The Reflector

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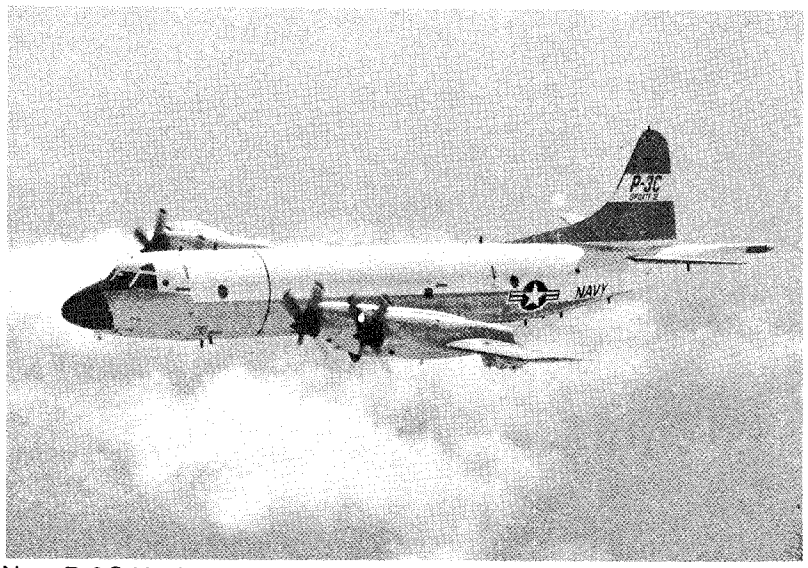
Latest P-3C Update III Aircraft Comes to NADC

The most computer dense aircraft in all three military services and NASA including the AWACS planes and the Space Shuttle has been delivered to the Naval Air Development Center. The delivery of this pilot production P-3C Update III aircraft to NADC is the culmination of a ten year involvement by the Center in the Update III program.

Back in 1974, NADC started the initial design work for the Update III aircraft. Both Franz Bohn, the project engineer, and LCDR Dave Seckinger, the project officer, described the Update III effort as a major product for the Center. NADC has been the prime integrator and developer for the systems in the new aircraft and the prime developer for the software that controls those systems. We will be the central point for the maintenance of the controlling software as the Update III is introduced to the fleet in May 1984.



New P-3C Update III Aircraft will be at NADC thru July 1984.

The Update III has incorporated several new systems that will expand the capabilities of the P-3 in its ASW mission. It carries an Advanced Signal Processor (ASP), a phased array antenna (ACPA), an Automatic Test Signal Generator (ATSG), a new digital magnetic tape system (DMTS) and an advanced sonobuoy communications link (ASCL).

This new aircraft BUNO 161410 will be at NADC thru 1 July of 1984. The Center will be doing full system level operability checks to make sure everything works the way we designed it to work. It is significant to note that to date the Center has met all major Update III milestones on time and within budget.

Employees Earn and Learn Under Unique Program

"It's the opportunity of a lifetime," said Nancy Tillman. "I strongly recommend it," stated Ben Niccolo. "It gave me the tools to work on various assignments," added Victor Caddick. John Coyle said, "I think it's great, a rare opportunity." "An outstanding program," said Larry Pearson. The program they're all talking about is NADC's Part-Time Undergraduate Study Award Program. This unique opportunity allows a full-time employee to work twenty hours at the Center and go to school for twenty hours to earn an engineering college degree in an engineering course of study that is critical to NADC's needs.

Program coordinator George Wynnycky said "The origins of the program lie in NADC's continued need to recruit certain kinds of professionals."

To augment recruiting efforts, management decided to create a program whereby current employees, who had shown a desire to obtain an engineering degree in one of the critical areas, could finish their academic course work more quickly. The program was set up to pay for selected employees' tuition, allow for up to 20 work hours a week off for school studies and continue to pay a full salary.

Some of the participants like John Coyle, have mixed their class schedule so they go to some of their courses at night and some during the day. Ben Niccolo, a recent graduate from the part time undergraduate program, did his homework and studying during the day and took all his classes at night.

One of the most mentioned advantages of the program was that the time needed to obtain a degree is cut considerably. You are required to take a full-time student course load and are allowed up to 20 hours off a week to do so. Victor Caddick stated that he was taking courses through the tuition reimbursement program before starting the undergraduate program. He said it would have taken him almost ten years to get his degree taking one or two courses a semester. The undergraduate program, "really accelerated the accumulation of credits and condensed the time required," Caddick stated.

Niccolo added that the program allowed for greater flexibility in his course selection and scheduling.

Before employees get involved in the Part-Time Undergraduate Study Award Program, they must do a considerable amount of preparation. Wynnecky said that there are at least three areas that should be looked at. "First they should get their personal life in order" he said. "Realize that this program will take up almost all of your time, and that's on top of working 20 hours a week."

"A second important thing," Wynnecky added, "is the choice of school. Does the school grant the kind of degree you want and does that degree fall under the Center program definition of a critical skill? Will that school give you the most credit for your past academic work and possibly credit for your work experience?" Wynnecky also said that, "Location plays an important part. If your ideal school is too far away then plans may not work." The final area to be aware of is the application period. The program instruction is issued in December with applications due in June. Actual course work begins in the academic year starting in September.

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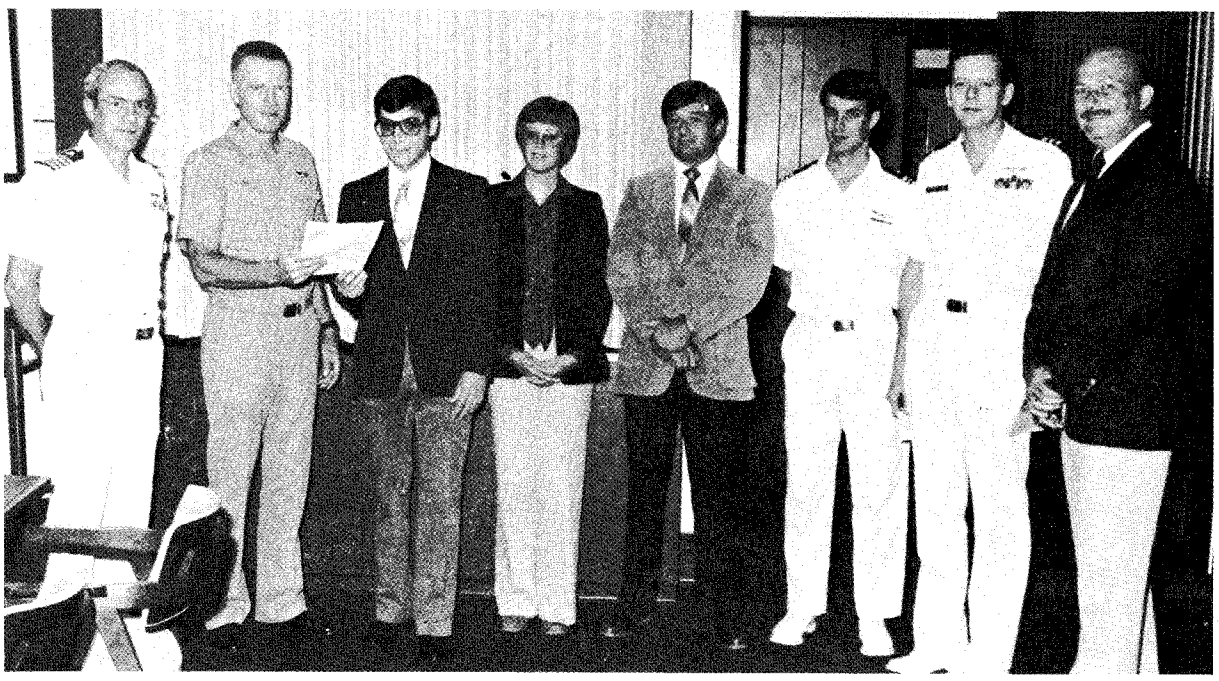

Captain Anderson, second from left, receives the funding document that put NADC over the $300 million mark. Handing it to him is Mike Vardaro. Looking on are: lt. to rt. Capt. Richard Fidlar, Kathy Felts, Paul Terpeluk, LCDR Bowling, LCDR Art Collier and Tom Brennan.

Center Funding Tops $300 Million Mark

On 10 August 1983, a historical event took place at the Naval Air Development Center. For the first time ever, during any fiscal year, new funds received in support of mission workload reached $300 million. With a month and a half remaining in the fiscal year, an additional $10 to $15 million should be received, resulting in an increase of 12% to 14% in total funds received over the previous high of $277 million received in fiscal year 1982. The document received that broke the $300 million barrier was for an additional $300,000 for the VP program. The total of new obligational authority received for this program, fiscal year to date, now exceeds $31 million.

Fraud Does Not Compute

If you read the paper or watch television then you probably have heard about computer fraud and penetration of computer systems. You also know that the authorities take a pretty dim view of such activity. The same is true here, at NADC. A number of cases have recently come to the Command's attention that involve fraud, waste and mismanagement of NADC's computer resources. The Center's computer resources include the Central Computer and any government computer equipment including stand alone systems. Abuse is defined as any unauthorized use, meaning running equipment for non-government purposes.

Of the several cases already processed; one person left their job as a result of unauthorized activities. Another case involved doing homework on the Central Computer System. And another investigation uncovered a person using government computer resources to run a private business. One final case found a person browsing through other people's files.

When computer time was misused payment was required to be made to the government. There exists a very efficient series of checks and balances to safeguard NADC's Computers, so beware and use the equipment properly.

Summer Aide Honored

Shirleen Cook accepts congratulations from Ed Yannuzzi.

Each year NADC employs a group of high school students under its Summer Aides Program. This year there was one really shining star. Her name is Shirleen Cook and for the past summer she worked for the Reconnaissance and Surveillance Branch in SATD. A senior from Harry S. Truman High School in Levittown, Cook was presented with a Special Achievement award during the recent summer aide recognition day.

Cook was honored for her outstanding performance while serving as a clerk typist in SATD. She handled the production of correspondence, time card records, travel orders and visit clearances. While doing her regular duties, Cook also volunteered to fill in for vacationing full time clerical personnel.

Cook's supervisors called her thorough, dependable and responsible.

SATD Director, Edward Yannuzzi, presented Cook with a check for one hundred dollars and a citation documenting her contributions to NADC. As an organization that employs about 17% of all the summer aides SATD can be proud of Cook's accomplishment. The Summer Aide Program not only contributes to the productivity of NADC but it enables young people to have the opportunity to learn about the federal government and earn money doing it.

Captain James Sheehan wields the shovel for the Crash House ground breaking. From lt. to rt. LCDR Sjodin, Lcdr Bert Streicher, Mr. Robert Buffum, and officials from E.P. Guidi, Inc.

Crash House to be Built Here

Ground was broken on 18 August for a new Fire and Rescue Station. The station will be located off of the closed runway near the EM Club. This 1.2 million dollar project is part of a larger five year plan that includes the building of a new hangar and control tower complex in the area of the Fire and Rescue Station. Donald Menz, of the Navy Construction Office, explained that actual construction will begin during the first week of September. August 1984 is the target for the Station's completion.

The Fire and Rescue Station will be one of the most modern buildings at NADC. It is designed to take advantage of solar heating for its hot water system. Mounted on the roof will be a series of solar panels that will supply hot water for such things as laundry and cleaning. A signal tower design is incorporated into the building so vehicles on the airfield can get visual and radio instructions.

This new complex was designed by Wallace and Watson Associates of Bethlehem. The contractor for the construction is E.P. Guidi Incorporated of Ambler.

NADC has made this new building part of its five year plan for building replacement and renovation.

Personnel Implements New File System

With the advent of computers every file system will be put on some type of system. One such system is the new Navy Civilian Personnel Data System (NCPDS). This informational management system, which is slated for introduction at NADC during FY-84, has been modified from an existing Air Force program. The Northeast Region of the country is the first region to implement NCPDS and NADC will be one of the first activities to run the system. Terminals will be located in Civilian Personnel and tied into the main computers located in Oak Ridge, TN. Once NCPDS is operating it will be the only authorized civilian personnel data system for the Department of the Navy and the only official source of automated information about Navy civilian employees.

NCPDS will provide Navy and Marine Managers at *all levels* with an Automated Civilian Personnel System which is complete, timely, accurate, coordinated, and comprehensive. It will provide automated support to approximately 140 civilian and EEO offices and to higher levels of command. The following DON personnel functions will be partially or fully supported by NCPDS: Attendance and Leave, Budget Support, Employee Relations, Employment, EEO, Incentive Awards, Insurance and Retirement, Labor Relations, and Manpower Support.

Also Merit Pay, Mobilization Readiness, Performance Appraisal, Position Classification, Position Management, Personnel Management Evaluation, Security, Senior Executive Service, and Training and Career Development will be on the system.

The Center is scheduled for conversion to NCPDS in July 84. The NCPDS project office, OP-14, has established Implementation and Conversion Teams which consist of ADP and Personnel Specialists. The conversion team will visit NADC three times, the first in September 1983. The first visit will be primarily for the purpose of checking and evaluating our site and to provide data collection guidance. The Civilian Personnel Office at NAVAIRDEVCEN will also establish a Transition Team responsible for the implementation and conversion process. They will review Official Personnel Folders and collect and code both position and employee data. It is estimated that it will take approximately two to three hours to complete data collection and coding for each employee.

Within the next few months, each employee will receive a questionnaire which they will be asked to complete in order to assist the Civilian Personnel staff in accurately coding all personnel data. Each authorized position will have pertinent information coded into one file and each Center employee will have data coded into a separate file. It is most important to remember that the value of the NCPDS Data Base will only be as good as the value of the data captured and that meticulous efforts must be expended in order to assure that this data is accurate and complete.

The data collection process will be time-consuming and will impose substantial additional workload on the Personnel Office. Regular personnel and EEO office business will be temporarily disrupted during the conversion process. New equipment will be installed and new procedures established. Employees in the Civilian Personnel Office and EEO Office will be receiving special training on the system. Line managers will also be receiving briefings on the capabilities of NCPDS and the retrieval of information through use of terminals. The Civilian Personnel Office will do its best to implement NCPDS with as little impact on day-to-day operations as possible but it will take the cooperation and support of everyone on Center to make this transition period a smooth one.

After the initial implementation and conversion stages are completed, the last task to be accomplished will be the building of a history file on each employee. After this has been accomplished and the files created, employee resume's will be printed and distributed to each employee for verification of all data. This will be the final clean-up in the data capture process. Although it is recognized that implementing NCPDS represents many man-hours of tedious efforts, the end product will be an accurate and cost-effective automated data processing system.

NCPDS is happening—NCPDS works—and although NCPDS implementation will cause disruptions and inconveniences, with good planning and cooperation from everyone this will be minimal. The payoff will be an up to date information system that will make everyone more productive.

Letter to the Editor:

Few days have passed since my formal retirement and some weeks after my departure from NADC, which gave me time to reflect on the honor and overwhelming expression of friendship by my friends and colleagues, bestowed on my family and myself. Ten years is a significant period of time in which I had the privilege to form deeply appreciated working relations with highly respected associates. These friendships matter most to me and it is with a degree of sadness that I depart.

My family joins me in thanking all of you who have made the effort to honor us with your presence and for the charming remembrances we received.

As I start on a new career, or perhaps return to a chapter I have left before, I am sure my association with you will be cherished ever and once again I like to thank you for it.

Yours,

Rudi Stampfl

Earn & Learn

(continued from page 1)

The one thing that came out when talking to all the current participants in the program is that it's not easy. Juggling your home life, work and school work can create pressure. The courses are not easy and they require large amounts of study but everybody agreed that the rewards far outweigh the negative aspects. The chance to go to school for free, and get paid on a full time basis is indeed the opportunity of a lifetime.

The Reflector

Naval Air Development Center

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NADC Adopts a School to Motivate Students

The Center has begun participating in a program designed to introduce and motivate secondary school students to careers in the engineering sciences.

Called PRIME (Philadelphia Regional Introduction for Minorities to Engineering), the program is a partnership between local industry and educational institutions. Resources of industry and governmental agencies are used to help motivate and prepare minority students for careers in engineering and other technically-oriented professions.

Business and governmental agencies provide the students with the opportunity to participate in tours, presentations, career counseling and other special programs in the business' or agency's particular field of expertise.

Each firm or agency "adopts" a particular school; NADC has adopted the Leeds Middle School in Philadelphia. The Center has also agreed to an active involvement—providing tours, presentations and the like—with Girls High School, Central High School and the High School for Engineering and Sciences.

As part of its participation with Leeds Middle School, the Center will be providing students with tours of Center facilities and laboratories; presentations on engineering concepts; and career guidance. On-Center visits would include presentations on the Dynamic Flight Simulator, life support equipment, the central computer system, lasers and other similar technical facilities.

The decision to participate in the program was a part of the Center's overall community effort, and its affirmative action program according to Barbara Ward (CPD) the Center's point-of-contact for the program.

Students participating in the program might also have the opportunity to participate in the Center's Research Apprentice Program, where high school students are hired in lower level technical positions.

In addition to the tours and presentation programs it sponsors during the academic school year, such as the one NADC is participating in, the PRIME program also sponsors summer courses at local universities for selected students.

PRIME seeks to reach students at an early grade level and motivate them to pursue careers in technical fields, using the resources of local industry and academic institutions to do so. Those participating in the program include students from the elementary level to the college level.

Pay Change

Some 1.4 million federal workers, including more than 320,000 Navy civilian employees, will have a slight reduction in pay starting 2 October due to changes in hourly pay rates required by a section of a 1982 federal law (Omnibus Reconciliation Act of 1982, PL 97-253).

The government expects to save more than $271 million in each of FYs 84 and 85, the years the changes are effective, according to the GAO.

Civilian pay is decreasing because the Act, signed into law last September, requires that hourly pay rates be determined by dividing gross annual salary by 2,087 work hours per year instead of the 2,080 hours used since 1945. The difference amounts to 0.33 percent.

According to a GAO report, the old rate allowed people to be paid for one or two days a year they didn't work. The number of workless paydays varied from year to year during a 28-year cycle. This gave workers an extra paycheck in the 11th year.

General schedule, merit pay, senior executive service, levels III-IV-V executive service employees, and those paid under the Navy faculty schedule are affected by this change.

Thousands Saved

Bills, we all have them, and we worry about paying them on time, but can you imagine how many bills NADC must pay in just one month? Joseph Dugan, of the Cost Accounting Branch, estimates that there are over 1500 bills to be paid in an average month. Since fiscal year 1983 began the Center has paid over $53.7 million on 14,884 invoices. The way in which government and the private sector work together involves discounts for prompt payment and penalties for lateness. That means getting the actions processed quickly and accurately to take advantage of the discount policy.

An indication of how good a job the Center is doing was recently reported to the Navy Comptroller. According to the report the Center paid its bills so promptly that it has received 90% of all the discounts that were offered for quick payment. These discounts amounted to $123,326.25. That's money saved for the federal government thanks to the efficient work of all the employees in the Center's Cost Accounting Branch.

Science Fair Winner is Impressed

by Regina Benns

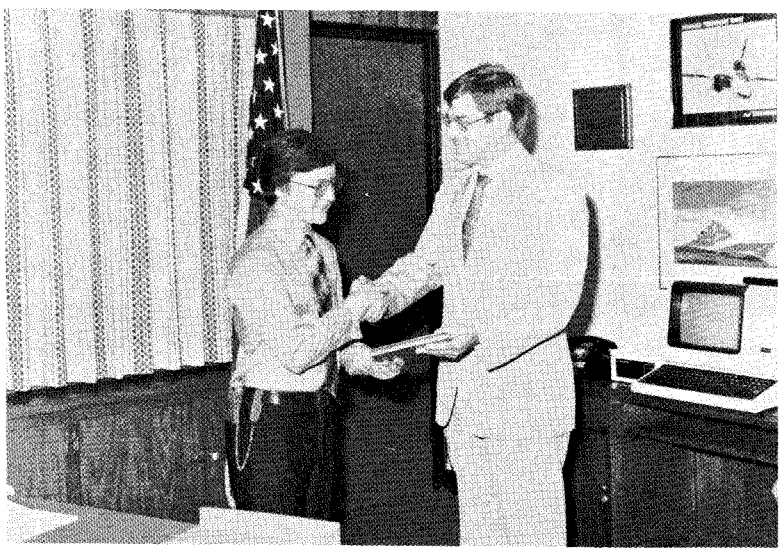
Recently NADC had the 34th International Science and Engineering Fair winner on board to see first-hand the workings of a naval laboratory. David DeVore from Houston, Texas spent the week of August 15 through 19 here as part of his award which is sponsored through the Naval Air Systems Command. David was also afforded the opportunity by his winning the Science Fair to participate in the 25th London International Youth Science Fortnight. The Office of Naval Research administers this program and finds it to be a means to encourage the nation's youth to develop their interest in science and to pursue scientific and technical careers.

DeVore's project investigated "The Effects of Different Stimuli on the Platy" (tropical fish). This project is just a part of a larger project of which he is the biological manager. DeVore and his fellow students at Clear Creek High School will be sending tropical fish into space aboard the 12th space shuttle flight. It will be a study of the behavior and orientation effects of space flight on fish.

While at NADC DeVore was able to spend time in each of the Center's directorates. He had an opportunity to speak with some new employees just out of college concerning the beginning of their careers here at NADC.

DeVore thought that work at NADC would consist mainly of applications research, however, he was surprised by the amount of independent in-depth research that will not only benefit the Navy but other industries as well. He was also taken with the diversity of the programs here at the Center.

Of his visit to NADC DeVore said, "I loved it; it was great."



David Devore receives a plaque from TD, Robert Buffum.

He further commented, "I was especially interested in Dr. Lloyd Bobb's experiments with lasers because they are in my field of study."

Mr. Robert Buffum, Technical Director, and his family played host to DeVore while he was at NADC. In addition to seeing the Center, he viewed our surrounding community and had a visit to all of the historic sights of downtown Philadelphia.

They Handle Millions

Really big business is one way to describe NADC. Another way is to say that we topped the $300 million mark for money received. When we talk about large sums of money like $300 million you wonder who sees it all. The answer is Mike Vardaro; he's in charge of receiving the funding documents from NADC's various sponsors. As a budget analyst in 02, he coordinates with the people in Planning, Assessment and Resources, the amount of money received and how that money is to be spent.

Using the Management Information System and inputs from the budget people assigned to each directorate track the Center's funding. Also, constant verification of funds that the Center receives is done with the Accounting Branch so the books can always be kept in balance.

Vardaro also keeps in touch with the sponsors in Washington. He checks to see if the funding documents have been sent to the Center or he reminds sponsors that money is due to be transferred to the Center on a certain date.

The paper work in a job like this, as one could imagine, is quite voluminous. Working with Vardaro is clerk typist Connie Cosgrove. She handles the filing, typing and organization on a part-time basis.

Through the coming years NADC's business base will continue to grow but the $300 million milestone is one of which the Center can be proud.

New Promotions

Janice Hammond
Martha E. Snyderwine
John F. Andujar
Thomas J. Kreppel
Peter T. Shaw
James E. Marshall
Edward M. Whalon
Mark J. Sewell
Philip H. Sorens
Daniel Ng
Busey S. Cottier
Kevin J. Platz
Stanley J. Zugay, Jr.
Peter Boretsky
Ying Leung Nip
Paul E. Manecke
David W. Roberts
John E. Harrison
Albert L. Cavalieri
Phillip E. Whitley
Robert M. Seltzer
Brian J. Brady
Eileen Craig
Susanna Dougherty
Carol Smiley

CFC Kickoff

The 1984 NADC Combined Federal Campaign will kick off on 11 October and end on 15 November 1983.

Reminder

Secretary of Defense Weinberger has proclaimed the week of October 24-30 as Department of Defense Energy Awareness Week and has called on all hands worldwide to observe it.

THE WHITE HOUSE
WASHINGTON

August 8, 1983

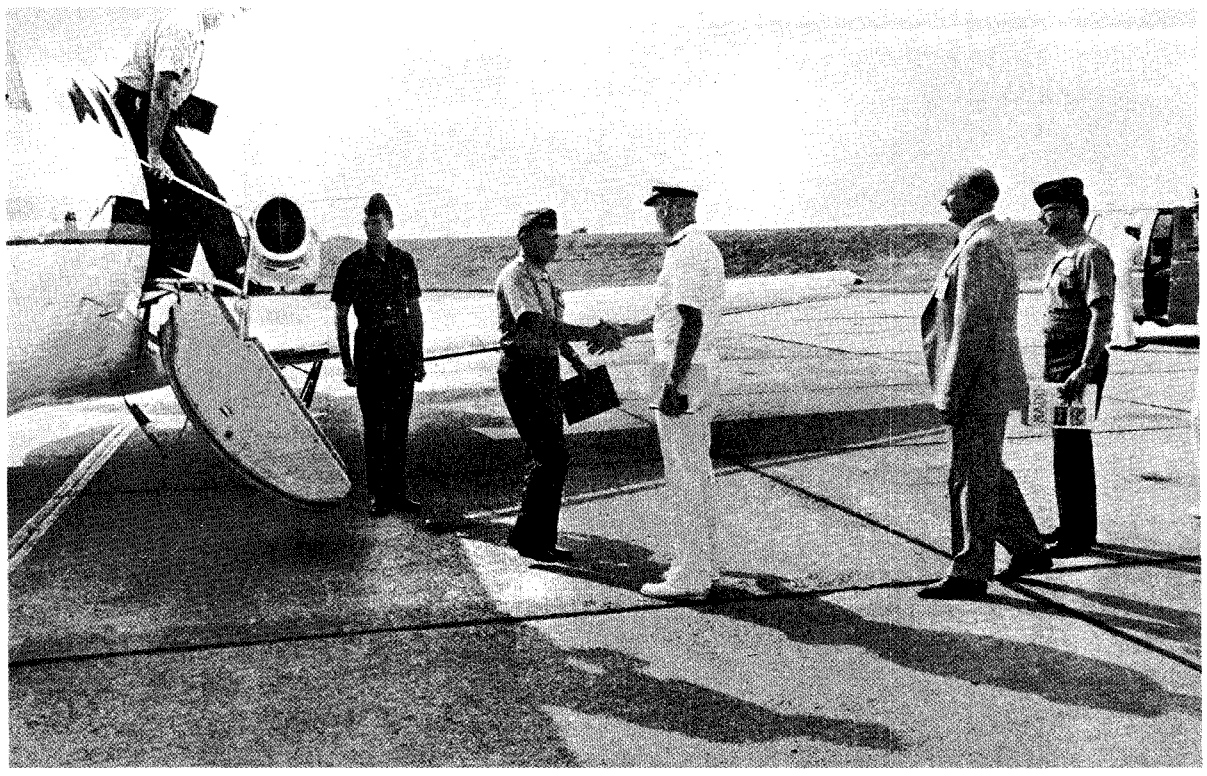
MEMORANDUM FOR ALL FEDERAL EMPLOYEES AND MILITARY PERSONNEL

Each year we have an opportunity to show our concern for those in need through participation in the Combined Federal Campaign. The Campaign combines the annual fund-raising efforts of a number of charitable organizations working in the fields of health and social welfare both in the United States and abroad.

Through voluntary giving, we can provide services and programs for our neighbors and countrymen without making them dependent on government. We can help relieve pain and health problems now and support research to help eliminate them in the future. The Campaign also makes it possible to help the less fortunate in other countries, extending a helping hand to friends around the world.

Federal employees and members of the Armed Services have a proud record of generosity and concern for others. I am confident that record will continue this year. While the amount you give is a personal, voluntary decision, I hope that each of you will join me in supporting the Fall 1983 Combined Federal Campaign.

Ronald Reagan



Major General LeBlanc is greeted by Capt. Anderson during his briefings at NADC.

Navy Relief Offers Aid for Car Repairs

Today the majority of Naval servicemembers find it necessary to purchase motor vehicles because public transportation is not conveniently available at most bases. In recognition of this fact, several years ago the Navy Relief Society expanded its financial assistance policy to include assistance to help cover the expense of unexpected motor vehicle repairs.

Under the car repair program, Navy Relief can assist with repairs essential to the safe operation of a vehicle when associated expenses would cause financial hardship. However, car repair assistance can be provided for only one vehicle per servicemember, and the owner is expected to be able to afford the expenses associated with routine maintenance, car payments, insurance and licensing.

The Society will not lend money to finance vehicle purchases or to help cover the costs of registration fees, insurance and monthly car payments. Neither will it lend money to pay for regular upkeep, such as oil changes, replacement of worn tires, other scheduled maintenance services or body work. Keeping a motor vehicle in safe operating condition is a responsibility of vehicle ownership.

Under certain conditions Navy Relief in Philadelphia can, as an exception to the above policy, assist with the amount of the increase in auto insurance incurred by a recent transfer to the Philadelphia area.

Interest free loans are available to help when your financial situation would prevent essential repairs from being accomplished promptly while in a traveling status, or within a reasonable time when the car is located at your home station. Navy Relief expects you to provide a written estimate of necessary repairs. It further expects that the cost of repairs not be excessive, and that the servicemember be able to repay the Society within a reasonable period of time.

If you apply for assistance to pay for motor vehicle repairs, you must have in your possession at the time of the interview:

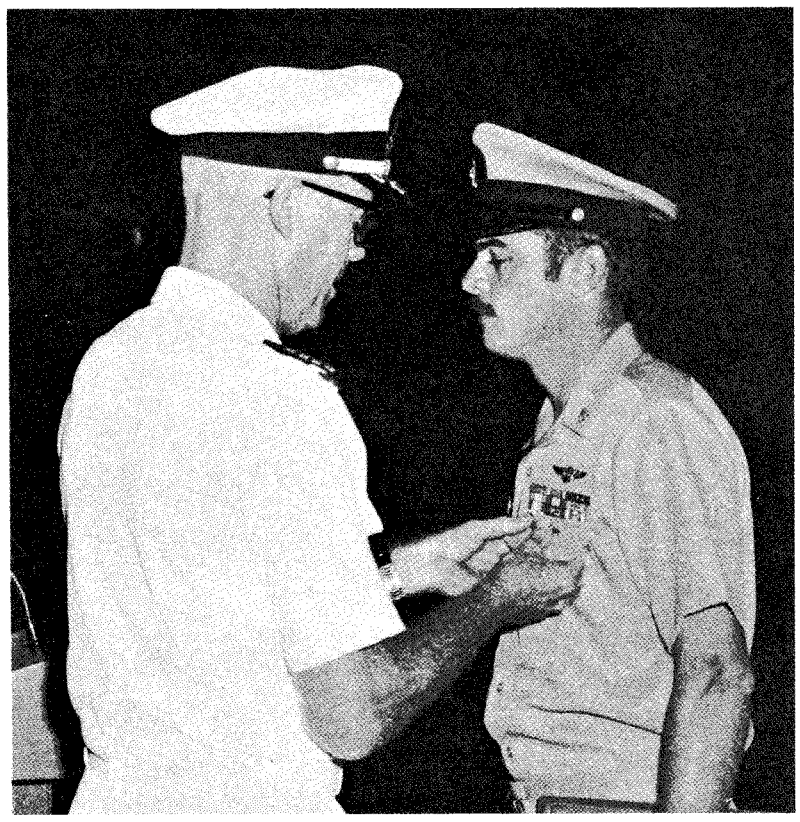
- Proof of ownership in your name
- Insurance in your name for the vehicle that is to be repaired and that meets the requirements of your home base for issuance of a base sticker
- A written estimate of costs of repairs required from the repair facility.

To apply for motor vehicle repair assistance, call the Pennsylvania Auxiliary at 755-3028 or 468-2448 to arrange an appointment. Personnel stationed at NAS, Willow Grove, or NADC, Warminster, should call the Willow Grove Branch office at 443-6024. Should your vehicle break down while you are traveling and not near a Navy or Marine Corps facility, Navy Relief assistance may still be available to you. You should contact the nearest American Red Cross office or an Army Emergency Relief or Air Force Aid office if more convenient.

As will all financial assistance provided by Navy Relief, the car repair program is designed to help Naval and Marine Corps personnel in time of need when faced with unexpected expenses that would cause financial hardship.

RADM Kollemorgen discusses his recent NADC visit while LCDR L. Butler looks on.

Amadio Receives Conduct Medal



They say good things come in threes and for ADC James T. Amadio that's exactly what happened. On 24 August, he received his fourth Good Conduct Award, was designated an Aviation Warfare Specialist and was permanently appointed to the rank of Aviation Ordnanceman Chief. Oh, yes, one other thing just to top off the list. Three days later he reenlisted for three more years!

Super Safety Saves School Students

by Mike Musington

Leon Leadfoot, former senior boiler inspector for the Philadelphia Naval Shipyard, and charter member of the 55-Is-a-Bunch-of-Jive Association, was late again for his new job as a waste protein reclamation specialist.

Undaunted by the fact that he had to travel 37 miles in 12 minutes, Leon stomped on the accelerator of his '81 Kamikazee and grinned grimly as the 497 engine roared down the road. Barely seeing its flashing red lights, he blurred past a stopped school bus and made a sharp, two-wheel turn onto Maple, narrowly missing two first graders trying haltingly to cross the street. He then came upon a sweet, little old, gray-haired lady acting as a school crossing guard. Leadfoot noticed she just barely had time to get the children and herself onto the sidewalk as he soared past. He also noticed that the sweet old grandmother had an outstanding knowledge of obscene hand gestures, and was screaming some words at him that he hadn't heard since he left the Marine Corps.

Suddenly, the insensitive speeder sighted a sinister spectre shadowing his semi-supersonic sedan. The flying form turned out to be that paragon of pedestrian protection, Super Safety, who had been watching the progress of the careening convertible and decided that enough was enough. Forcing Leadfoot off the road, the vexed vigilante of vehicular violators removed the driver side door, and snatched the offending operator out by the lapels of his polyester leisure suit.

"What's the meaning of this?" mumbled the malefic miscreant. "Let me explain friend," hissed the hooded hazard hater. "In the past ten minutes you have managed to show a complete disregard for the safety of others. If you leave late for work or an appointment, just accept the fact that you will arrive late. Don't try to make up time by recklessly speeding. In addition, Pennsylvania law strictly forbids passing a school bus that is stopped with its red lights flashing, unless it is discharging passengers *at a school.* Remember, kids in many cases may thoughtlessly dash into the street without looking. It is your responsibility as a driver to watch out for them. This is particularly true for new school children who may be crossing busy streets alone for the first time. They are often unsure of themselves, and may not really know what to do. Finally, although a school crossing guard does not have the authority of a police officer for traffic control, he or she does have the responsibility for the children in their care. Watch for them, obey their directions, and always slow down in a school zone."

The rather smug expression on Leon's face told the scion of safety that he was not getting through.

"And remember," added Super, "if you don't follow these rules, not only will you get a ticket, but you probably won't survive the operation either."

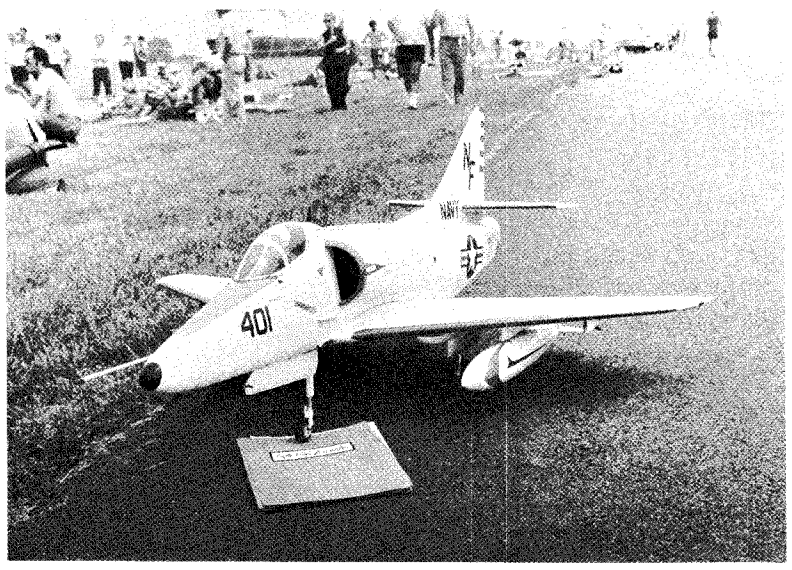
"What operation?" stuttered the stunned speeder.

"The one they'll have to perform to remove the bumper I'll shove up your nose if I catch you again," said Safety with a malevolent smile.

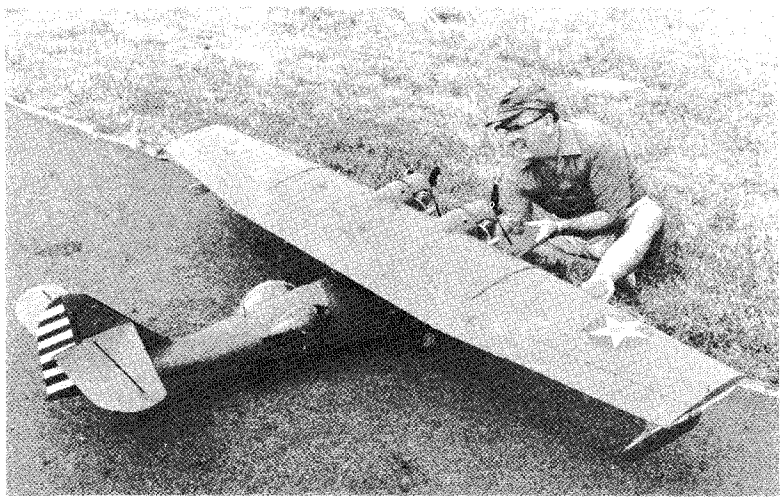
The horrified driver gasped a quick "Yes sir," jumped into his doorless car and drove very, *very* carefully on his way.

Modelists Buzz as Crowd Applauds

Several hundred contestants and thousands of spectators visited NADC for the 35th Annual Eastern States Championship Model Aircraft Meet. From children to senior citizens all were here to watch the planes fly and take part in the competition. Modelers from all over the east coast brought their planes to the skies over Warminster. The quiet floating of gliders and the snarling sound of racing planes cutting the air showed the contrast of a hobby that brings together people from all ages, occupations and backgrounds.



A-4 Radio controlled model that thrilled the crowd.



Winner of the Best Navy Scale Competition.

The crowds applauded as beautiful radio controlled scale aircraft flew by. A replica of a Navy PBY seaplane took the best Navy scale award. Almost every detail, down to the machine guns in the waist gunner position, was there. Another plane that drew a big reaction from the crowd was an A-4 Skyhawk. This model was powered by a ducted fan motor enclosed in the fuselage. The eight pound plane flew exactly like the real thing, doing loops and rolls and even dropping its wing tanks just like the big ones do.

Phone System to Streamline Center Communications

You say your fingers are tired of dialing frequently used numbers. You say you're aggravated when you get a busy signal several times while trying to get the same number. You say you would like call forwarding. Well NADC is getting a phone system that will solve all the above problems and more. It's called Dimension PBX and it should be in place by early November. According to Robert Angiolillo of the Center's Telecommunication Division, the new system will revolutionize the way Center personnel use their phones.

Instead of having phones with many extensions each person who has a phone now will have a dedicated phone with a separate number. The total number of instruments will not change but the way they work will. Angiolillo said that there will be more control by the individual user. First all the new phones will be push button touch tone. A memory system will provide automatic dialing of frequently used numbers. The system can store from 10 to 30 numbers. There will be call forwarding and call waiting. In addition a feature called trunk queuing will be available. Cost savings will result because there will be fewer lines needed. If you dial "9" on any of the other codes to get an outside line and the line is busy, the system will call you back when a line is free.

Angiolillo explained that a majority of the current phone numbers will change with the addition of the new system. To help ease the transition a new listing will be distributed two weeks prior to the implementation of the PBX system.

Department representatives who are trained in the operation of the new phone network will be available to help anyone who is having difficulty adapting to the new methods of phone operation. Brochures and a video tape about the system are also scheduled for distribution.

Although all this sounds like it will cost a lot of money it really will save the Center money in the long run. It will make for a more efficient system and the equipment will be cheaper to lease. It is estimated that the new system will save approximately 10% over the old system. The new network can be better monitored for abuse. Not only long distance calls will be checked but local calls will be recorded and checked.

Awareness Month Events

October at NADC will once again be Awareness Month. The theme this year will be "Working Together is Winning Together." In preparation for Awareness Month, the Women's Advisory Committee has scheduled a series of programs to be brought to the Center. The Committee also plans to give a "Woman of the Year Award" to one of the outstanding women on Center who continually demonstrates high standards of achievement and professional support to fellow employees.

The Awareness Month Program below, has been specifically developed with the interests of the Center women in mind. All Center employees are invited to attend the various presentations, however, the Committee hopes that the Center women will be able to fully participate in the program.

Schedule of Events

6 October 1983	10:00 a.m.— 12:00 Noon	Availability of Positions for Women in Other Government Agencies and Private Industry Speaker: Ms. Stephanie Garret Regional Federal Affirmative Action Program Manager, OPM
12 October 1983	1:00 p.m.— 3:00 p.m.	Consumer Awareness Speaker: Prof. Blaine Greenfield
19-21 October 1983	8:00 a.m.— 4:00 p.m.	Effective Communications Within the Organization Dr. Beth Stearns
26 October 1983	12:00 Noon	AWARDS LUNCHEON Speaker: Ms. De Burton National President FEW
31 October 1983	9:30 a.m.— 11:30 a.m.	Sexual Harassment Speaker: Ms. Zinnie King

Township Commends NADC for Tech Help

The Township of Warminster has sent a letter of thanks to NADC for its assistance through the Technical Volunteers Service program. People from the Center have volunteered their time and expertise to help solve problems that the township faces. Several NADC employees have joined the program and have assisted Warminster technically.

Jerry Bortman and Stewart Lee (retired) got together with representatives from Warminster and identified areas in which NADC could be of assistance. An interference problem in the township's communications equipment was found. Howard Krumboltz and Doug Crompton successfully diagnosed the problem and eliminated the Interference. Also Mike Massington, NADC's Safety Officer, helped steer Warminster's Township Safety Committee in the right direction.

Warminster is currently asking for assistance with the following:

- Development of a computer system
- Recommendations for a telephone system
- Recommendations for township building lighting
- Recommendations for township building air conditioning

If you have expertise in any of these areas and would like to volunteer some time, please call Jerry Bortman at X3100.

Recipe Contest to Satisfy Appetites

Starting with this issue of the Reflector, the government's gourmet guide to better living, "The NADC Recipe Review" will be a regular feature. It's new and it's for you.

If the number of requests that the NADC Food Services Board receives for various recipes served in the Center's Cafeteria is any indication of the quality of the food prepared and served by Bob Green, our cafeteria manager, and his staff we are very fortunate to have them on board. As a result, the Food Services Board along with Mr. Green's enthusiastic support has arranged to have the NADC Cafeteria Recipe of the month published in the Reflector. This will be a recipe for one of the items served by Macke that has been shown to be a favorite among the Center's employees.

BUT THAT'S NOT ALL.

Mr. Green has, in addition, offered to select a recipe each month to be served in the cafeteria from among recipes submitted to him by Center personnel. The Food Services Board was so impressed with this idea that they have agreed to award the employee whose recipe is selected by Mr. Green with a $50.00 U.S. Savings Bond.

This is your chance to share your favorite recipe with your friends and fellow employees as well as receiving a Savings Bond from the Food Services Board in appreciation of your helping to enhance our work environment.

The rules are simple. Send your recipe to Bob Green, NADC Cafeteria Manager, no later than the second Friday of each month. Remember the recipe you submit must be such that it can be reasonably prepared and served in the cafeteria. The quantities and proportions called out in your recipe will be adjusted accordingly, by Mr. Green, for serving large numbers in the cafeteria. If your recipe is selected by Mr. Green you will be notified by the Food Services Board and presented with the award.

Watch this space next month for an NADC Cafeteria favorite recipe as well as the winning Center employee's recipe and when it will be served in the cafeteria. GOOD LUCK AND BON APPETIT!

Commander Salutes

Jay Goldfarb, PAR, for his support to the Office of the Deputy Chief of Naval Operations during the period 1 July 1981 to 30 June 1983.

Joseph J. Kelly, Douglas O. Bagwell, Albert E. Simkins and Edwin F. McGlynn, all of ACSTD, for their evaluation of the Aerial Refueling Store (ARS) proposal.

George Lowenstein, CNTD, for his participation in President Reagan's Private Sector Survey on Cost Control.

Gordon K. Marshall and Edward J. Cotilla, both of SATD, for their coordination of the recent TTCP Subgroup G meeting.

Gregory P. Catrambone and Francis P. Darreff, both of SATD, for their preparation of an analysis of potential radar alternatives for the A-6 and F-14 upgrade programs.

AW2 William Dearie, DCP, AT2 James Warden and ATCS William Pesek, both of the Aircraft Department, for their assistance to the Naval Surface Weapons Center during tests of the Offboard Deception Devices Program.

Stephen J. Mapa and James H. White, both of CNTD, for their work while modifying the USNS VANGUARD.

Janice Strozier and Maureen Satchell, both of SATD, Annamae Dyson, Computer Department, Helen Machen, SD, Maria Needles, Command Admin, and Ronald Kabin, Comptroller, all for their support given during the recent Command Inspection.

Surgical team members from a Pittsburgh hospital rush to board an aircraft at the Naval Air Development Center carrying with them a donated human kidney. With the organ recipient waiting on the operating table, the transplant team flew into NADC, the closest airfield to Warminster General, and following a three hour operation they were on their way back to Pittsburgh with the donated organ. The Center's Crash and Rescue Crew provided full Medevac backup support for the surgical team and their aircraft while the tower and ground crews extended their operating hours to assist in the emergency.

New Titles

Following is a partial list of books recently added to the Technical Information Branch. Visit or call your library at x2541 to inquire about these books.

PERIODICALS

Defense Science 2001 +, Rush Franklin Publishing, Inc. Semi-monthly, February 1983-

Personal Computing, Haydn Publishing Co., Inc. Monthly, June 1983-

Popular Computing, McGraw-Hill Inc. Monthly, August 1983-

MICROCOMPUTERS

"IBM's personal computer" C. DeVoney QA76.8.I3D1

"IBM's personal computer, 2nd ed." C. DeVoney QA76.8.I2594D48 1983

"Interfacing to S-100/IEEE 696 microcomputers" S. Libes TK7887.5.L5

"Microcomputer architecture and programming" J. F. Wakerly QA76.6.W325

"Programming the IBM personal computer, BASIC" N. Graham QA76.8.I2594G7 1982

"Your IBM personal computer : use, application, and BASIC" D. E. Cortesi QA76.8.I2594C67 1982

MICROPROCESSORS

"Microprocessor operating systems, vol. I and II" QA76.6.M486, QA76.6.M487

"Microprocessor systems and their application to signal processing" C. K. Yuen TK5102.5.Y8 1982

"Microprocessors and logic design" R. L. Krutz QA76.5.K77

"16-bit microprocessor systems" D. L. Cannon TK7895.M5C35 1982

Granfalloon Champs Again

The Granfalloon defeated the Druids in the finals of the NADC Men's Softball League this year to recapture the championship. It's the fourth time in five years that the Granfalloon has taken the title. In the past several years the league has become stronger and more balanced; this year was no exception, with the playoff matchups not being decided until the last day of the season and only two games separating six teams.

The quarterfinals brought a few surprises as all four series went the full three games. The Eighth Inning (8-11 regular season) came close to eliminating the Granfalloon (17-2) early as they won the first game 2-1 on the pitching strength of John Bechtel (2 hitter) and a two RBI double by Jim Bebey; losing pitcher Steve Torok also allowed only two hits. The Granfalloon came back to win the next two games, however, 17-3 and 10-7. In the other series, the Swingers (14-5) went down in three close games to the defending champion Misfits (10-9). The Guzzlers (13-6) came back from a 15-0 first game defeat at the hands of the Bearcats (13-6) to win that series, and the Druids (13-6) also avenged an initial game 17-2 thrashing, by the Renegades (12-7) to capture their series. The two semi-final matchups lasted the minimum two games as the Druids throttled the Guzzlers and the Granfalloon eliminated the Misfits in two close games.

The finals went surprisingly easily for the Granfalloon as they took both games 11-1. It was the first time the Druids made the playoffs. A high scoring team that usually scores runs in bunches, the Granfalloon jumped on Dick Cullen, one of the league's stronger pitchers, for five runs in the first inning, highlighted by a bases loaded, base clearing hit by Ed Swiski, and again for four runs in the third, capped by a bases loaded single by Garth Torok. Solo home runs by Swiski and Tom Weiss provided the final difference. The Druids' only run came in the third, when Mark Cahill scored Dave Dummeldinger from second with a base hit. Steve Torok scattered six hits to get the win. Druid pitcher Glenn Savage fared no better in the second game as the Granfalloon scored four in the first on RBI singles by Matt Brown and Tony Viola and a two run homer by Weiss. The final outcome was no longer in doubt when the Granfalloon scored four more in the second, when Weiss clubbed a grand slam, his third home run in the finals and fourth in the playoffs. RBI singles by Steve Fleischut and Glenn Willis provided the final margin of victory. The Druids' only score came on a double by Buzz Vozzo and a single by Mike Kuszewski, as Steve Torok, backed by the strong Granfalloon defense, limited the Druids to six hits.

Commissioner Craig Volker presented the Granfalloon with the championship trophy and thanked all the teams for an excellent season.

Fireman's Olympics are Hot

For the first time the Naval Air Development Center hosted the Bucks County Fireman's Olympics. There were about 30 men from four companies dressed in rubberized coats, hip boots, helmets, oxygen equipment and gloves on a 90° plus day. The four companies represented were: Warwick, Hartsville, Upper Makefield, and Northampton.

The idea behind the competition is to take skills that are used by all firemen and incorporate them into timed events. Four different events were staged. Of the four, which included fast hose hook-up and pumping, a driving skills course and another pumping test, the most interesting was the use of personal gear. Each fireman had to don his helmet, boots, gloves, and coat and go through a series of steps while being timed. After putting on the clothing he then had to put on a breathing tank and mask. After the breathing apparatus was on he proceeded to display his expertise in knot tying. When the knots were tied he then reversed the whole procedure to end up in normal street clothes.

When all was said and done, the Hartsville Fire Company won. They will proceed to the Pennsylvania state finals and maybe the Nationals.

Fireman dons his helmet during Olympics.

Service Awards

A total of 18 Center employees were honored recently for completing 30 or more years of government service.

Those receiving 35 year pins were: Gerald Libby (03), John Wullert (20), Alphonso Boyd (60), William Justice (60), Leonard Tomko (60), Marvin Schulman (60), Vincent Misticoni (81), and Harold Hedleburg (84).

Schulman, who heads the Seating and Escape Branch, said he had no regrets about having a career with the government. "The work is rewarding and the diversity of the work is good. Contributing to the saving of lives by designing escape systems is important."

Those receiving pins for 30 years of service to the government were: Thomas Reiter (10), Francis Buck (20), John Kauker (40), Thomas Rothstein (50), Dominic Ottaviano (60), Anthony Negri (60), Gerald Lepone (81), Earle Largent (83) and Clifford Tierney (83).

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