naval Technology (ONT) Postdoctoral Fellowship Program. Dr. Martin Squicciarini, who received his Doctorate in Physics from Drexel University, will be working with Dr. Lloyd Bobb of Code 30 on "Spontaneous Cooperative Emission Studies in Xenon." Dr. Richard Hammond with a Doctorate in Physics from the Rensselaer Polytechnic Institute, will have Dr. Warren Rosen and Mr. Eric Alfonsi of Code 50 as his colleagues. Dr. Hammond's research will consider "Theoretical Problems in Optical Networking and Computing."

Both of our visiting researchers were approved by a panel of experts assembled by the American Society for Engineering Education who manages the program for ONT. The Postdoctoral Program has been established to increase the involvement of highly trained scientists and engineers in disciplines to meet the evolving needs of naval technology. That the NADC has received approval for two positions is to the credit of both the researchers and their NADC colleagues.

We want to welcome our ten Summer Faculty members who will be spending ten weeks at the Center on various research projects.

In Code 40:

Ms. Stella Lawrence from the Bronx Community College working on integrated communication and navigation avionics survivability.

In Code 50:

Dr. John Beidler from the University of Scranton, software engineering.

Dr. Richard Perry from Villanova University, computer aided design.

In Code 60:

Dr. Witold Brostow from Drexel University, polymer-based composites.

Mr. August Krenkel from Polytechnic Institute of New York, aircraft conceptual design.

Dr. Moira LeMay from Montclair State College, human factors and flight simulation.

Dr. Harry Rogers from Drexel University, advanced metal processing.

Dr. Alexis Cenko from Hofstra University, aircraft design.

Dr. Ihab Kamel from Drexel University, conductive composites.

We hope they enjoy their stay at NADC.

You can't fly without Supply

by JO2 Fred Dias

"You can't fly without Supply," is a saying that holds true throughout Naval aviation.

Here at NADC, the Aviation Support Division (ASD) handles the supplying of parts and equipment for the Center's aircraft. Headed by Senior Chief Aviation Storekeeper Thomas H. Phillips, ASD employs three Navy personnel and two civilians.

"The Aviation Support Division is tasked with supporting the Center's aircraft plus the fleet functions for the S-3 and P-3 labs," Phillips said. He reported that soon he will be supporting a portion of the LAMPS, or HS-60 helicopter flight simulator for the anti-submarine warfare helos that often fly off frigates and cruisers.

The division's largest responsibility is to order and distribute parts as quickly as possible in order to keep the aircraft flying. This is done in two ways. One is to replace a part; the second is to repair it.

Close communications between the Aviation Support Division and Aviation Maintenance Control is a must. Without it, ordering parts for deployed aircraft, for example, could be a waste. When an NADC aircraft deploys, the host squadron or base operations is responsible for repairing that aircraft including the ordering of parts.

Because this is a small command, the ASD keeps what is known as a short count in stock. "These are only items for the aircraft supported," Phillips explained. However, this does not prevent ASD from performing its task. Liaison between NADC and other command's supply departments have been established through the Navy's Supply System.

"We have the option of getting the parts repaired through working agreements with Naval Air Station, Willow Grove; Patuxent River, Maryland; Jacksonville and Cecil

Field, Florida," Phillips explained. "We're working on the only repair facility on the East Coast, now being built at Mayport, Florida, for the HS-60 helicopter." Phillips continued, "This gives us our option, to find the fastest means of supporting this command, without having a full fledged Aircraft Intermediate Maintenance Department (AIMD), here."

"If there are ample quantities available in the system," Phillips continued, "we'll just send a requisition into the system and have one shipped here and we send the bad part out." NADC has received parts from as close as Philadelphia and as far away as Japan.

A computer system is one of the biggest reasons ASD can act so quickly in replacing or repairing a part. "We have people assigned here whose job it is to expedite material getting in," explained the Senior Chief.

Another segment of ASD is the Component Control Section. Their job is to take repairable material and either get it repaired for the aircraft or, if it's a stock asset, use the one available then repair the broken part and put it back into stock.

Senior Chief Phillips reviews annually the parts the Center stocks to see if they are needed in greater volume or are no longer needed.

The item stocked the most by ASD is aircraft tires. Various avionics radios and other avionics equipment follow close behind. Free issue items include nuts, bolts, washers, and wire. These are kept in Maintenance Control for easy access.

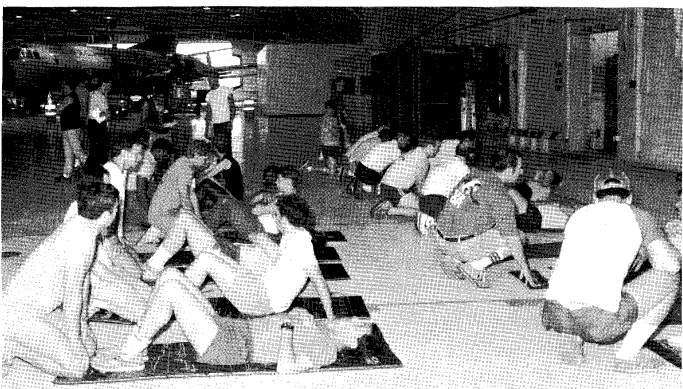
Because of the computer system throughout the Navy, ASD, which is linked to that system, can order and receive parts in one or two days, thereby reducing the Center's aircraft down time. "Our major goal is to see all systems in an up status," Phillips concluded.

Physical Readiness Testing

Military personnel shape up



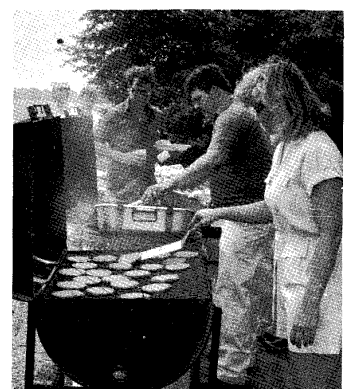
A required 1.5 mile walk/run quickly separates the crowd.



What's a workout without sit-ups once a year — once a year is obviously enough.



Percentage of body fat is quickly calculated by relating waist measurements to neck size.



After the pain (fun) was over, all hands celebrated at the annual 'recovery' picnic.

Oceanographer of the Navy sees navigational capabilities



Photo by Regina Gasuk

On June 3rd, Rear Admiral John Seesholtz from the Oceanographer of the Navy Office, Bay St. Louis, visited NADC. Accompanied by CDR Richard Blumberg, their visit concentrated on satellite navigation, systems integration and a tour of the Communication Technology Directorate facilities.

Shown above (l to r) John Handal (Code 40), RADM Seesholtz, CDR Blumberg and Steve Kochanski (Code 40).

Sunshine for children

by JO2 Fred Dias

Sailors have traditionally answered the call for help in a community, especially when that help includes children.

The First Class Association (FCA) here at the Naval Air Development Center is no exception. Members of the FCA helped the Sunshine Foundation on May 31st with their Spring Fair at the War Memorial Field in Doylestown.

The Sunshine Foundation is a non-profit organization that fulfills wishes and dreams of terminally ill children. The organization was founded by former Philadelphia policeman Bill Sample, who granted a wish to a young girl dying of leukemia. Sample paid for a trip to Disney World for the girl and her immediate family.

NADC's FCA contacted the Foundation two years ago to offer help in some of their fund-raising events. "Last year, we helped park cars, helped set up tables and took care of all the food at Clement Field in Chalfont," explained Bill Wiley, Aviation Electrician's Mate First Class. Wiley and his wife Ayesha joined the Sunshine Foundation last year.

Wiley and other members of the FCA have also sold flowers and raffle tickets at the Center to help raise money for

the Foundation.

The Foundation grants last wishes to children whose parents otherwise can't afford to pay for these wishes. They raise money to pay for these wishes through raffles, annual flea markets, and Spring and Fall fairs. Foundation volunteers, like Wiley and Aviation Machinist's Mate First Class Stan Meni, contact businesses for material donations for the flea markets and raffles.

Through these donations and fund raising events, the Sunshine Foundation has turned fantasy into reality for more than 4,000 children in its brief history. Besides Disney World, the Foundation has flown grandparents to the U.S. from Germany and, says Wiley, "There was one guy who couldn't speak or hear, so the Foundation bought him a special computer so he could communicate with his friends through his telephone." Because of its success, the Foundation has opened chapters in Georgia and Virginia. Wiley plans on opening a chapter in his native Maine when he retires from the Navy later this year.

If you are interested in helping the Foundation or the FCA with a donation or volunteer work, contact Wiley on extension 3802.



Photo by JO2 Fred Dias

Sunshine Foundation volunteers sell memorabilia to raise money during their Annual Spring Fair.

Small Business Week sponsors TBOC'86 at Bucks College

This year NADC participated in Small Business Week by co-sponsoring the Technology and Business Opportunity Conference (TBOC '86) with the Pennsylvania Technology Assistance Program (PENNTAP) and the Bucks County Community College.

The conference was held at the college on Thursday, May 22nd, 1986 and offered to over 200 members of the region's Small Business community a wide range of procurement opportunities, technical and business assistance, and technology transfer/innovation available from the Federal, State, and Local governments. Over 50 government agencies and prime

contractors provided person-to-person counseling. Exhibitors included NASA's Goddard Space Flight Center, the Naval Avionics Center, David Taylor Naval Ships R&D Center, Pennsylvania's Ben Franklin Partnership Program, and the Defense Logistics Agency. Seminars on current technical and business assistance programs for small business were held throughout the day and participants were given the opportunity to tour NADC in the afternoon.

The Center's participation in TBOC '86 was coordinated by the Small Business Office and the Technology Transfer Office.



Photo by Drew Smith

Center personnel Jules Lewyckyj and Craig Jencks discuss NADC's Small Business and Technology Transfer Opportunities with interested visitors, many of whom toured the Center later in the day.

USMC BGEN Milligan gets NADC troop safety briefs



Photo by Regina Gasuk

Brigadier General Robert F. Milligan, USMC Deputy for Development/Director, Development Center Marine Corps Development and Education Command Quantico, Virginia visited the Center June 9th. Interested in passenger/troop safety, he received briefings on ten related topics and toured four different areas of the Center. Shown above, the General sits in the pilot's seat of a simulated cockpit in the Crew Station Evaluation Facility.

Guzzler "Hockey Puck" Golf Open statistics

by Charlie Destra

The 1986 Guzzler "Hockey Puck" Golf Open was played under picture-perfect skies at Neshaminy Valley Golf Course on April 23rd and the tournament championship, a team prize this year, was garnered by the foursome of Rich Sames, Greg Kovach, Bob Parsons, and Pete Carroll.

The golfers, a new entry that never before participated in a Guzzler tournament, captured the most "skins" (21) to finish in first place over five other foursomes. Their nearest competitors were the foursome of Jim Eck, Lee Morris, Pat Finnegan and Neil Hesser (13 skins).

The Skins concept works like this: the team with the best score through holes 1 — 6 gets one skin per hole; holes 7 — 12 are worth 2 skins; and holes 13 — 18 equal 3 skins. So, a team that failed to win any of the first few holes could hypothetically win the contest by capturing the more "valuable" last few holes.

There was no such comeback with the winning foursome this time, however. The champions were hot from

the outset and never really challenged. Parsons and Carroll, in fact, tied for the best individual score (86) and teammate Sames shot an 87.

The "Closest to the Pin" event was played on the 13th hole, a steep, downhill sliding board-like terrain only 120 yards long. Walt Latosh, a former Guzzler Open Champion (1984), plopped his tee shot 10 feet from the cup to win the honors.

Latosh and the other golfers, however, were fooled by prankster John Bowes, who, as a member of the first team to tee off, placed a marker only three inches from the 13th hole's flagstick, indicating he had hit his tee shot there. (Bowes, of course, didn't even hit the green in reality.) At the end of the day's event, he finally revealed his little joke.

"That was my third shot — I thought we were supposed to mark our third shots," Bowes cracked.

The Guzzler Open took on the "hockey puck" theme this year in honor of former Guzzler pitcher Ron Lang, who died earlier this year after playing in a hockey game. Donations were



Photo by Craig Volker

Steve Bazow and Craig Elicker show off their holiday puck golf outfits.

taken, and proceeds benefitted the Barry Ashbee Memorial Fund in Lang's name. In an ironic twist, Lang was holder of the all-time low score ever (86) in a Guzzler golf tournament, tied by Carroll and Parsons in this event.

The fifth annual Guzzler Invitational will be held at an as yet undetermined date in late August. If interested, enter your foursome through tournament director, John Markow (extension 1026).

NADC's softball league standings

by Charlie Destra

The Granfalloon and Guzzlers, as expected, were perched at the top of the softball league's standings with 8-1 records, at press time. At roughly the season's halfway point, the two leaders had remarkably similar statistics: the 'Falloo were producing 13 runs per game against the Guzzlers' 12, and both teams were allowing their opposition to score only three runs. (In a potential playoff preview, the two powerhouses faced each other in their first game of the season with the 'Falloo prevailing in extra innings, 5-3.)

The Granfalloon was tabbed to be the cream of the crop in the league, what with their deadly pitching duo (Greg Heydet, Steve Torok) and All-Star laden hitting attack, but the Guzzlers' strong showing has been a mild surprise.

Despite the loss of a couple of key contributors (ace Ron Lang, slugger Dave Gleisner) going into the season, they have maintained their superior

play. The main reasons have been the acquisitions of power hitter Rich Sames (6 HRs, .682 ave.), whose hitting production thus far has led the team, and back-up hurler Dave Whitenack. Also, pitcher Jay Ward is having an effective season on the mound. The Guzzlers look ready to challenge for the crown.

8th Inning, Nightriders threaten leaders

The 8th Inning, at 7-2, is right behind the leaders. They have been pounding opposing pitchers and clubbing a lot of homers as usual, but have also been giving up more runs (8.11) than in the past. That statistic is somewhat misleading, however, since they surrendered a whopping 23 runs in one game early in the season to the Druids. In any case, their offensive firepower is such that their winning habits have not been affected. And we can look for this team to get tougher as the season progresses, as has been their trademark.

The Granfalloon, Guzzlers, and 8th

Inning were picked to be the league's elite at the start of the season. The big question was which of the seven (or so) second-echelon teams would challenge them.

The Nightriders, alone in fourth place at 5-3, were trying to provide the answer. The reason for their improvement has been an explosive hitting attack. They were scoring 11 runs per game (three more than last year) with four starters hitting above .500. Key off-season acquisitions have helped to shore up the defense, as well.

League's parity shows

The Pacer, Renegades (both at 4-3), and Bearcats (5-4) were next in line, three games behind the leaders. All three teams have been victims to the league's parity, having won some big games and lost some disappointing ones.

The Pacer's big weapon has been their pitching, which ranked right behind the Granfalloon's and Guzzler's hurlers' earned run averages at 4.43. The Renegades started out hot, but

pitching problems surfaced in their last few outings. The Bearcats have scored at an impressive 11.8 runs per game clip, but their 8.4 runs — against average has let them down.

Two teams that figured to be better at this point were the Druids and Devils, knotted at 4-4. The Druids have been giving up far too many runs (10.6, fifth worst in the league) for a team of their experience, and the Devils have not been getting consistent pitching.

The Rebels, inhabiting 10th place at 3-4, have stayed close in most of their games thanks primarily to an outstanding defense. But the Phantoms (2-5), who follow the Rebels, have a decent shot of creeping into that last playoff spot (10 of the 14 teams play in the post-season), mainly because of their hitting attack.

The Bushwackers (2-7), Rumlbers (1-8) and Agent Orange (0-9) are going to be left out this season. Despite their losing records, however, they have been involved in some close contests against tough opponents, and can look forward to next year.

Bowling league banquet honors high rollers



Photo by Cathy Burton

Mixed League Champions Magic Markers (1 to r): Standing: Andrea Sicher, Jeff Irvin, Lois Savage; Seated: Larry Sicher, Ed Beach, Diana Beach, Terry Weinman, Neil Weinman (Captain) (Missing from photo — Lee Bourgeault).

by Tom Rieter

Congratulations to the Magic Markers, this season's winner of our League Championship Rolloffs. Team members included Captain Neil Weinman and his wife Terry, Ed and Di Beach, Larry and Andrea Sicher, Jeff Irvin, Lee Bourgeault, and Lois Savage.

Some of the season's highlights included Ed Fields' 256 Male High game and Iris Hayslip's Female High score of 242. In the A Division, Al Knobloch's 177 Season Average was the League's best. Rick Yeager's 174,

second place finish, wasn't shabby. Mary Lentz, at 155, again won the Female High Average award while Lorraine Reidinger closed with a 153 season average. In the B Division, both High Average titles were decided by percentage points. Ernie Wykes at 171.1 edged out Kevin Ryan's 170.5 and Janet Geyer at 146.8 nudged Iris Hayslip's 146.6.

Our annual awards banquet was held on June 6th at the Warrington Country Club — you know a good time was had by all 220 party people.

Security Reminders

Supervisors are responsible for the continuous evaluation of their employees eligibility for access to classified information. Any information reflecting on an individual's

loyalty, reliability, judgement, or trustworthiness must be reported to the Security Officer (Code 044) as expeditiously as possible.

Ninth annual Technical Director awards held

Continued from page 1

boy," said Eyth. "This award really brought home to my family that the Center thinks I do valuable work not just a good job," he concluded.

Eyth holds a Bachelor of Science degree in Mechanical Engineering from Drexel University. In 1978 he received a Master of Engineering from Penn State University and in 1980 he attended the Naval Postgraduate School and received a Master of Science in Computer System Management.

Jim Crowley was very surprised when his name was announced. "My wife was called early in the week, so she made sure I had a suit jacket on that morning," he said. Crowley considered it quite a compliment to receive this recognition, however he was quick to pass it on to the people who work for him. "Basically I'm a reflection of the people who work under me. It is because of them getting their assignments done and making some of the detailed decisions they do that makes the whole project successful," said Crowley.

Crowley was commended for outstanding technical management of the Helicopter Integration System (HIS-2) and the VH-60 programs. He is responsible for the planning, assignment of responsibilities, control and funding. The success of Crowley's program has led to the Center being asked to take the lead for avionics

integration and electro-magnetic pulse hardening for the VH-60 program.

Crowley sees these awards as enticing and motivating especially to the younger people here. "They see opportunities and recognition; it's good feedback," he said.

Crowley holds a Bachelor's degree in Electrical Engineering from Manhattan College in Riverdale, N.Y. and has completed graduate study work at Villanova University.

Administrative Support Achievement

James Cuorato, a supervising contract negotiator and contracting officer in the Contracts Division was presented the Technical Support Achievement Award. Cuorato supervises a group of negotiators who are responsible for purchasing supplies, equipment, and services for various Departments on Center. Typically, this entails 200 contracts a year for approximately \$50 million.

Now at NADC for ten years, Cuorato spent 23 years at the Frankford Arsenal in virtually the same position.

Unaware of his nomination, Cuorato said he was shocked to hear his name announced and even more surprised at the amount of the award — \$5,000.

Cuorato attributes his success to a philosophy he adopted many years ago. "In many instances," he said, "service organizations and the people they support have an adversarial relationship. My philosophy has been to

explain our limitations but then to try to satisfy their needs in a mutually agreeable and legal manner. The people I support soon learn that if a purchase is at all possible within the system, I will find a way."

Among other accomplishments, Cuorato was attributed with developing the Center's Contracting Officer's Technical Representative (COTR) program, which is considered to be a model to be emulated by other contracting offices.

Cuorato has received several awards throughout his 44 years of federal service, but none the magnitude of this one.

"To me, this award is the ultimate in recognition," he said. "It was like receiving an Oscar."

Technical Support Achievement

Gwynn McConnell, a Physical Science Technician in the Structural Materials Branch was selected for the Technical Support Achievement Award.

McConnell's responsibilities in the area of non-destructive testing include developing inspection procedures for locating defects in aircraft structures and components. These defects could appear anywhere from tires to turbine blades, as cracks, corrosion, or graphite epoxy composite delamination.

"It was enough of an honor to be nominated," said McConnell. "I would not have felt like a loser if I hadn't won.

When I did win, though I was thrilled.

McConnell went on to explain, "I've had tremendous opportunities to do meaningful jobs at the Center and I enjoy what I do." He added, "This award was just icing on the cake."

With an Associate degree in Electronics from Temple University in 1962, McConnell worked at the Philadelphia Navy Yard from 1968 to 1970 when his group was transferred to NADC.

Captain Edward Sturm, Center Commander introduced the guest speaker, Dr. James Colvard, Management Advisor to the Director of the U.S. Office of Personnel Management and life-long friend of the Navy. Colvard who has held many important positions within the Department of the Navy as well as receiving numerous awards throughout his distinguished career, paid respects to this year's winners as people who have done real tangible things they should be proud of. He commented on the good mixture of civilian and military employees and sees these awards as a team effort measured against absolute standards.

"The Navy must own its ability to control its technological destiny. Your business at NADC is critical to the Navy and the Navy is critical to the country," said Dr. Colvard. "I commend each of you for your efforts. The efforts you have demonstrated in the past will not flag in the future."

VIEWPOINT

If your life at the Center was a weather report, what would your forecast be?

Prepared by Rosemary Dominic

Photos by Regina Gasuk



"Instead of responding in the traditional way, I've put together a stirring video extravaganza. It's a tender look at NADC as you dreamed it could be, featuring stunning pictures of my NADC life with my own personal description in words and song. A treasured remembrance or gift. 6:23 minutes. VHS and Beta."

Craig Volker (Code 5033)



"Tornado watch effective all week."
Betty Beans (Code 0315)

"I am forecasting 2 feet of fresh powder on a 60 inch packed base."
Jim Macaulay (Code 6042)

"Sunny, hot and humid all day."
JO2 Fred Dias (Code 091)



"Foggy in the morning and clearing around lunchtime."
Carol Gendur (Code 5040)



"The forecast for today and tomorrow is for stormy weather with dark and overcast skies, to be followed by hot and hazy days. The long term outlook calls for cooler weather with clear to partly sunny skies."
Ray Satterfield (Code 8131)



"Partly cloudy on Monday. Hurricane watch on Tuesday. Bright and sunny as the week progresses."
Fran Caffrey (Code 8301)



Promotions —

Daniel Aaron, William Arnold, Bridget Beatty, Dorothy Bleiler, William Borkowski, Rita Brownlee, Joseph Cameron, Daniel Carbo, Helen Catto, Alice Colyar, Mary Conyers, Steven DeLuca, Lynn Drelick, Keith Faller, Scott Finken, Gregory Folts, Steven Gabai, Thomas Gilligo, George Gluz, Phyllis Grant, Elizabeth Haney, Inger Hansen, David Herbine, Scott Holloway, Gregory Kovach, May Lee, Stephen Levitski, Jane Libbos, Roger Liu, Gino Lostracco, Tony Madison, Carol Majer, Elaine Mears, Christopher Miller, Thomas Murphy, Kristina New, Evan Nosel, Christopher Oprandi, Eric Patent, Sharon Robinson, Maureen Satchell, Michael Schultz, Lynne Sherr, Stephen Skilton, Lloyd Smith, Michelle Smith, Joseph Stamato, Janice Suessenguth, Michael Sutton, Karen Taylor, David Torr, Peter Ulrich, William Williams, Joseph Wolfe, Hong Wong, Peter Yost, Yuk Yung, Christopher Zech.

General grass grooming guards

by Mike Masington

As we noted in previous episodes, Og, our consistently clever caveman, had already invented gardening, barbecuing and home maintenance, but he realized that there must be something else that would bring complete fulfillment and real meaning to the lifestyle he was trying to create. Suddenly, the true essence of genuine suburban living struck him — lawn mowing! Up until now this chore had been performed by Boris his pet brontosaurus, which did provide the advantage of speed since the voracious vegetarian could devour the average 200 cubit lot in about 3 minutes. Unfortunately Boris, though a loveable creature, was not a mental giant, and had a little trouble distinguishing between tall grass and objects it perceived as similiar such as trees, household pets and the neighbor's front porch. The neighbor in this case was one Conan T. Barbarian who, rather than listen to lengthy explanations of the intricacies of homeowner's liability insurance, settled the matter quite effectively with an extremely large club. With his old lawnmower now converted into steak tartare for 400, Og realized that he now had the opportunity to complete the suburban dream.

After hours of tedious labor in his cave workshop, our intrepid inventor produced an object he dubbed a lawnmuncher. The muncher had a three squirrel power mower that rotated sharp, horizontal blades made of a revolutionary new material called steel that he had gotten from his friend Prometheus. Anxious to test his new invention, the all agog Og immediately started cutting his front yard.

Unfortunately, it had rained earlier that morning and soon his bare foot slipped on the wet grass and under the rear of the muncher. Blessed with some incredibly fast reactions, he managed to extricate his foot with only an industrial strength pedicure, while learning his first lesson about safe munching. After allowing the grass to dry a bit and putting on a pair of steel-toed safety sandals, he decided to try again. This time a thick clump of elephant grass clogged the blades, and stalled the squirrels. In a hurry to continue, the careless caveman reached his hand in to clear the blades, releasing the restraints on the running rodents and allowing the blades to again spin freely. Now with a manicure to match his previously applied pedicure, the nearly gnarled neanderthal learned his second lesson. The third came shortly thereafter as he

was attempting to mow a steep bank by pushing the cumbersome muncher up and down hill. On one uphill journey it finally got away from him, and he watched in horror as the spinning wheel fell towards him. The rotating blades battered his bearskin, and removed most of the fur from his hirsute body, thus simultaneously creating the cleaner closer shave and jumping him three evolutionary stages.

After recovering from his latest close encounter, our hero learned his final lesson when he failed to check the area he was munching and ran over some loose gravel. One of these stones was launched across the yard and struck the previously mentioned neighbor. Mr. Barbarian, still possessed of the same good humor as before, stomped over and gave Og and his lawnmuncher essentially the same treatment that he had previously applied to the brontosaurus. Needless to say as he was recovering in the hospital, Og decided that the world was not yet ready for the lawnmuncher, and it would have to wait for future generations to enjoy the sweating and straining that would become an honored tradition throughout suburbia on Saturday mornings.

Energy savers

Indoor Lighting

- **Turn off lights in any room not being used.**
- **Light-zone your home and save electricity.** Concentrate lighting in reading and working areas and where it's needed for safety (stairwells, for example). Reduce lighting in other areas, but avoid very sharp contrasts.
- **To reduce overall lighting in non-working spaces,** remove one bulb out of three in multiple light fixtures and replace it with a burned-out bulb for safety. Replace other bulbs throughout the house with bulbs of the next lower wattage.
- **Consider installing solid state dimmers or hi-low switches** when replacing light switches. They make it easy to reduce lighting intensity in a room and thus save energy.
- **Use one large bulb** instead of several small ones in areas where bright light is needed.
- **Use long-life incandescent lamps only in hard-to-reach places.** They are less energy efficient than ordinary bulbs.
- **Need new lamps?** Consider the advantages of those with three-way switches. They make it easy to keep lighting levels low when intense light is not necessary, and that saves electricity. Use the high switch only for reading or other activities that require brighter light.

NADC Officers' Wives Club holds annual luncheon



Photo by Drew Schmitt

NADC's Officers' Wives Club culminates the year's activities with their annual luncheon.

**JULY
4TH**



Over 400 give in blood drive



Photo by Regina Gasuk

Giving blood must not be so unpleasant if this donor can muster up a smile while Red Cross volunteers are attentive.

NADC RECIPE REVIEW

Shrimp Scampi with Rice

This month's recipe is provided by Chris DeMatteo (Code 503) who will receive a \$50 cash award from the Food Service Board. The recipe will also be served in the NADC cafeteria. Submit your recipes to the Cafeteria Manager. One winner will be selected each month.

This is a really simple dish to prepare. Get the baby shrimp and boil them. (If you get the shrimp preboiled, just run a little cold water on them.) Then warm or preheat your tomato sauce. Boil some rice and you have it made already! When I make this I use 1 pound of baby shrimp, 2 cups of cooked rice and 1 jar of marinara sauce.

LOOK FOR THIS RECIPE TO BE
SERVED IN THE NADC CAFETERIA

