

## CINCPACFLT praises Persian Gulf role of sailors and Marines

Admiral R. J. Kelly, Commander-in-Chief, U.S. Pacific Fleet released the following message congratulating Navy and Marine Corps personnel.

"As events in the Persian Gulf appear to be winding down, I applaud the superb professional performance of our Navy and

Marine Corps team both in theater and in supporting roles outside of the theater. You have made Naval history.

"Since the Revolutionary War, generation after generation of Americans have been called upon to defend the freedom that many people take for granted. You

men and women of the Pacific Fleet, along with your families and loved ones at home, are the new American patriots. You have done your job well and I am proud of each and every one of you.

"Like all of us, I am saddened by the loss of life that this war has brought. You

can never replace a shipmate. As the Secretary of the Navy said in his recent message, "They will not be forgotten." I second that sincere thought.

"I join both Secretary Garrett and Admiral Kelso in sending a well deserved BRAVO ZULU to the Pacific Fleet."

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Right:

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March 7, 1991

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**Weather Report**

	Max	Min	Peak Gusts
Wed.	63	43	22
Thurs.	54	42	23
Fri.	59	45	27
Sat.	70	39	26
Sun.	--	--	--
Mon.	--	54	24
Tues.	65	49	21

## Adm. Kelly takes Pacific Fleet lead

PEARL HARBOR (NNS)--Admiral Robert J. Kelly took the helm of the world's biggest naval command last month when he relieved Admiral Charles R. Lawson as Commander-in-Chief, U.S. Pacific Fleet (CINCPACFLT).

The 26th admiral to lead the Pacific Fleet since its establishment in 1941, Adm. Kelly brings more than 17 years of sea duty with light attack squadrons, flying the A-4 Skyhawk and the A-7 Corsair II from carrier decks in both the Atlantic and Pacific fleets. He has also commanded the USS Paul Revere, carrier USS Enterprise and Carrier Group Eight, where he was dual-hatted as Commander, Battle Force Sixth Fleet. He reported to Hawaii following assignment as Deputy Chief of Naval Operations for Policy and Operations.

## Network Services change numbers

As of Feb. 25, the Network Services Branch, Network Services Desk changed its telephone number from NWC ext. 2338 to NWC ext. 6661 to provide customers better service. The old number was a single line phone with no expansion capabilities. The new number (NWC ext. 6661) is a three (3) line rotary so customers should not get a busy signal when calling the Network Services Desk for assistance or to place a trouble call. The Network Services Desk has been integrated with the Network Management Center (NMC), allowing network management personnel to communicate with the customer.

# NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLVI, No. 9, March 7, 1991

## MAD Marine boosts Desert Storm

Gunnery Sergeant's innovation and persistence pays off with improved AH-1 helicopter rocket accuracy

Marine Gunnery Sergeant Dan Boone has never been more proud of his work at the Naval Weapons Center than he was when he saw the fruits of that labor being used in Operation Desert Storm last month. His change to the AH-1 helicopter rocket launcher was done to improve accuracy of this weapon and thereby save lives. GySgt. Boone was more excited about seeing it used in combat than he was with the check he got through the Beneficial Suggestion Program.

After years of kicking around what had been considered an accepted problem of the AH-1 series helicopter since the mid-1960's, a relatively simple solution was discovered by this pretty down to earth marine.

The Marine Aviation Detachment's (MAD)

GySgt. Boone recently received a cash award and letter of appreciation from the NWC Commander, Capt. Douglas W. Cook, and congratulations from Col. Jerry Agenbroad, MAD commanding officer, for the development and testing of the AH-1 Helicopter Rocket Launcher Stabilization/Accuracy Improvement proposal. Boone's stabilization bracket and field expedient boresight tool have been locally implemented into Center weapons development and testing, and the proposal been forwarded for Navy-wide adoption.

So what does that really mean? Well, to unravel the whole story it's best to start with the initial problem.

Since the introduction of the AH-1 series

helicopter into the Naval aviation inventory, recurring problems with the 2.75" rocket accuracy on that airframe had been common knowledge. It was an accepted problem since the 2.75" rockets (in particular, with the Mk40 rocket motors) were considered a general area weapon. With the introduction of more advanced rocket motors the desire for accurate delivery of the 2.75" rocket was determined necessary.

This was the initial problem. It was debated and discussed over the years, but nothing concrete had been discovered to change it. That is until Gunny Boone jumped on the bandwagon.

"In 1987, there was a conference hosted by (Continued on Page 3)

## IR technology research continues

Among the most important technologies being explored for the U.S. Navy of the next century is infrared technology, both shipboard and airborne applications are being investigated now. At the Naval Weapons Center, the Two-Color Imaging Radiometer is among the instruments now being used in this research.

With wider and longer viewing capabilities, the NWC's Two-Color Imaging Radiometer (TCIR) can help research and development efforts in several ways, noted Jeff Spindler, a physicist in the Intercept Weapons Department's Signature Measurement & Evaluation Branch. "TCIR is a high resolution, high sensitivity, calibrated instrument providing simultaneous radiometric imaging in both the 3-5 micrometer and 8-12 micrometer bands. We can record data from an aircraft farther away than before," Spindler said.

The TCIR is a two-color infrared camera with a window of 300 millimeters. "With the bigger telescope, there is less diffraction," explained Spindler. The instrument, made by Magnavox, has two detector arrays, allowing it to measure two wavelength bands at the same time.

According to Spindler, 180 element detector arrays will help offset losses caused by the atmosphere and water in the air. "Atmosphere absorbs many infrared wave lengths," he said, "resulting in some loss of con-



REFLECTION OF THE TIMES -- Jeff Spindler, a physicist in the Intercept Weapons Department's Signature Measurement & Evaluation Branch, looks at NWC's new Two-Color Imaging Radiometer. Photo by PH3 Cary Brady

trast. The more detector elements, the better the picture looks."

NWC can use data obtained through infrared equipment for many purposes. "We are trying to make our own aircraft less vulnerable to infrared missiles, while at the same time improve our own infrared seekers," explained Spindler. "Data from infrared cameras can be used to detect the presence of camouflaged tanks or artillery units and pinpointing aircraft or vehicles which have been recently used."

Spindler noted it took his department two years to acquire this latest technology in infrared. "Magnavox has built only four such units. The one at NWC is the third one," he said.

Any program at the Naval Weapons Center working with infrared can use the TCIR system, noted Spindler. Whether it is to improve infrared seeker capabilities or to find ways to camouflage heat sought by infrared.

Spindler originally worked in the Fuze Department, but left his

civilian service position to work in commercial industry. Two years ago, he came back and has been with the Electro-Optics Guidance Division ever since.

"This type of work is very important to the Navy," Spindler said. "They have had almost no infrared on ships in the past, working mostly by radar technology. Infrared technology is growing and is the wave of the future."

Anyone wanting to know more about the TCIR, can call Spindler at NWC ext. 2237.



# Commentary

## NWC Rocketeer

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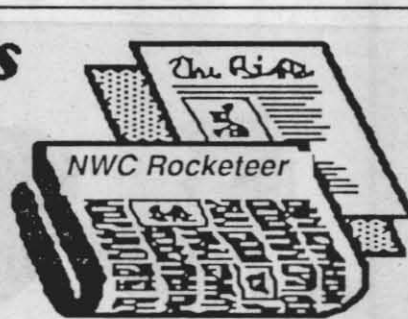
### QUESTION

My concern is why haven't we shown any outward show of support for our troops in Saudi Arabia, yellow ribbons and flags, etc? I was wondering when something like that could be done. Thank you.

### ANSWER

Thank you for your concern and interest in the Naval Weapons Center's outward support of the troops in the Gulf. The Indian Wells Valley Chief Petty Officers Association (IWVCPAO) and local Branch 95 of the Fleet Reserve Association (FRA) have elected to combine their efforts in placing yellow ribbons at various locations throughout the base, beginning with the trees along East Inyokern Road, from just inside the main gate to the traffic circle. The project was on hold until local merchants were able to obtain additional supplies of yellow ribbons; as the tremendous support of Ridgecrest residents depleted existing stock. The ribbon tying took place last weekend. Ribbons blown off by the wind will be replaced. If you would like pointers on how to start your own program, the following individuals would be glad to provide you with suggestions and information. For the IWVCPAO,

## Pages from the Past



### March 7, 1951

LCdr. Jimmie E. Savage reported to China Lake as the new operations officer for Armitage Field. . . LCdr. Donald Tabb was named as senior member of the China Lake Recreation Council. . . "Postwar Science in Western Europe" was the topic of a talk given in Michelson Lab by Dr. Polidore Swings, University of Liege and NOTS consultant. . . NOTS recruiters visited universities to stimulate interest in the Station among new graduates.

### March 4, 1966

Navy enlisted men Donald and Gerald Burgess are brothers stationed at China Lake, PH2 Gerald Burgess is with VX-5 and SN Douglas Burgess is next door at the Naval Air Facility. . . Lt. Sam McMullen is the new head of the Security Department at NOTS. . . Herbert Belisle retired after 30 years federal service, the last 17 at NOTS. . . Capt. G. H. Lowe, Annex OIC presided at an awards ceremony for military members attached to the Pasadena Annex.

### March 6, 1981

David Hardison, deputy undersecretary of defense for tactical warfare programs, visited NWC. . . William Brooks, a contract employee of Kentron was fatally injured in at accident at Armitage Field. . . Les Saxton took over as head of Recreation Services from Joseph Mauro who moved to North Island. . . Cdr. Gordon Carlburg and LCdr. Bob Strath ended Navy careers with retirement.

### March 7, 1986

Burrell Hays, NWC Technical Director announced his retirement as of May 2 rather than take the Washington D.C. job as Director of Navy Labs. . . The Advanced System Development Branch said the FOLPEN radar will enhance perimeter security for the Marine Corps. . . BU3 James Hammett was named Seabee of the Year by the China Lake reserve detachment. . . Ground was broken for the Electronic Warfare Simulation Integration Facility next to Thompson Lab.

## The Skipper Sez...

contact Senior Chief Sue Cunningham at NWC ext. 2583. For the FRA, please contact Skip Bennett at NWC ext. 7452.

All China Lakers, including military personnel, civilian employees and their dependents, are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. Douglas Cook. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only one or two questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave their name and phone number for a direct contact, but otherwise, this is not required. There is no intent that this column be used to subvert normal, established chain-of-command channels.

## China Lake Calendar

### March 8

. . . IWV Multi-Organizational Technical Seminar, 8 a.m., Room 1000D, Michelson Lab

### March 9

. . . IWV Navy League Bluejacket of the Year Banquet, 6:30 p.m., NWC Seafarer Club

### March 15

. . . MOWC Creative Auction, Seafarer Club

### March 23

. . . Blue Angels Air Show, 9 a.m., Armitage Field

### March 31

. . . All You can Eat Easter Brunch, 10 a.m. to 1 p.m., NWC Seafarer Club

### Coming Events

April 5, Retiree Appreciation Day

May 6-7, Annual Safety Standdown

June 4-8, American Heritage Week Celebration

Items of interest to the China Lake population may be placed in the CHINA LAKE CALENDAR by calling the NWC Rocketeer at NWC ext. 3354 before 11:30 a.m. on Monday before Thursdays publication.

## FMA installs new chapter leaders

New officers of the Federal Managers Association, Chapter 28 were installed late last month at a meeting featuring Capt. Douglas W. Cook, Naval Weapons Center Commander, as the guest speaker.

Capt. Cook talked about future directions of the Center, near-term funding and manpower issues and NWC's relationship with the City of Ridgecrest and other governmental agencies.

Also speaking was Mike Styles, National FMA president, who discussed goals and future plans of FMA. FMA Zone 10 President, John Bowman from Camp Pendleton was the installing official for China Lake chapter officers.

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PERSONALS.....	1	SERVICES.....	30
LOST & FOUND.....	5	AUTOMOTIVE.....	35
HAPPY ADS.....	10	MISC. FOR SALE.....	40
HELP WANTED.....	15	GARAGE SALES.....	45
RENTALS.....	20	PETS & SUPPLIES.....	50
BUSINESS.....	25	REAL ESTATE.....	55

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# Community Events

## Community Events

Ricky Parks will discuss the role of the Black in the Civil War at the March 8 meeting of the Family Geneological Society. Visitors are welcome to attend this event, which is set for 7 p.m., in the Kern County Library Meeting Room.

\*\*\*\*\*

On March 9, the Women's Center, High Desert will present a conference workshop entitled *Beyond Superwoman II, Understanding Family Lifestyles in the 90s*. The workshop will be held at the Kerr-McGee Community Center from 8:45 a.m. to 12:30 p.m. Registration will be held at 8:30 a.m. A \$5 registration fee, which covers refreshments and three seminars, will be required.

\*\*\*\*\*

Community Connection for Child Care is presenting a complete series of parenting tapes over the phone. **Mar. 15 -- Setting Limits on Normal Behavior!** Setting realistic rules in common situations. To listen to the tape listed above please call 375-0446.

\*\*\*\*\*

Sierra Sands Unified School District's Music Parents Club will host its annual fund-raising all-you-can-eat spaghetti dinner on Sunday, **March 10** from 4:30 to 7:30 p.m., at the Eagles Lodge, 301 W. Ridgecrest Blvd. Tickets may also be purchased at the door, \$5 for adults, \$2.50 for children under 12.

\*\*\*\*\*

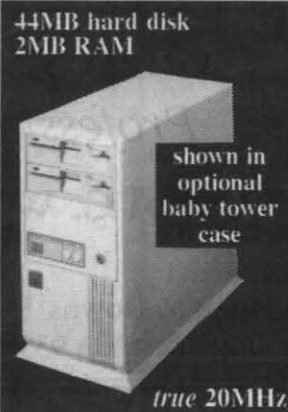
Cerro Coso Community College's Art Department will present the artwork of Elizabeth Mamorsky from March 11-29 in the Art Gallery. There will be a lecture on the *Social Surrealism* show following its 7 p.m. opening on **March 11** in the 2D Art Lab, Room 170. For more information, call 375-5001, ext. 239.

\*\*\*\*\*

A Burroughs High School Bands Boosters meeting will be held Wednesday, **March 13**, at 7 p.m. in the BHS band room. The meeting is open to all community members interested in the high school band program and band activities.

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## CLOTA readies courtroom drama

*Nuts*, the dramatization of a tension-filled legal hearing in a hospital psychiatric ward, is in final Community Light Opera and Theatre Association (CLOTA) rehearsals for its March 15 opening in the Burroughs Lecture Center.

Award-winning director Reno Venturi is helping his nine-member cast tweak their characterizations and perfect their timing for this enactment of a young woman's battle to prove herself mentally competent to stand trial on charges of manslaughter. Deb Haydu, who recently starred in Henrik Ibsen's *A Doll's House* in Santa Maria, carries the demanding role of Claudia Draper, a defiant, abrasive call girl accused of killing an abusive client.

As Claudia's attorney, Alice Pastorius must cope with the courtroom antagonisms generated by Claudia's contentious nature, as well as the skillful judicial attacks of the prosecuting attorney, played by Brian Short. Dan Weston, as the hearing room bailiff, Jessica Saitz as the recorder, and Barbara Burton

as the Judge, complete the hearing room staff.

"Star turns" fall to three players who portray prosecution witnesses at the hearing. John Clark fills the role of an officious psychiatrist who recommends that Claudia be committed for extended treatment; Clark has garnered several community theatre awards, including that of best actor in the lead role of *Tribute*. Suzanne Kirschner plays Claudia's society-matron mother, who appears to favor her daughter's being silenced, rather than have the family background exposed in the course of a public trial; local audiences will recall Kirschner's strong performances in a variety of comic and serious roles, including the villainous nurse of *One Flew Over the Cuckoo's Nest*. Clyde Irvine, who created the title role in CLOTA's original musical, *Sir Simon*, brings to life the complex character of Claudia's stepfather, a wealthy industrialist who unintentionally provides testimony that sends the drama hurtling toward its denouement.

"If you like real courtroom drama, *Nuts* is your cup of tea," director Venturi said. "Nobody can say it's weak tea, either. The action and the language don't pull any punches!" Venturi said he has created an original, brief "prelude" to the play, a blend of music and images to give the audience a sense of Claudia's life and personality up to the point at which the play begins.

Following its opening on March 15, *Nuts* will repeat March 16, 22, and 23. Curtain time is 7:30 p.m.; all performances will be in the Burroughs High School Lecture Center. Advance ticket purchases can be made from cast and crew members and from Ridgecrest Cleaners, Farris' Italian Gardens, The Art Buffet, The Book-Let and Richer's Digital Audio. Tickets will also be available at the Lecture Center box office on evenings of performance. General admission is \$8, \$5 for active-duty military personnel, senior citizens and full time students under 21.

by Bill Blanc

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# Military News

## Boone's persistence provides vital contributions

(Continued from Page 1)

The Center discussing this problem of rocket accuracy on the AH-1," commented Boone. "Ideas were discussed back and forth. A myriad of people attended what turned out to be a major brainstorming session. In everybody's mind was one thing, to solve the problem." Time passed by and people seemed to lose interest because it wasn't the priority item of the moment. But while others became involved with different projects Boone, Lanny Drummond, an engineer from Pacific Missile Test Center, Pt. Mugu, Calif., and LCdr. Harold Cashat of the Naval Weapons Evaluation Facility in Albuquerque, N.M., worked together to form a solution.

In 1988 the team came up with a workable rough idea. "We realized two things. One, the question was how to boresight the rocket launcher, and two, the major problem on the aircraft was the instability of the launch-

*"Nobody in the world is more hard headed than a Naval aviation ordnanceman. It's like they're all from Missouri. . . SHOW ME!"*

ers rather than their accuracy," said the Marine. Extensive research revealed the bulk of these aircraft specific rocket inaccuracy problems resulted from the design of the inboard stations on the helicopter. While researching different methods of improving rocket accuracy, it was determined that a method was needed that would allow for rapid field boresighting of the inboard stations.

"We tried using some adapters currently used on a fixed wing

aircraft and even set plates of metal on top of the rocket launcher, but these initial attempts didn't work," said Boone. What did work though, was the suggested change involving a set of brackets for each inboard station and a tool for field boresighting.

At last, there was light at the end of the tunnel!

The next step was to submit their findings, documentation, and mechanical drawings in a proposal to send up the chain of command for Navy-wide approval. "We submitted a pretty in-depth package with all the manufacturing instructions, usage instructions and user handbooks."

But before they sent the package off they wanted to prove their research was correct by testing it on soldiers in the fleet. So they went to MAG-39 in Camp Pendleton, Calif., where they could explain their findings to fleet ordnance personnel and let them test it. "Nobody in the world is more hard headed than a Naval aviation ordnanceman. It's like they're all from Missouri. . . SHOW ME!" chuckled the Gunnery Sergeant.

With the crew from MAG-39, they loaded a rocket launcher on the aircraft without the bracket and let the Marines kick it around. This way they could compare how loose it was as it stood.

"The kind of variation pilots were getting without the bracket was between 12-15 milliradians per shot. Which meant 1,000 meters down range you were looking at 1200 to 1500 meters of difference between each rocket shot for each mill that you were off," stated Boone, "So it wound up being much like the shotgun effect. You shoot them and hope they land in the same grid

square."

Next came the big test. Adding the brackets!

Again, the Marines kicked the rocket launcher, shook the aircraft, and put it through the riggers. And the end result?

It only moved *one* milliradian!

"When the group commander got wind of what we were doing he was eager to test it in flight to

see how good the device was. He was granted permission to go ahead and when they came back from the test flight they were grinning from ear to ear!" remarked the Gunny. The group commander was so impressed with the product he ensured they had the hardware with them when the company deployed to the Persian Gulf.

What tickled Boone even



**THE FEW, THE PROUD, THE MARINES --** Marine Aviation Detachment's (MAD) GySgt. Boone and MAD CO, Col. Jerry Agenbroad, hold the field expedient boresight tool Boone helped design to improve AH-1 helicopter rocket accuracy. The proud Marine was presented with a check from the Beneficial Suggestion Program and a letter of Appreciation from the NWC Commander for his efforts. Photo by Steve Boster

more was when he was watching CNN and saw rocket launchers with the devices being used in

*"The whole purpose of the change was to keep people from dying. And to see it being used in a combat situation was a big shot in the arm!"*

Operation Desert Storm. "I ran up to the television and pointed to the rocket and said 'that's it! that bracket right there!'" He couldn't have been more proud. "The whole purpose of the change was to keep people from dying. And to see it being used in a combat situation was a big shot in the arm!"

Working at NWC for the past five years has given Gunnery Sergeant Boone a real chance to see a things in a different light. Prior to joining the MAD, the Marine had spent most of his time in the fleet, where he only witnessed the end results of systems tested. He had never had the opportunity to see exactly what goes into making the final product.

"After being part of what goes into the testing out here, I have certainly gained a greater appreciation for the personnel at NWC and what they accomplish. They are the ones who ensure we are producing good products that keeps 'us fleet guys' out of harms way," remarked Boone.

As far as this Marine's contributions, he said, "I feel fortunate. To be able to start something and actually see it in the fleet before I left here is practically unheard of. I feel like I just might be doing something right!"

by Kristine L. Smith, Rocketeer Staff Writer

## Navy offers several channels for enlisted to earn college degree

WASHINGTON (NNS)--Any motivated sailor who is interested in self-improvement can find a Navy program to help, according to the Navy's personnel chief.

Chief of Naval Personnel VAdm. Mike Boorda, a prior enlisted sailor who earned his college degree while on active duty, believes nearly anything is possible for the sailor who is willing to research the opportunities. "But you've got to go after them," Boorda explained. "They won't come to you."

The sailor who is qualified and motivated can earn a

college degree and a commission through the enlisted commissioning program (ECP), the Naval Academy or NROTC. Those who need help preparing for the academy or NROTC can get intensive training through programs such as the Naval Academy Preparatory School (NAPS) or broadened opportunity for officer selection and training (BOOST).

An enlisted member may also become an officer before earning a college degree through the chief warrant officer (CWO), limited duty officer (LDO) and naval aviation

cadet (NAVCAD) programs. In addition, several educational programs, such as the recently expanded enlisted educational advancement program (EEAP), tuition assistance (TA) and program for afloat college education (PACE), can help sailors become more competitive for commissioning programs. However, Boorda stresses a commission is just one worthwhile reason to get a higher education. "Education for its own sake--to make you a more complete person and help you do your job better--is also a worthy goal," he said.



## Chapel

### A Lenten Meditation

Our Lord Jesus Christ did not simply ask us to love one another, but to love one another as He Himself loved us. Then, He expressed very clearly the depth of His love for us: "Greater love than this no one has, that one lay down his life for his friends" (John 15:13). As the crowning act of His love for us, Jesus did, in fact, lay down His life, but this was preceded by a long life of loving which manifested itself in acts of self-sacrifice for others. As we examine the life of the Savior, we see that His ministry was characterized by extending Himself in acts of love, mercy and compassion. We should not, however, make the mistake of assuming that it was easy for Him to do good for others. Indeed, the good which He accomplished cost Him a great deal.

The Gospels state that He *went about* doing good. Whereas it would have been possible for Him to have cured people at a distance by merely uttering a word or by a simple act of His will, He often traveled long distances to lay His hands on them and cure them. Whereas it would have been possible for Him to have cured a whole multitude simultaneously, the Savior took the time and effort to speak to each and cure each individually, many times after a long day of preaching and teaching (cf. Mark 1:29-34). Our Lord helped others, even when it caused Him trouble, even when it endangered His life.

When we go out of our way to lend a hand to help others, we necessarily imitate the Savior whose life was one of "love turned outward." It takes time and effort to visit a sick person, to baby-sit for a couple who need an evening of recreation, to listen to an elderly person tell the same story for the hundredth time. Even to try to see another person's point of view in a heated discussion involves restraint.

Indeed, the greater the effort to love, the greater the self-denial on our part, because love proves itself, not in words, but in action.

By LCdr. S. A. Casimano, CHC, USN  
Command Chaplain



**JOB WELL DONE--Col. Jerry Agenbroad, MAD CO, presents Louise Tankersley, former director of the Navy-Marine Corps Relief Society, with the Meritorious Civilian Achievement Award.**

### Navy-Marine Corps Relief Society meets growing needs

Thanks to generous contributions from local businesses, the Navy-Marine Corps Relief Society (NRS), China Lake continues to support military and dependents in the surrounding area.

The gulf crisis is not over yet for military families suffering

financial hardship -- including reservists recalled for action. During this crisis, NRS has expanded its services to meet the growing need.

Navy Relief cannot endorse products nor can donations be earmarked for Desert Storm.

However, the society gladly accepts proceeds and donations to their general fund which benefits area military members serving both here and in the gulf.

The office is on Lauritsen, between Blandy and Inyokern Road. Call NWC ext. 2921.



**RE-ENLISTING IN STYLE -- VX-5's AD3 Kelly K. Kingsley sits in the cockpit of an F/A-18 aircraft while Executive Officer, Cdr. John E. Voshell, congratulates her for re-enlisting another four years. Photo by PH3 Bushey**

## Auction set for March 15

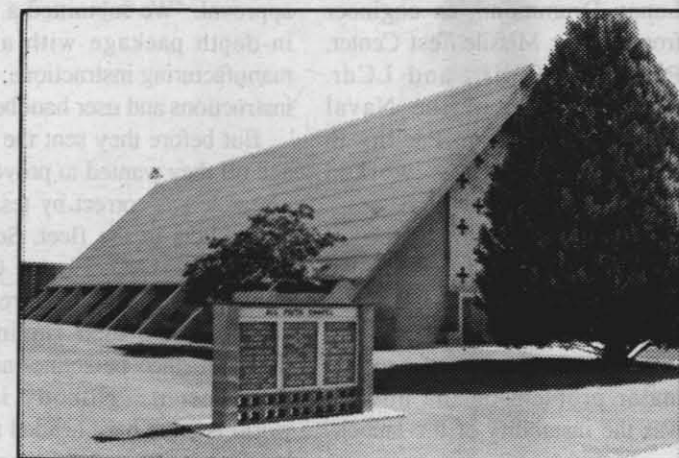
On Friday, March 15, the Military Officers' Wives Club (MOWC) will hold a Creative Auction at 6:30 p.m. in the Naval Weapons Center's Seafarer Club. This annual fundraiser traditionally brings out a large crowd of civilian and military personnel for an evening of riotous entertainment.

Military members and friends have donated time and talent in the form of unusual services to be auctioned off. Additionally, many handcrafted items will go on the block.

A \$5 admission fee gives all attendees an equal chance to walk out with part of the \$5,000 worth of door prizes donated by local and national businesses, including resort and motel stays, restaurant meals, cruises, ski passes, theme park passes and other great items. See the ad in next week's *Rocketeer* for a list of the many prizes.

Proceeds from the auction benefit the MOWC scholarship fund for military dependents and selected local non-profit organizations.

Show your support for our military -- uphold the tradition!



## Divine Services

Protestant	
Sunday Worship Service, East Wing	8:00 a.m.
Sunday Worship Service, Main Chapel	10:30 a.m.
Sunday School, 1008-10 Blandy & 1903-05 Mitscher	9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June)	11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday	6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday	7:00 p.m.
Islamic	
Jumaa Prayer (Friday at 1006 Blandy)	12 (noon)
Roman Catholic	
Sunday Mass, Main Chapel	9:00 a.m.
Daily Mass, Small Chapel	11:35 a.m.
Confessions, Weekdays	By appointment
Religious Education Classes (Sunday) (September thru May)	10:30 a.m.
1902 Dibb, 1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher	
Jewish	
(NWC ext. 2851)	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday at 1004 Blandy)	3:00-5:00 p.m.
Religious Education (Sunday at 1004 Blandy)	9:00 a.m.-12 noon
Chaplain S. A. Casimano, LCDR, CHC, USN Chaplain G. L. Goodman, LT, CHC, USNR Andy Busch, Student Rabbi Hearing Impaired Equipment, Nursery Available Phone NWC ext. 3506, 2773, 2873	

## Workers need additional leave due to emergencies

Employees indicated below have been approved to become leave recipients under the Leave Transfer Program. These employees have exhausted annual and/or sick leave because of personal emergencies and will be in a non-pay status for at least ten days. Employees who wish to donate annual leave to the employee should call NWC ext. 2018.

**Judith Talbot, Secretary, Code 001** -- is undergoing follow up treatment from a surgery performed in September and is in need of leave.

**Mildred Haywood, Secretary, Code 6531** -- is in need of leave due to back injuries sustained in a car accident.

**Barbara Miller, Fiscal Accounting Clerk, Code 2855** -- underwent surgery and is in need of leave.

**Maryann Hiser, Engineering Data Management Specialist, Code 36542** -- will be undergoing major surgery and is in need of leave.

**Betty Cirotski, Procurement Assistant, Code 31B1** -- is undergoing treatment for an acute staph infection in her surgically replaced hip. She will be unable to work for three months.

**Deborah Ann Ball, Computer Scientist, Code 3922** -- underwent abdominal surgery and is in need of leave.

**George J. Wiederhold, Electronics Technician, Code 6236** -- has been hospitalized for two months due to severe depression.

**Sandy Joyal, Procurement Assistant, Code 257** -- broke her elbow in four places and will be unable to return to work until the end of February.

**Barbara J. Bennett, Secretary, Code 308** -- had arthroplasty and needs to be off work for three months. She is indebted for leave.

**Thomas Boyd, Visual Information Specialist, Code 3414** -- is off work and indebted for leave due to osteomyelitis of the spine.

**Leo Montano, Visual Information Specialist, Code 3441** -- is undergoing further cancer treat-

ment and is in need of leave.

**Marlene Nelson, Paralegal, Code 006** -- underwent unexpected emergency surgery and is in need of leave.

**DeWayne Davis, Engineering Technician, Code 3665** -- underwent surgery and is in need of leave.

**Linda Lou Crosby, Television Production Specialist** -- had knee surgery and is undergoing physical therapy.

**Anita L. Rohloff, Clerk, Code 3193** -- is suffering from multiple sclerosis and bilateral optic neuritis. She will be unable to work until June.

**Madeline Kay Blackston, Computer Security Specialist, Code 6447** -- is required to care for her husband who has terminal lung cancer.

**Cheryl Mosley, Secretary, Code 3217** -- is in need of leave to care for her son who underwent surgery.

**Tamera Nelepovitz, Electronic Technician, Code 3573** -- is experiencing severe complications due to dependent diabetes and is indebted for leave.

**Karen Linard, Industrial Engineer, Code 3291** -- underwent major intestinal surgery and is in need of leave.

**Polly Bainbridge, Secretary, Code 3922** -- is currently undergoing medical treatment and is indebted for leave.

**George Petty, Physicist, Code 3924** -- was admitted to the Duke University Hospital on an emergency basis with the diagnosis of acute myelogenous leukemia.

**Satik Martinsen, Management Assistant, Code 36402** -- is diagnosed as having nodular sclerosing Hodgkin's Disease and is currently undergoing treatment.

**Jay W. Hill, Code 6421, Electronic Technician** -- is being treated for pneumonia and valley fever and is indebted for leave.

## Pre-certification needed for hospitalization

Effective Jan. 1, 1991, all Federal Employees Health Benefits (FEHB) fee-for-service plans require patrons to obtain pre-certification for admission into a hospital. Most insurance companies have either sent out flyers or a special card to carry with the information and phone number needed for patrons to call to obtain the pre-certification. For patrons who have not seen this information, every year, each insurance company publishes an explanation of benefits brochure. This brochure contains the specific requirements for pre-certification per company.

Each company has a contractor to handle the pre-certification process. While rules slightly vary, the basic requirement is that patrons are to call to obtain pre-certification for any admission into a hospital within two working days before admission. If it is an emergency admission, patrons are required to call within 48 hours or two working days after being admitted (companies vary on this time limit). The patron, hospital personnel or doctor can call for certification. This call must be made before scheduling inpatient surgery. Failure to obtain the certification required by the company will result in a \$500 penalty, which will be deducted from the benefits payable to the hospital.

FEHB patrons should check their insurance companies' brochure for details.

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288-6743 (Autovon)  
(202) 443-6743 (commercial)

## NWC has 50 positions open for summer jobs

Applications will be accepted for the Federal Summer Employment Program at the Naval Weapons Center, China Lake, CA for 1991 from March 15 through April 15. The program begins on May 14 and continues through Sept. 30.

The total size of the program will be limited to approximately 50 positions.

Category I -- Clerical positions, grades DG-A/1 (GS-1/2/3/4/5), include jobs as clerk, clerk-typists and computer clerk.

Category II -- Non-clerical positions, grades DT-1 (GS-3/4), include jobs as engineer technician, physical science technician and math technician.

Category III -- Positions in grades DA/DS/DP-1 and above, include jobs involving professional, technical or administrative work.

To apply for jobs in Category I, II and III, applicants must be U.S. citizens and at least 16 years of age at time of appointment. For clerk-typist positions, applicants must be able to type 40 words per minute. No written test is required.

To apply for positions in Category I, II and III, applicants must submit the following forms:

- SF-171 must be submitted for each position applied for under each category
- NAVWPNCEN 12720/1 -- Background Survey Questionnaire
- High school students may submit a copy of their Permanent Record Form
- College transcripts -- if qualifications are based on education (unofficial copies are acceptable), or Form OPM 1170/17
- DD Form 214 -- if applicant claims Veteran's Preference
- SF-15 -- Claim for 10-point Veteran's Preference with a photocopy of appropriate proof.

Applications for all categories of positions may be mailed to: Commander Code 225, Attn: Summer Employment Office, Naval Weapons Center, China Lake, CA 93555-6001; or taken to Naval Weapons Center (Code 225), Civilian Personnel Building (No. 2335), 505 Blandy, Room 233, China Lake, Calif.

*The total size of the program will be limited to approximately 50 positions.*

Category V -- Summer Aid Program -- Employment for the Needy Youth. This program is designed to employ economically disadvantaged youths. Positions involve work of a routine nature and require no specific knowledge or skills. Applicants must be at least 16 years of age at the time of appointment. The rate of pay is Federal minimum wage -- \$4.25 per hour.

For further information, please contact Sylvia P. Enriquez, NWC ext. 3371.

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# Application deadline for long-term graduate, undergraduate training is Friday, March 15

Applications for long-term graduate and undergraduate level training (training off Center for a period of more than 120 consecutive working days) beginning in fall of 1991 are invited from NWC employees. To be eligible for long-term training, interested individuals should be employed at NWC for at least three years at the time studies begin and, if applying for undergraduate level training, must be within 2 years of completing the undergraduate program.

Long-term training may be considered to meet any of the following objectives:

1. To update employees' knowledge where several years have passed since they have completed or left academic or in-service training.
2. To give technical employees management skills when job responsibilities have, or will become, managerial.
3. To update employees' knowledge and background in their job specialty.
4. To teach employees aspects of another occupation that relates to their present occupation where responsibilities are interdisciplinary or multidisciplinary.
5. To provide educational opportunities stressing motivation and human relations.

Both graduate and undergraduate programs are supported by NWC.

The Long-Term Training Committee (LTTTC) will consider applications in any area of study that relates directly to NWC program requirements. The primary criteria the LTTTC follows in determining when long-term training is used instead of after-hours, part-time or short-term programs are as follows:

1. The new knowledge and skills required of the

employee, either in present or planned career assignments, necessitate a comprehensive, concentrated program of study.

2. The time span for acquisition of new skills and knowledge is such that an accelerated study program of long-term full-time duration is required.

3. It is determined that the academic superiority of the institution selected is such that it is clearly in the best interest of the government that the employee attend the selected educational institution.

4. There is no educational institution or academic program in the local or community area for part-time or after-hours training.

Long-Term Training funds are available to cover the trainee's travel allowance to and from school (one round trip), tuition and fees required for enrollment, and payment of a reduced rate per diem to cover the cost of rent and utilities. Code 2241 will be responsible for payment of the trainee's salary including MTP funding.

The following areas of critical need have been established by Center management:

At the graduate level: systems engineering; microwave/RF circuits, subsystems and missile guidance, antennas, and radar engineering; microwave antennas; digital and analog signal processing; missile test equipment; target signatures-modeling and reduction; radar, laser, EO-IR targeting sensors; weapons/avionics integration; tactical embedded software; facility simulation software; air combat susceptibility/vulnerability; EW systems; propulsion systems; rocket motor propulsion; high energy tomography operational research/analysis; statistics; advanced structural engineering (aerodynamics - CFD, aerospace - thermal, structures); financial/business sys-

tems analysis; physics (electro magnetism); integrated optics - optical and electronic thin-film device engineering; electrical engineering - high voltage, short - rise time power; physics/engineering -- detonation mechanics, interior ballistics, combustion; fluid mechanics modern digital signal processing - ISAR, SAR; RF active array theory/practice; avionics system engineering; chemistry - organometallic/solid state synthesis, electrochemistry.

At the undergraduate level there is a continuing need in these areas: engineering (particularly electronics and curriculums with an emphasis on reliability, manufacturing and quality); computer science (in a specialty other than offered at NWC); physics; mathematics; acquisition/contracts; financial analysis/cost accounting with an ADP background.

Programs of study at both the graduate and undergraduate level are not limited to these areas.

Further details of the long-term training program are available from the Academic Fellowship Office, Code 2241 (NWC ext. 2349) in the Training Center. NAVWP-NCENINST 12410.5M of Nov. 12, 1987, and the Long-Term Training Handbook can only provide limited guidance as they are both in the process of being rewritten.

The long-term training application process has been streamlined, applicants are strongly advised to contact Code 2241 (Training Center, Bldg. 00947, Rm. 212) for information and application forms. The deadline for submission of applicants for programs commencing in the fall semester or fall-winter quarter of 1991-92 is March 15.

Information on LTT policies and application procedures is available from Bill Bethke and Sue Swett, Code 2241, NWC ext. 2349.

Course prerequisites include (1) previous certification to MIL-STD-2000 and (2) a current eye examination.

To be scheduled for any of these classes, contact the Soldering Technology Training Facility, Code 36812, at 446-5571. After being scheduled, please submit a Training Request (NAVWPNCEN 12410/73), with the appropriate job order to be charged annotated in Block 16, via department channels to Code 36812.

## Soldering Technology Branch offers training opportunities

During the months of March and May, the Soldering Technology Branch will be offering three soldering classes, one 40-hour high-reliability soldering course to MIL-STD-2000 and two 24-hour recertification courses to MIL-STD-2000. All courses will be held at 543 Graaf Street from 7:30 a.m. to 4:30 p.m.

The 40-hour high-reliability soldering course will be held March 18-22. This course is for government/contractor personnel needing certification as inspectors or operators. Requirements for the course include (1) previous soldering experience and (2) a current eye examination.

The first 24-hour recertification course will be held March 25-27, with the second one scheduled for May 29-31. These courses are for government/contractor personnel requiring annual recertification as inspectors or operators.



**GOING STRONG--Carl Halsey completed 40 years of federal service, most of it with the Naval Weapons Center, last June.**

## 40 Years: Carl Halsey still finds the job fun, exciting

After 40 plus years of government service, coming to work is still fun and Carl Halsey isn't ready to quit having fun just yet. With a 40-year service certificate in hand, Halsey still comes aboard the Naval Weapons Center each morning to work as head of the Ordnance Systems Department's Ordnance Evaluation Branch.

Capt. Douglas W. Cook, NWC Commander, made the presentation at a recent Commander's Meeting. The Skipper added he was glad to see Halsey was still at work because when NWC loses people such as him their 40 years of experience and knowledge, cannot be readily replaced.

With the exception of four years active duty in the Air

Force, Halsey's China Lake connection has been intact since he went to work for the Public Works Department in June of 1950. Six months later he was in the Air Force and was assigned duties in conventional and non-conventional weapons until early 1955 when he came back to the then Naval Ordnance Test Station in the Ordnance Systems Department.

Halsey moved to the Research Department later that year working in development and test of new types of rocket propellants. Four years later he went to the San Clemente Island Sea Range. While there he was involved in some of the first underwater launchings of Polaris and Subroc missiles. Coming back to the Research Department in 1966,

Halsey helped develop underwater cutting charges, assisted in clearing the Suez Canal with underwater shaped linear charges and more.

As associate head of the Public Works Department's Geothermal Utilization Division, Halsey not only assisted with developing the Coso geothermal resource at NWC, but with geothermal efforts at Adak, Alaska and NAS Fallon, Nev.

At the time he noted China Lake's Public Works Department was probably the only one in the Navy with with an ordnance research operation. This was based on the work Halsey and people on his team did in testing ordnance for penetration into concrete, rock and soil.

He created the branch he still heads in 1986. Since moving to the Ordnance Systems Department, he's been busily conducting numerous tests aimed to stopping sympathetic detonation, ordnance safety and obtaining ordnance environmental data.

In 1988 Halsey won the coveted Kit Skarr Firing Officer Award as the outstanding ordnance firing officer of the year. The same day Capt. Cook presented the 40-year certificate, Halsey's team from Code 3269 was saluted by the U.S. Marine Corps for their work on qualifying an alternative fuel for the fuel-air explosive weapon.

This has been a man on the move for the past 40 plus years. He has been NWC's man on the job in exotic locales ranging from Vietnam to the Republic of Senegal and from Palomares, Spain to Switzerland.

And it's still fun!

## Blues, VX-5 flying in March 23 show

With the March 23 airshow featuring the Blue Angels at the Naval Weapons Center, less than a month away, the Public Affairs Office has released the following information about the day:

"We are pleased to announce the Naval Weapons Center is continuing to plan for an airshow on March 23 featuring the Navy's premier flight demonstration team, the Blue Angels. Also featured will be the VX-5 Vampires, parachute jumping, and static displays of military aircraft. Several defense contractors will have static displays of their contributions to our national defense. Admission to the show is free of charge.

"In order to ensure the safety of airshow participants, attendees and Naval Weapons Center facilities and equipment, certain security measures above those normally in force must be followed.

"We ask for everyone's patience and cooperation and we regret any inconvenience such security measures cause."

Special security measures for this event include access control by using only two designated gates and restricting what may be brought into the airshow area.

Items which may conceal explosives such as cameras, binoculars, coolers, radios and metallic chairs will not be allowed inside the airfield's fence line. Wooden folding chairs will be allowed.

One access gate will be restricted to use by China Lake employees, area contract employees, military personnel, reservists and retired military members. To use this gate the driver must have an NWC pass or valid military identification card and a Department of Defense vehicle decal. All persons in the vehicle 16 years of age and older must have current picture I.D.

Another gate will be designated for all other visitors who wish to attend the airshow. Each person in each vehicle 16 years of age and older must have a current picture I.D. Vehicles entering through this gate may be required to undergo a more detailed security inspection.

NWC gates will open at 9 a.m. on March 23 and the airshow begins at 1 p.m. Refreshments and souvenirs can be purchased from vendors at the airfield.

While admission to the airshow is free of charge, visitors may wish to purchase bleacher seats. Seating is \$5 per person and a limited number of tickets are still available at the Craftech Hobby Center on Richmond Road. Call NWC ext. 3252 for ticket information.

## Savings Bonds good source of emergency cash

U.S. Savings Bonds can provide cash on demand. They can be redeemed at any time after six months from the issue date; and the interest rate is fixed at the time of purchase, it can't go down, even if market rates drop sharply.

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## Maturango Museum unveiled new NWC exhibit last week



**NEW EXHIBIT--**With a Sidewinder missile at the center, a new exhibit showing the history and technology of the Naval Weapons Center opened at the Maturango Museum last Saturday. Two other new or updated exhibits were also opened to museum visitors the same day. Capt. Douglas W. Cook, NWC Commander, was among the speakers at the open house celebrating the improvements to the popular museum.

Photos by Steve Boster



## Bluesheet access through SCF VAX

An application called "Bluesheet" is available to all VAX users on the SCF VAX Cluster. "Bluesheet" displays articles from the *NWC Announcements* of the last two months. This application is easy to use and menu driven, allowing you to select and read only the material that interests you. You can scan the current issue of the *Announcements* or browse through the previous issues by date and by article. "Bluesheet" offers help on how to submit an article to the *NWC Announcements*. It also displays urgent, informative or special news items under a bulletin board feature called "Special Announcements."

VAX users can access "Bluesheet" with or without an account on the SCF Cluster. It is intended to supplement, not to replace, the *NWC Announcements*. "Bluesheet" is perfect for looking up information from a past issue you may no longer have available, catching upon a missed issue or reading the current issue of the *Announcements* while waiting for a hard copy to be routed to you.

When using the "Bluesheet" feature, use only lowercase on the keyboard. The c-continuous command will scroll through the entire text without stopping, so don't use it if you want to read information you accessed. CONTROL C will exit you from "Bluesheet" at any time.

### Instructions for users without an SCF Cluster account:

1. At the LOCAL> prompt, connect to the C, E or F node of the SCF Cluster. You cannot access this feature using any other node. EXAMPLE: LOCAL> c scfc (or "C SCFC," or "c scff")
2. At username prompt, type "bluesheet" and the application will begin.

### Instructions for users with an SCF Cluster account:

1. At the LOCAL> prompt, connect to the C, E or F node of the SCF Cluster. You cannot access this feature using any other node. EXAMPLE: LOCAL> c scfc (or "C SCFC," or "c scff")
2. Enter your username at the prompt.
3. Enter your password at the prompt.
4. Enter valid JO, y or return.
5. At the \$ prompt, type "bluesheet."

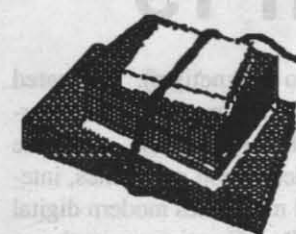
## Family housing survey goes out

**HOUSING SAYS...** Military families and their dependents who live in Naval Weapons Center housing and in the local community will soon be receiving a family housing survey in the mail. The survey is used to determine if military housing is necessary, as well as to support repair and improvement projects. It is the primary tool for obtaining

information on the adequacy of occupied community assets and specific requirements by bedroom.

Please give this survey your prompt attention, urges the Housing Office staff. Review the instructions before completing it and return it with the self-addressed envelope provided within three days after receipt.

# CSUB announces spring classes



The following classes are being offered this spring for the Cal-State University, Bakersfield (CSUB, bachelor's degree in business administration and the master's degree in administration programs).

To enroll in these classes, submit an on-Center Training Request and Authorization Form (NAVWPNCEN 12410/73) via department channels to Code 224. Registration will be held at the first class meeting. *Deadline for enrolling is 10 calendar days before the starting date of the class.* Enrollments in courses will be on a first-come, first-served basis, unless otherwise stated.

### BA 374: Business and Society (5 quarter units)

**April 4-June 6; Thursdays, 1610-2110; Training Center. By Professor Graves, CSUB, (805) 664-2157.**

Scope: Focuses on the external environment within which the business firm must operate. Considers those situations where the market system fails to solve problems that society deems important. Topics include consumerism, ecology, quality of work life, ethics in business and corporate response to the environment.

Note: This is a core course for the bachelor's degree program in business administration through CSUB.

### ECON 305: Economic Philosophy and Political Economy (5 quarter units)

**April 10-June 10; Mondays, 1610-2110; Training Center. By Professor Oswald, CSUB, (805) 664-2460.**

Scope: A critical examination of philosophical presuppositions that undergird economic thought and systems. A comparison of the pre-modern and modern world views in their historical context and the economic and political sys-

tems entailed by each, including an examination of the major economic paradigms and their proponents (e.g., Smith, Marx, Keynes). Consideration of fundamental contemporary issues included.

Note: This course satisfies General Education Goal X for CSUB students in the bachelor's program.

### ENG 577: Technical and Report Writing (5 quarter units)

**April 3-June 5; Wednesdays, 1610-2110; Training Center. By Professor Solomon Iyasure, CSUB, (805) 664-2144.**

Prerequisite: Status as a graduate student.

Scope: Extensive practice in writing clearly and persuasively in technical and specialized forms such as reports of experiments, abstracts, business reports and proposals, letters, memoranda.

Note: This is a core course for the master's degree program in administration through CSUB.

### ADM 677: Managerial Aspects of Government Contract Administration (5 quarter units)

**April 4-June 6; Thursdays, 1610-2110; Training Center. By Professor H. Stanley Jones, CSUB, (805) 664-3406.**

Scope: The managerial aspects of administering governmental contracts will be explored in this graduate level seminar. Course topics will include negotiation skills, administrative management and how to increase your interpersonal communication between members of a team and other involved individuals.

### MATH 477: Differential Equations (5 quarter units)

**April 4-June 6; Thursdays, 1300-1700; Training Center. By Professor El-Ansary, CSUB, (805) 664-**

3151.

Prerequisite: Math 6C: Calculus II or equivalent or consent of instructor.

Scope: First-order differential equations; linear differential equations; linear systems; Laplace transform and its application to solutions of linear differential equations and systems; series solutions of second-order linear equations and/or numerical solutions of differential equations; topics in nonlinear differential equations and systems; applications.

### Comments

Job-related courses other than those listed above or those offered under contract with Cal-State, Chico; Cal-State, Bakersfield; or Cal-State, Northridge, must be approved on a DD 1556 (Off-Center Training Request) before registration if NWC is expected to pay for the training. For more information, call Cecil Webb at NWC ext. 2648.

## Counselors advise students about colleges' programs

Academic counselors for Cal-State University, Bakersfield (CSUB) will be on-Center March 15 to advise current and prospective students in the external degree programs offered by that school.

External degree programs offered at NWC by CSUB include a bachelor's degree in business administration and a master's degree in administration. CSUB also provides math courses in other external degree programs at NWC.

Those who wish to see one of the counselors need to make an appointment by calling Helen Benes at NWC ext. 2648.

## Teachers needed for CSUN courses

California State University, Northridge (CSUN) is looking for instructors to teach electrical engineering, mechanical engineering, applied mechanics and systems engineering courses in its master's degree program on-Center.

On March 6, between 11 a.m. and 1 p.m. three chairmen of CSUN engineering departments will be available at the Training Center to talk to prospective instructors. Those interested are encouraged to

bring a resume to submit to CSUN for possible future consideration.

Prospective instructors should have at least a master's degree.

Anyone interested in teaching for CSUN but cannot attend the meeting on March 6, should call Cecil Webb, NWC ext. 2648, to obtain information on forwarding the resume to CSUN.

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# Personnel News

## Promotional opportunities

Applications for positions listed below are being accepted from Department of Navy employees currently working at NWC and from eligible employees of attached activities who are permanently assigned to NWC. This group includes employees with career or career conditional appointments; employees with permanent Veterans Readjustment Act (VRA) appointments; temporary employees with reinstatement eligibility; and handicapped employees with Sch. (A) continuing appointments. Also included are spouses, with competitive status, of civilian sponsors hired by a DOD activity within NWC's commuting area. Applications from other groups will be accepted when specified in an advertisement. Vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements, including minimum qualifications requirements, by the closing date of the advertisement. Evaluation of applicant's qualifications will involve using at least two assessment measures. Assessment measures are work experience, annual performance assessment rating and narrative, education, training, performance assessment and awards.

Eligible spouses (of military sponsors) with competitive employment status may apply for employment preference. Those enrolled in this program will automatically receive consideration for employment on vacancies for which they applied. For initial employment information, career counseling and enrollment, call 939-3317 for an appointment.

**HOW TO APPLY:** Submit the following: a current application, SF-171 or other Human Resources Department pre-approved form; a copy of your most recent annual performance assessment narrative (note: a copy of your performance plan should be attached if the annual performance narrative description does not clearly state the tasks/duties performed); and a completed Background Survey Questionnaire. A supplemental narrative which relates your qualifications to each knowledge, skill or ability (KSAs) as cited in the advertisement is always desirable and may be required if stated in the vacancy announcement. Write the title, series, level (grade), and announcement number on all application materials. Not submitting the annual performance narrative may adversely affect your evaluation scores. Prior to submitting your application, complete Cover Sheet Form 12335/2, available at the reception desk. **Make sure your address, phone number, etc. are current, correct and that all forms are complete and accurate.** If information is missing, your qualifications may not be fully and completely rated. Additional information cannot be submitted after the closing date of the announcement. A current date and a signature on the last page completes the application. Civilian Spousal Program Eligibles with competitive employment status must submit a copy of their sponsor's PCS orders with each application in order to be considered for Merit Promotion vacancies which do not state that status eligibles may apply.

Application materials are accepted, and blank forms are available, at the Reception Desk, Room 100, Human Resources Department, 505 Blandy. **Announcements close at 4:30 p.m. on Thursday, one week after the opening date of the announcement, unless otherwise specified.** Applications received after 4:30 p.m. on the closing date will not be considered. Copies of Applications may be submitted since applications are kept in an announcement file and cannot be returned or filed in personnel folders. The Naval Weapons Center is an **Equal Opportunity Employer**; selections are made without discrimination for any non-merit reason.

## Notice Regarding Drug Testing Designated Positions

Any applicant tentatively selected for one of these positions will be required to submit to urinalysis to detect illegal use of drugs prior to a final selection. Final selection is contingent upon a negative drug test result, and thereafter the selectee will be subject to drug testing on a random basis as the incumbent of a Testing Designated Position (TDP). Further, all Department of the Navy employees may be subject to drug testing under certain circumstances such as reasonable suspicion and after an accident. All individuals will have an opportunity to submit medical documentation that may support the legitimate use of a specific drug to a Medical Review Officer. An applicant's test results will be provided to the selecting official and servicing Civilian Personnel Office before a final selection is made. A verified positive drug test of a current Department of the Navy employee will also be provided to the employing activity/command. (NAVWPNCENINST 12792.2, 14 Dec 90).

## 24-007, Electronics Technician, DT-856-2,

**Code 2411** - This position is located in the Physical Security Branch, LEPS Division, Safety and Security Department. Incumbent performs maintenance, testing, troubleshooting, repairing and replacing components of an Intrusion Detection System (IDS) program and assisting Branch Head and other IDS

technicians.

**Job Relevant Criteria:** Knowledge of electronic principles; Ability to use electronic test equipment; Ability to read schematics and engineering drawings; Ability to work as a member of a technical team; Knowledge of alarm systems. Promotion Potential to DT-856-3.

## Reassignment opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applications must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

## No. 64-002, Interdisciplinary (Electronics

**Engineer/Physicist), DP-855/1310-2/3, Code 6443** - This position is located in the Radar Systems Branch of the EWTES Division, Aerosystems Department. This branch operates and maintains many threat radar systems used to test electronic counter measure devices in free space. The schedule of work is nominally "first 40", Monday through Thursday, 0630 to 1630. The incumbent will be working with an experienced team that operates and maintains a modern pulse doppler, semi-active threat radar, and associated digital systems. The incumbent must possess engineering knowledge or experience working with radar and missile systems. Applicants must have experience in software languages such as 68000 Assembly and Vector General

displays, or other software with related backgrounds. The incumbent must be able to read and maintain FORTRAN application programs. Familiarity with DEC VMS, RT11/RX11, and DR11WX interfaces is desirable. Applicants must have the ability to troubleshoot software problems that cross systems boundaries. Experience in reading and interpreting schematic diagrams and technical documentation, and the ability to assist in the upgrading and definition of replacement hardware/software systems is required. Applicants must have the ability to work effectively with a technical team and obtain and maintain a top secret clearance. **Promotion potential to DP-3, but not guaranteed.** To apply, submit a current SF-171 to Don Snyder, Code 6443, NWC phone 3571, X270.

## Secretarial opportunities

This column is used to announce secretary positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below.

Applicants will be rated against four or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

Unless otherwise indicated, applicants for branch secretary will be rated on elements 1/2/3/5/8; division secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office secretary applicants will be rated on elements 1/2/3/4/5/8/9; and department secretary applications will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

## No. 38-007, Secretary (Typing), DG-318-1/2,

**Code 3894** - This position is located in the Research Department, Engineering Sciences Division, Warhead Dynamics Branch. We are located in a beautiful remote location, yet only 5 minutes to central site and Ridgecrest. Incumbent provides secretarial and administrative support for the branch Head, and staff. Additionally, the incumbent will assist elsewhere in the division when needed and work load permits. Ability to meet and deal effectively with others is highly desirable. Knowledge and working skill on the Macintosh SE/SE-30/11 is desirable. Only one position available, don't delay, act now by

submitting your SF-171. The full performance level of this position is DG-2. Previous applicants need not reapply.

**No. 62-012, Secretary (Typing) DG-318-2, Code 6251** - Incumbent will provide secretarial support to Computer Systems Branch of the Data Systems Division. Duties include time card processing, updating automated access entry system and receipting and distributing range test plans. Prepares correspondence relating to contracts and procurements. Skills with a Macintosh computer system is desirable. Must be able to obtain and maintain a Secret Clearance. Promotion potential to DG-2.

## GEHA representative visits Center on March 19

Bob Johnson, a Government Employees Hospital Association (GEHA) representative, will be visiting NWC to answer questions about GEHA or to

address any concerns or problems. He will be at NWC on Tuesday, March 19, in Room 202 at the Training Center from 7:30 to 11:30 a.m.

# Storage fire, safety hazards prompt survey

The sea vans and sea/land storage containers located around NWC are much like the big closet in your spare bedroom. They are ideal places to keep items that you don't need right away but think you might need later. Unlike the spare closets, however, some of the sea vans and sea/land storage containers pose a serious threat to the health and safety of NWC personnel.

In recent years, many codes have turned to storage containers for cheap, weatherproof, secure storage. Because there is no Center-wide process for container acquisition and siting, purchase and placement has been uncontrolled. As a result, many of the 420 storage containers in use are eyesores, barriers to service access, and—more importantly—safety hazards. Center fire regulations require clear fire lanes and adequate access for fire trucks and equipment between a storage container and a permanent building. A recent survey by Public Works Department and Fire Division, however, found many containers are obstructing emergency vehicle access.

Fire Chief Lee O'Laughlin points out that a storage container set close to a building may cause three problems for fire fighters. First, a fire in the container may start a fire in an adjacent building or vice versa. Second, the container blocks windows that offer both emergency exits from the building and access for fire fighters to battle the blaze. Third, the container makes it difficult to

maneuver fire apparatus to get fire hose access, forcing fire fighters to wrestle a heavy, rigid fire hose around corners to get a straight shot at the fire.

Storage of flammable or toxic materials within storage containers is also prohibited by fire and safety regulations. Summer temperatures may exceed 150° inside the closed containers, and without adequate ventilation this temperature can turn a container into a fume-filled bomb. A fire in an adjacent structure or even a spark caused by opening the container's steel doors can be disastrous.

Storage containers can pose security problems as well. Proper locks, combination safeguards, and accounting procedures must be used if a container is used for storage of classified material, and the container may not meet security requirements if it has been modified (for example, with skylights or windows). In addition, storage containers located too close to security fences violate required clear zones.

A hard look at storage requirements may show the containers used by your code are being used for storage of equipment and property that could be excessed. Excessing would not only free up storage space but also provide revenue to NWC from the proceeds of the excessed property.

A Center-wide inventory of storage containers is now in process. With the cooperation of departments across the Center, the Equipment Management Branch (Code 05E1) is obtaining

the procurement information for all storage containers, supplemented by the identity of the owning code and the custodian for each container. The Branch has a team in the field now marking each container with a brass inventory tag and stenciling the owning code number in 6-inch-high numbers on the container.

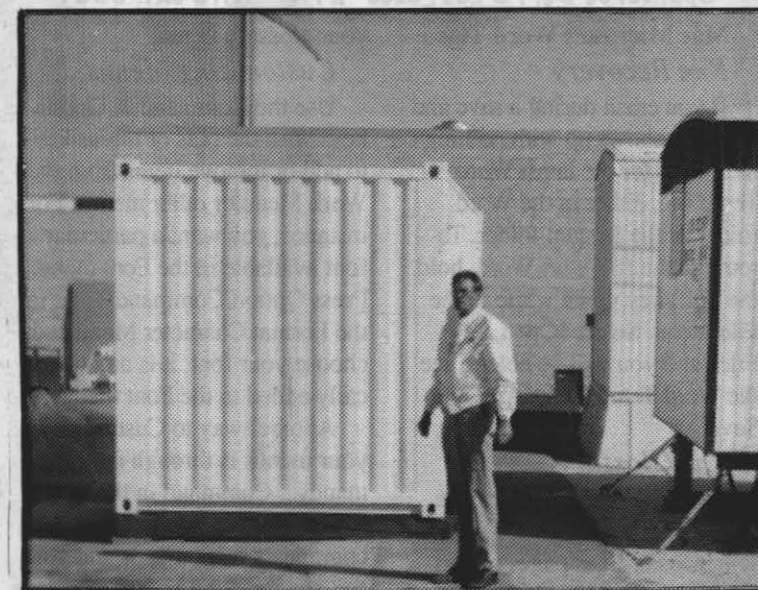
Information from the inventory and the field team will be used to establish new asset records in the Corporate Equipment Resource Management System (CERMS). This procedure will allow the containers to be counted as Center assets and may help in assigning unneeded containers for reuse. Based on the inventory and field team efforts, the Fire Division will conduct an inspection of the containers and determine the safety of their locations relative to adjacent structures.

The storage containers that are blocking fire lanes and building access must be moved, and the fire division will be working with the responsible codes to accom-

plish this. The Fire Division will also begin randomly inspecting containers to ensure that they are being used properly and safely.

Take the initiative to review the location, contents, and use of

your storage container. Your cooperation will help to ensure that storage containers continue to provide safe and economical storage space at NWC for the foreseeable future.



**TOO CLOSE FOR COMFORT --** Darrell Johnson, NWC's deputy fire chief, inspects the close quarters of a storage container to an NWC building.

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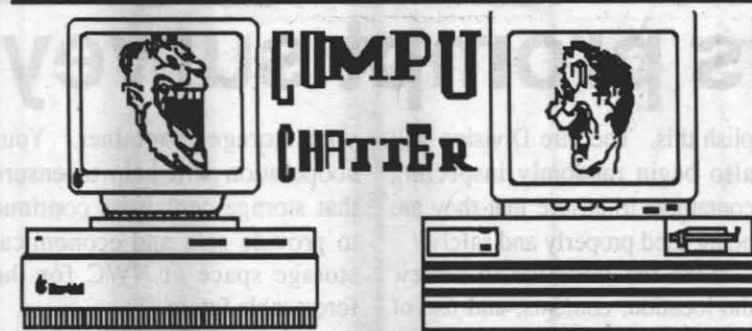
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### Mac Microsoft Word Tips File Recovery

If you crash during a save and your file shows up with nothing in it, look for the latest Word Temp file, either in the Word folder or the System folder. To retrieve the file, start Word, hold the Shift key down while in the File menu. Select "Open Any File" and you will be able to see the Word Temp files, Open and Save.

### The Glossary

Word's glossary feature lets you store frequently used words, sentences or even pages of text. When you start Word, the Standard Glossary is loaded, add items to it or create a separate glossary file. To add items to a Glossary, select the text, cut or copy it, choose Glossary from the Edit menu, give it a nickname, click Define. To paste in glossary items, choose Glossary, select the abbreviated name and Insert.

### Create a Work Menu

A Work Menu may include file names, glossary terms, and style names. Add those glossary items you use a lot for a major short cut. To add a Work Menu, hold the Command & Option keys, press the = key, the cursor turns into a big plus sign. Now, go to the Edit menu, choose Glossary and the item you want added to the Work menu, the Work Menu is added in the menu bar with

## Letter to the editor:

Dear Editor:

On Tuesday, Feb. 12, Houchin Community Blood Bank held its regularly scheduled bimonthly blood drive sponsored by the Emblem Club at the Elks' Lodge in Ridgecrest. Due to the overwhelming response by your community, blood bank supplies were exhausted prior to the announced closing time of the mobile. Houchin Blood Bank wishes to apologize for any inconvenience this caused to those who were turned away and also to express our sincere appreciation to those who waited in the long line for their turn to donate.

We hope to eliminate these problems when we begin coming on a monthly basis starting in March, on the second Tuesday of every month except July and August. We will continue to set up in the Elks' Lodge in the afternoon from 1 to 6 p.m. just as we always have in the past.

We welcome those who were unable to donate in February and those who wish to begin donating. We have always appreciated and valued the support shown to us by your community and by the dedicated group of volunteers who assist us. By expanding our

service to you, we hope to better meet the needs of your growing community.

If you have any questions or wish to volunteer your time, please call either your local fund chairman, Dorothy Jackson, at

375-2059, or you are welcome to call me at Houchin Blood Bank, at 805-323-4222.

Sincerely,  
Vivienne Kuster  
Mobile Co-ordinator  
Houchin Blood Bank

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## Youth hoopsters try for one more win before season's end

Members of the Naval Weapons Center Youth Basketball League took to the courts one more time last weekend as they tried to tally another win before the season ends next weekend. To celebrate the end of the season, coaches and referees will go head to head in an exhibition game at 1 p.m. on Saturday, March 9, at the Youth Center. Don't miss this fun-filled game!

### Division I

#### Suns 28, Rockets 20

Shannon Parks led her team with 11 points, while Rory O'Neil, Dirk Spoons and Glen Cordoza added a total of 17 points for the win. Teamwork and accurate shooting by Ryan Katzenstein, Chris Bachman, Curtis Haney, Eric Otto and Matthew Wooley made the Rockets a hard team to beat.

### Division II

#### Bulls 48, Jazz 28

Fourteen points each by Matt Galyardt and Peter Greedy, followed by Jason Bull's 13 points, gave the Bulls a commanding lead over the Jazz. Jim Mills and Curtis Allen also scored in the victory. In spite of 19 points by Jason Vanderslice and baskets by Patrick Goodman, Anthony Pfau, Jason Hiatt and Zack Woydziak, the Jazz couldn't stop the Bulls.

#### Mavericks 34, Rockets 30

In a close game, the Mavericks narrowly triumphed over the Rockets due to Michael Bachman's nine field goals and sharp

shooting by Josh Bower, Bryan McCollum, Sam Elson and Justin Nelson. The Rockets played an excellent game with points shot in by Jamie Rugg, Mark Norlund, Darren Hodge, Mark Ogren and Chris Brown.

### Spurs 36, Clippers 30

David Rollingson's 21 point gave the Spurs the extra edge they needed to upset the Clippers. Zack Hillewaert tossed in 13 points and Anton Kiren dunked in two to clinch the win. Despite good defense by Tiffany Corsey and Joel Deeke, and effective shooting by Will Collier, Ray Hyles, Willie Eichenberg, Erik Johnson and David Turner, the Clippers couldn't pass the Spurs.

### Division III

#### Lakers 69, Celtics 27

With the entire team tallying points, the Lakers flew past the Celtics. Brooke Fryar led the victors with 28 points, followed by Andrew Huston, who dunked in 12, and Lisa O'Neil and Jimmy Hutmacher, who each tossed in 10 points. Chris Maki and Jay Norlund also scored in the win. With Galen Wilson being the only player to score in the double digits (13 points), the Celtics had a hard time. Other Celtics' scorers were Thomas Koelsch and Tim Jacobs, with four points each; and Pat Ross, Toby Adam and Jimmy Adam, each tallying two points.

#### Pistons 44, Kings 42

In a closely matched game, the Pistons edged out the Kings by only one field goal. Behrang Goodarzirad led the Kings with 16 points, followed by Jeff Ran-

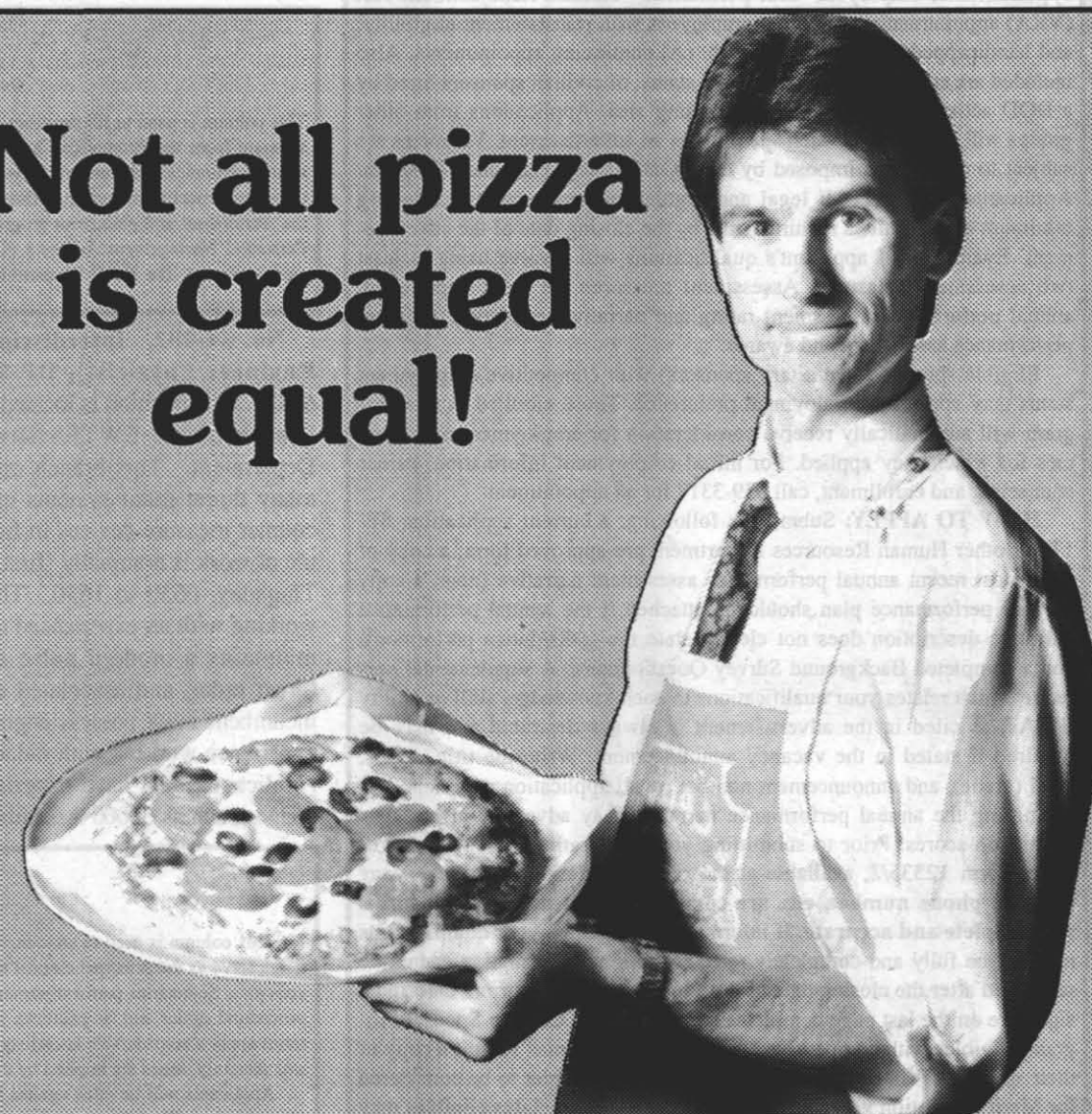
## Lifeguard course set

From April 1-4, the Morale, Welfare & Recreation Division's Sports Branch will offer a lifeguard, CPR & first aid course. Class will be held from 8 a.m. to 12 noon and from 1 to 5 p.m. at the Gymnasium. Cost is \$38 for military, \$40 for DoD and \$42 for all others.

On April 1, students will be instructed in CPR and first aid. If already certified in community CPR and first aid, they can miss the first day of class. However, the cost remains the same. Each student must be certified in first aid and CPR in order to pass the course.

For further information, call NWC ext. 2334/2571.

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# Sports

## NWC represented at SOUTH PAC darts tournament

Four China Lakers will represent the Naval Weapons Center at the Southern Pacific Sports Conference Darts Championships in San Diego this weekend. The four men are AMCS(AW) Al Hill, AMSC Anton Kiren, ABHC Gary Heaton and ATZ2 John Coon.

Senior Chief Hill noted he has been participating in dart games for seven years. He recently partnered with Chief Kiren in the Indian Wells Valley Dart Association tournament, where they earned fifth place. Kiren, who is relatively new to the game, has only been playing for a year.

Chief Heaton, who is a former member of the Rota Association Spanish American Dart League, has been competing in darts for the last eight years. While this is the first Navy competition for Petty Officer Coon, he has been playing the game for a number of years.

Sponsored by the Morale, Welfare & Recreation Division's Sports Branch, the four military members will compete against other military personnel from bases throughout Southern California.

Good luck guys, and accurate throwing!

## Skating classes offered

Roller skating classes are being offered throughout the year at the NWC Youth Center for children, age five and older, and adults. Instructor will be Annette Spencer, former artistic skating competitor. She is nationally certified by the Society of Roller Skating Teachers of America (SRSTA).

Registration will be taken through March 19 at the NWC Youth Center. Classes are as follows:

Advanced (all levels) -- 5:30-6:30 p.m., Tuesdays, March 19 through April 9.

Beginning Mid Level -- 6:30-7:30 p.m., Tuesdays, March 19 through April 9.

Intermediate Higher Levels -- 6:30-7:30 p.m., Wednesdays, March 20-April 10.

Adult Lower Levels -- 7:30-8:30 p.m., Wednesdays, March 20-April 10.

Intermediate Low Level -- 5:30-6:30 p.m., Thursdays, March 21-April 11.

Beginning Top Level -- 5:30-6:30 p.m., Fridays, March 22-April 12.

Students will practice what they learned in class from 6:30-7:30 p.m. on Thursdays and from 4-5 p.m. on Saturdays.

Cost, which includes four (one-hour) class meetings and a month of free open skating sessions are \$26 for military, \$29 for DoD and \$31 for all others.

For more information, call NWC ext. 2909, or Coach Spencer at 446-7317.



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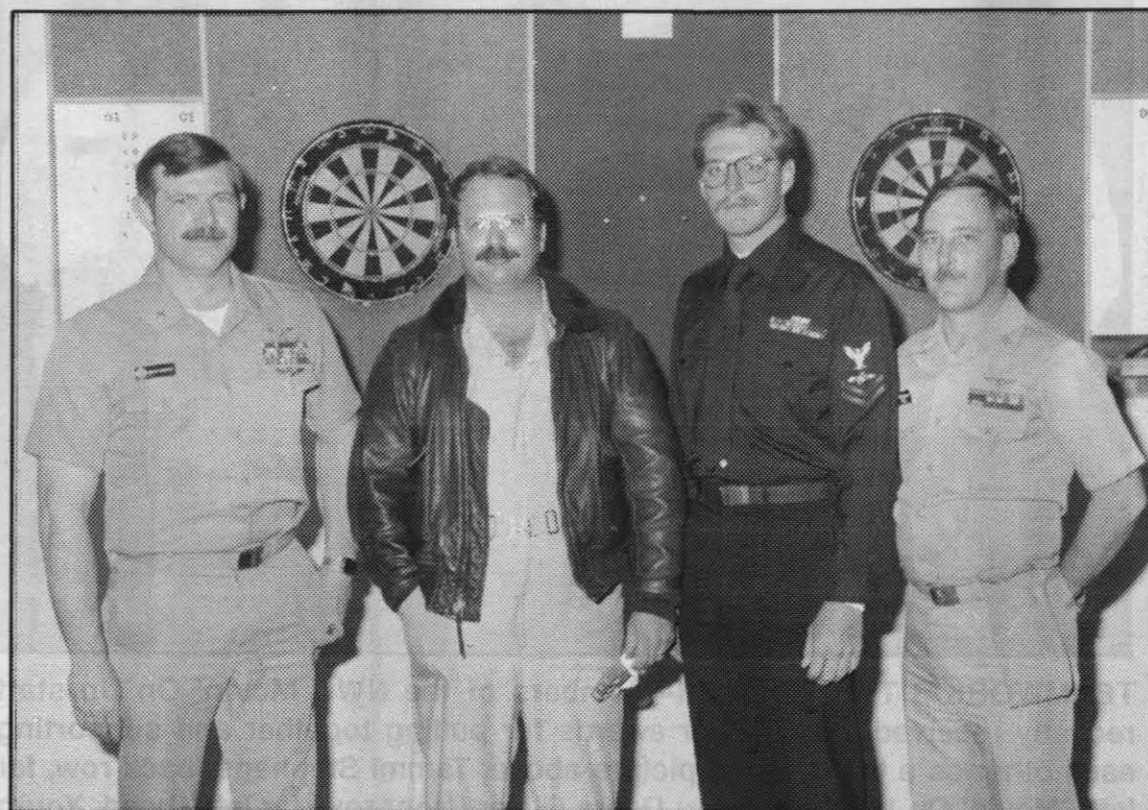
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**NWC REPRESENTATIVES -- (left to right) ABHC Gary Heaton, AMSC Anton Kiren, ATZ2 John Coon and AMSC (AW) Al Hill will represent NWC at the Southern Pacific Sports Conference Darts Championships in San Diego this weekend.** Photo by PH3 Cary Brady

## Deadline to join softball league is approaching

Deadline for entry and roster submission to NWC's Intramural Softball Organization is 4:30 p.m. on March 22. All fees and eligibility cards must be paid at this time. League play begins Monday, April 1.

For further information, contact Michelle Martin, NWC Gym manager, at NWC ext. 6542 or stop by the gymnasium today.

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## Tight security requires top flight training

Jeanette Roy, the new security education and assistance officer in the Safety and Security Department at the Naval Weapons Center has the mission of providing security training to all China Lakers. "Not only people who have security clearance, but people who don't have clearance need to receive this training," said Roy. "They need to know what constitutes classified material and rules for safeguarding it so they can do their job securely and efficiently."

One of the most efficient ways to make sure all employees receive required security training is through the annual security refresher briefings held in April, NWC's Security Awareness Month. The purpose of the annual refresher is to remind everyone of their security responsibilities and to bring them up-to-date on any changes to security policies or procedures. Because this training is mandatory, the Security Education and Assistance Office notifies supervisors of those who failed to attend.

In addition to the annual security refresher briefing, members of NWC's Security Education and Assistance Office coordinate specialized training for custody control points, security coordinators; supervisors; scientists, engineers and technicians; and clerical and administrative personnel.

Currently, Roy has been busy coordinating special security briefings on the terrorist threat conditions due to the Persian Gulf War.

The Security Education and

Assistance Office staff also prepared study and training materials. "We constantly research new and changed security regulations, read the latest security manuals and take classes so we can pass the most current information on to NWC employees," Roy explained. Assisting in the office is security specialist Lyn Wilson.

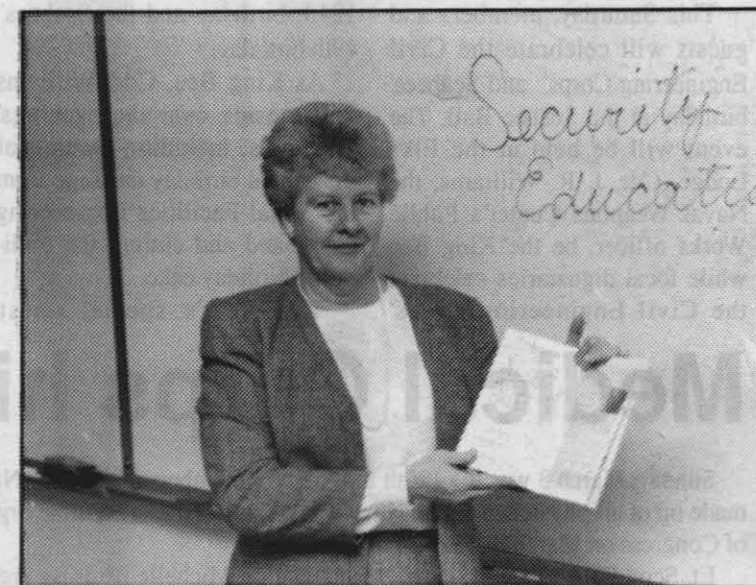
In the security field full time since 1977, Roy has had a wide experience in security. "I was a developer and instructor for the Naval Intelligence Service Mobile Training Team Pacific in San Diego prior to coming to China Lake," she said. "Before that, I worked as a command security manager and security officer at Supervisor of Ship Building Conversion & Repair, USN, San Diego, for six years. I was also an assistant special secu-

city officer in the San Diego area."

A former member of the Women's Army Corps (WAC), Roy enjoys scuba diving, reading, theater, travel, music and wheel pottery. At one time, she even crewed for a hot air balloon. A future goal is to learn how to cross country ski.

Roy's son, Rob, still lives in San Diego.

"The Security Education and Assistance Office wants to meet the security needs of the people at NWC," Roy said. "If anyone would like us to provide special security briefings for their code, or have questions on security education, we will be more than happy to help them, all they have to do is call." Roy and Wilson can be reached at NWC ext. 2661.



**NEWCOMER--Jeanette Roy may be new to the desert and the Naval Weapons Center, by the security education and assistance officer is a veteran security specialist.** Photo by PH3 Cary Brady



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## Seabees, engineers celebrate

This Saturday, members and guests will celebrate the Civil Engineering Corps' and Seabees' birthday at the Seabee Ball. The event will be held at the Elks Lodge. Cdr. J. R. Williams, the Naval Weapons Center's Public Works officer, be the King Bee while local dignitaries celebrate the Civil Engineering Corps'

124th birthday and the Seabees' 49th birthday.

As King Bee, Cdr. Williams will preside over the evenings' festivities, including reading of the annual birthday message from the Naval Facilities Engineering Command and cutting the traditional birthday cake.

This year's special guest

speaker is Capt. Irwin Shull, USNR, Retired. Capt. Shull is credited with establishing the Seabee unit at China Lake, Calif. back in 1954 and was the first commanding officer of the unit.

For dancing and listening pleasure, guests will be entertained by the U.S. Navy band, *Spirit*, from San Diego.

## Medical Corps hits 120th

Sunday, March 3 was the 120th birthday for members of the U.S. Navy's Medical Corps. This corps, made up of all physicians in the Navy was established as a separate organization within the Navy by an act of Congress on March 3, 1871.

Lt. Scott Fairbairn, Lt. Shawn Palmer and Lt. Michelle Birdseye are Navy Medical Corps physicians assigned to the Naval Weapons Center's Branch Medical Clinic. Fairbairn and Birdseye are general medical officers while Palmer is NWC's flight surgeon.

LCdr. Richard Titi, Clinic officer-in-charge, and a member of the Navy's Medical Service Corps, joined Lt. Fairbairn in attending a gala Medical Corps anniversary ball in San Diego last weekend. They were among the many representatives of Naval Hospital, Long Beach in attendance.

When Congress authorized creation of the Medical Corps 120 years ago, there were just 139 doctors serving in the Navy, most of them were ships' surgeons. Today the Corps is more than 3,000 doctors strong. The Navy's physicians can be found on duty on board ship, in the Persian Gulf and with Marine units inside Iraq, Kuwait and Saudi Arabia.

While the Navy Medical Corps itself is 120 years old this year, the tradition of having physicians embarked on U.S. Navy ships dates back to the Revolutionary War. Medical Corps reservists, noted Lt. Fairbairn, were among some of the first people recalled to active duty by the Navy when the buildup for Operation Desert Shield/Storm began last August, many of them are still on active duty today, having left private practice and their patients in the care of other physicians.

Today's physicians are continuing the long and brilliant history of the Navy Medical Corps

## DRMO bills surplus auction March 19

Local Auction 41-1267 of surplus government property will be held by the Defense Reutilization and Marketing Office at China Lake on Tuesday, March 19. The auction begins at 9:30 a.m. in Building 1073, Warehouse 41.

The public is encouraged to bid on the 222 items to be offered, including Graflex and Nikon cameras, lens, shutters, photographic developing and finishing equipment, hardware, electronics, PCs, books, recording equipment, pantograph, clean bench, tab paper, parachute canopies, wire and cable.

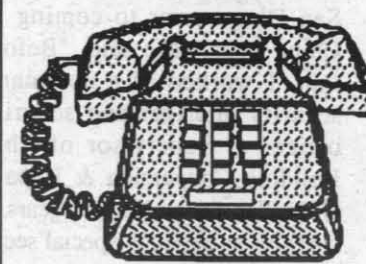
Items will be on display for inspection from 8 a.m. to 2:30 p.m. on Monday, March 18. Registration will begin at 7:30 a.m. on the day of the sale. Bidders must be present and registered to bid.

Because the Defense Reutilization and Marketing Office is located within NWC's interior security fence line, prospective bidders without an NWC pass must stop at the main gate visitor's center and obtain a pass before coming aboard.

For further details, contact Phyllis at Building 1073, Code 97, or call NWC ext. 2502/2538.

## CTS provides uniform voice communications

One of the major goals of the Center Telecommunications System (CTS) is to provide uniformity in voice communications throughout the Center. As many of you know, we currently have a conglomeration of switches throughout NWC that are connected to the Main Site switch in a number of different ways. This nonuniform connectivity makes it difficult to know exactly how to make a call from different locations on Center. For example, if you are at EWTES you must dial a '9' to get connected to the Main Site switch, then dial another '9' to make an off-Center call. If you are at Salt Wells, you must dial '9,' wait for a dial tone, and then dial another '9' to reach most other stations on Center or dial '99' to place an off-Center call. When the CTS is implemented, the dialing method used to reach any other phone on Center or to place an off-Center call will be the same, no matter where you are located.



The CTS switching system will consist of a Northern Telecom, Inc. Meridian SL-100 as the main switch. The Meridian is essentially a computer that will provide digital connectivity, via the FOTS, to eight remote switches at various population centers throughout NWC. The main switch and each of the remote switches will work together to give the appearance that all NWC phones are connected to the same switch. When you establish or receive a telephone call, you will not know which switches are talking to each other. In addition to making dialing easier, this transparency will allow flexibility in assigning directory numbers to telephones on Center and will allow changes to any phone's capabilities to be made from a central management center, thus eliminating the need for a technician to visit your office.

If you have any questions on this or any CTS topic, please call Nancy Guglielmo, Code 2712, NWC ext. 1157.

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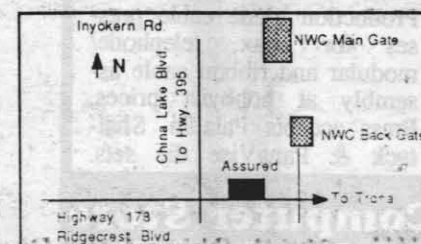
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**TEAMWORK'S THE ANSWER--**Members of the NWC Movin' On Up staff recently received team player awards for pulling together and supporting each other as a team. In the picture above, Tammi Stephens (back row, far left), Movin' On Up supervisor; Debra Oliver (front row, far left), head, Youth Activities; and Jim Bowen (far right), head, Morale, Welfare & Recreation Division, thank the staff for their efforts. Staff members are (front row, l to r) Tory White, Kim Savage, Tami Dickerson, (back row) Johnathon Sims, Jenni Beck and James Morrison.

## Support the troops! Shop at Crafterch!

Support our troops! The Crafterch Center currently has bumper stickers, patches and other miscellaneous items supporting Desert Shield. Hurry in today, they are selling fast! For more information, call NWC ext. 2346.



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## Spring dance planned

Spring is in full bloom at the Seafarer Club. Celebrate the changing seasons by attending the club's father/daughter, mother/son dinner dance on March 16. From 6 to 9 p.m., enjoy a spaghetti and pizza dinner with all the trimmings. Couples receive a free souvenir photo.

Cost is \$5 per child, 2-12 years of age, and \$6 per adult. Children two years old and under will be admitted for free.

Tickets are now available at the Youth Center, Children's Center or the Seafarer Club. Tickets purchased at the door are an additional \$1.

For further information, phone the Youth Center at NWC ext. 2909.

## Acquacise at NWC's indoor pool

Don't exercise, acquacise! The Morale, Welfare & Recreation Division is offering the water exercise program on Tuesdays and Thursdays in the indoor pool now until March 28 from 9 to 10 a.m. and from 6-7 p.m. This is a great program for swimmers and non-swimmers.

Monthly fees are \$16 for military, \$20 for DoD and \$24 for all others. Daily fees are \$2.50 for military, \$3 for DoD and \$3.50 for all others.

The Womans Center, High Desert  
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## Beyond Super Woman II

A half day conference on learning, understanding, and coping with family lifestyles in the 90's. This event will take place on Saturday, March 9, 1991, between the hours of 8:45 a.m. to 12:30 p.m. At the Kerr McGee Center. (Registration 8:00 a.m.) \$5.00 includes refreshments + 3 seminars.

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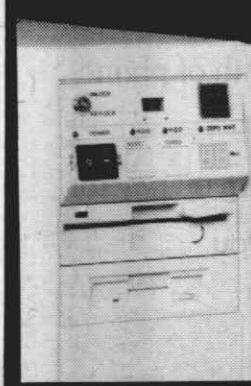


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## Wellness Corner

### How does atherosclerosis start?

Atherosclerosis is a complex process. Precisely how it begins or what causes it isn't known; several theories have been proposed.

Many scientists believe atherosclerosis begins because the innermost layer of the artery (endothelium) becomes damaged and, as a result, over time fats, cholesterol, fibrin, platelets, cellular debris and calcium are deposited in the artery wall. Gradually these substances build up and eventually narrow and block the artery, similar to scale forming on the insides of pipes.

Three of the possible causes of damage to the arterial wall are: 1) elevated levels of cholesterol and triglyceride in the blood, 2) high blood pressure and 3) cigarette smoking. Cigarette smoking is particularly potent in aggravating and accelerating the development of atherosclerosis in the coronary arteries, aorta and arteries of the legs.

Once cells in the artery wall are damaged, they may separate from the wall, exposing the tissue (collagen, smooth muscle and other tissue) underneath. Initially, platelets (elements in the blood that help form blood clots) stick to the collagen, which ultimately leads to the formation of plaque. Over time atherosclerosis increases, reducing the diameter of the artery. Eventually a blood clot may form at the site of damage, blocking the artery and stopping the normal flow of blood.

Scientists are studying other ways in which platelets may play a role in atherosclerosis. For example, platelets are involved in forming a group of substances called prostaglandins, one of which may damage arteries. Platelets also contain a substance called "platelet growth factor," which can stimulate the growth of smooth muscle cells. These cells are normally present in the artery wall, but their abnormal growth and proliferation is believed to be one of the earliest events in developing atherosclerosis.

One of the more recent theories suggests that plasma lipoproteins are trapped within the artery wall. When this happens and they increasingly accumulate, the oxidize, which leads to "modified" lipoproteins that are rapidly taken up by smooth muscle cells. This, in turn, leads to the formation of foam cells and the development of a fatty streak.

### BLOOD DRAW SCHEDULE 1991

March 7 & 12, CLPL, Bldg. 151, Room 10--contact Sandy Brown NWC ext 7417

March 8 & 13, Engineering Lab, Conference Room 2001AB

March 14, 15, 19, 20 & 21, Michelson Lab, "Little D"

PHYSICAL FITNESS ASSESSMENT SCHEDULE:

March 11 & 12, Armitage Field, Para Systems Bldg., 20210

March 13, Public Works, Aerobic Dance Room

March 14, Thompson Lab, Bldg. 31433, Conference Room

March 18, EWTES, Fire Station--call Bret Jacobson for appt., NWC ext. 3571, ext. 315

March 19, CLPL, Bldg. 115--call Sandy Brown for appt., NWC ext. 7418

March 20 & 21, Seafarer's Club

March 25-29, Michelson Lab, B/C Conference Room

April 9-11, Branch Medical Clinic, physician attended

The easiest way to make your appointment for a blood draw or fitness assessment is by computer. Simply go to any computer or terminal connecting to the SCFC VAX. If you have access to another VAX on the network, log on and type "set host scfc". Once connected to SCFC, "user name" will appear. Type in "Wellness" and follow instructions. If you do not have access to the SCFC VAX, call NWC ext. 2468 and leave a message giving your name, extension, code, and the date, place, and time you want your appointment.

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**PAUL TRACEY**, also known as *The Great Briton*, will perform a concert of songs and stories of England, Scotland, Ireland and Wales during WACOM's March 12 luncheon meeting in the NWC Seafarer Club. The event opens with social hour at 11 a.m. with lunch and the program following. Tracey can trace his father's side of the family tree to the Battle of Hastings in 1066; on his mother's side, he is connected to the rich heritage of the Scots. To make luncheon reservations place call 375-9600.



PAUL TRACEY - THE GREAT BRITON

## New waste oil storage facility

Two railroad cars, previously used to store waste oil from activities throughout the Center, were removed January 25th from the propane farm on Sandquist Road. The Environmental Projects Office (Code 008) developed a new waste oil storage area on Iwo Jima Road in October of 1990. The new storage area includes four double-walled tanks with a surrounding containment system. Waste oil from activities throughout the Center is now picked up by Public Works (Code 26) and brought to this new storage area. A recycling contractor periodically

removes the waste oil and transports it for recycling and proper disposal.

The previously used railroad cars were overfilled causing oil to spill and contaminate the surrounding soil. Before removal, the railroad cars were rinsed and cleaned out. Public Works then removed the railroad cars and delivered them to the Defense Reutilization Marketing Office facility on-Center.

The contaminated soil in the area surrounding the former site of the railroad cars will be removed soon and disposed of properly.

## NWC becomes 'Silver Sponsor' at SHPE's annual conference

Thanks to the Intercept Weapons Department, the Naval Weapons Center was once again a Silver Sponsor at the Society of Hispanic Professional Engineers (SHPE) annual career conference. This year the conference, the 13th annual, was held in Los Angeles.

NWC was represented by members of the China Lake

SHPE chapter.

More than 1,800 science and engineering students participated in the career conference and job fair. The job fair is used by NWC's Junior Professional and Co-Operative Education program to attract applicants in pursuit of the Secretary of the Navy's 1992 Affirmative Action goals.

### Center Library provides many income tax forms

A variety of materials has been furnished to the Center Library by the Internal Revenue Service to help taxpayers prepare their federal income tax forms. Also available is the IRS publication 1132, which contains more than 90 reproducible tax forms that can easily be photocopied. For more information call the IRS office in Bakersfield.

### CLP radar schedule

Motorists on board the Naval Weapons Center (NWC) are reminded that China Lake Police (CLP) officers enforce state and NWC traffic regulations.

According to Kerry B. Swigum, traffic manager, CLP Operations Branch, areas of concentration for radar traffic enforcement for next week are listed below.

- Friday -- Richmond Road.
- Monday -- Burroughs Avenue.
- Tuesday -- South Knox Road.
- Wednesday -- Poteline Road.
- Thursday -- CLPL Road.

Violations may be cited at any time.

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# Washington Scene

## Ins and outs of 1992's Defense budget

WASHINGTON--Eighty-one weapon programs cut from the Defense Department fiscal 1992-1993 budget request will save the department \$11.9 billion in 1992. And if carried through fiscal 1997, the savings will total \$90 billion, a senior DoD official said.

According to DoD figures, a sizable savings over the six-year defense plan comes from terminating the Navy's A-12 medium attack aircraft, \$22 billion; the Navy's F-14D fighter remanufacturing program, \$14.8 billion; and the Air Force's F-16 fighter, after 1993, \$15.4 billion.

Programs the official said will be terminated include:

- Bradley fighting vehicle (Army);
- P-7A anti-submarine patrol aircraft (Navy);
- Naval advanced tactical fighter;
- Air Force advanced tactical aircraft;
- Peacekeeper ballistic missiles (Air Force);
- Mark XV aircraft identification system (Army/Air Force); and

•Boost Surveillance and Tracking System (Air Force).

Following DoD's acceptance of the 18th Trident ballistic missile submarine, funded by Congress in 1991, the program ends. Any more ships would exceed numbers agreed to under the Strategic Arms Reduction Talks.

The Strategic Defense Initiative has been refocused to develop advanced defensive technologies. The current budget requests \$4.6 billion for SDI in fiscal 1992 and \$4.9 billion in fiscal 1993.

The Army's modernization program is nearly complete, continued the DoD official. A funding request totaling \$1.7 billion for fiscal 1992 includes the Single Channel Ground and Airborne Radio System (combat radio net), the light helicopter, the Apache Longbow (fire control/missile system), 60 UH-60 Black Hawk helicopters and 1,800 medium tactical vehicles.

The navy will get only one SSN-21 attack submarine per year. Other naval modernization priorities for fiscal 1992

include five Aegis destroyers, 36 F/A-18 Hornet fighter aircraft and several types of tactical missiles.

Fund requests for the Air Force's tactical program include C-130 air transports, advanced medium-range air-to-air missiles and 48 F-16D Falcon multimission fighters. The advanced tactical fighter continues in development. The Air Force request will contain only six C-17 airlift aircraft for fiscal 1992 and 12 for fiscal 1993.

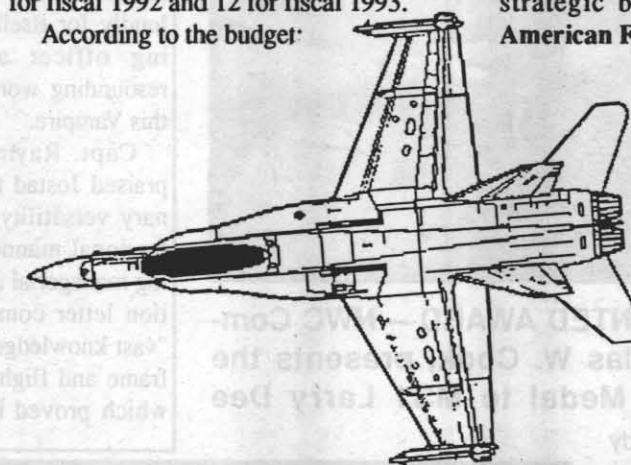
According to the budget:

•Air Force F-16 production will end after fiscal 1993.

•The Navy has purchased enough LHD amphibious assault ships to meet requirements.

•Restructuring the joint service Milstar satellite program will reduce costs, eliminate certain features and support both tactical and strategic requirements.

•The Air Force will get four B-2A strategic bombers in fiscal 1992. By American Forces Information Service



## Cheney lifts freeze for severely disabled

WASHINGTON (NES)--Department of Defense hiring practices is like a shining star among government agencies when it comes to employing disabled workers, and that's the way Secretary of Defense Dick Cheney likes it.

Cheney recently exempted

severely disabled persons from DoD's hiring freeze and encouraged military services and DoD agencies to hire more of them.

Last summer, DoD's civilian work force included 12,136 employees whose disabilities had been targeted for increased hiring emphasis by the Equal Employ-

ment Opportunity Commission. The disabilities include blindness, deafness, partial or complete paralysis, mental retardation, mental illness, seizure disorders, missing extremities and deterioration of limbs or the spine.

The Defense Manpower Data Center in Monterey, reported

DoD had nearly 60,500 disabled veterans on the payroll in September 1990. The Army had 23,309; the Air Force, 17,280; the Navy and Marines, 15,698; and other DoD activities, 4,146.

DoD's equal opportunity office compiled a list of 300 college students with severe disabilities for

possible employment with the department. Information on candidates is available to military services and DoD activities by sending a facsimile request to 1-703-696-5338 or writing to Disability Recruitment Program, Code 006, David Taylor Research Center, Bethesda, MD 20084.

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## NWC's Haws awarded

Being in charge of feeding more than 200 personnel is no easy task, but when one of your two buildings has to close unexpectedly, disaster can strike. But thanks to the professional

NWC since January 1990. He received his first Navy Achievement Medal while serving in Vietnam and has numerous good conduct awards, letters of appreciation and service medals.



**NWC SAILOR PRESENTED AWARD -- NWC Commander, Capt. Douglas W. Cook, presents the Navy Achievement Medal to MS1 Larry Dee Haws.** Photo by PH3 Brady

achievements of Mess Management Specialist First Class Larry Dee Haws, this potential disaster was diverted when the Naval Weapons Center's Main Gallery had to close for a time last year. For this feat and other accomplishments performed during his service as NWC's leading mess management specialist and division leading petty officer from March 1, 1989 to Oct. 1, 1990, MS1 was honored with the Navy Achievement Medal. The citation to accompany the award was signed by RAdm. R.H. Ailes, Commander, Space and Naval Warfare Systems Command for the Secretary of the Navy.

"Petty Officer Haws performed his duties in an exemplary and highly professional manner," reads the letter accompanying the award. "His many accomplishments included the emergency closure of the main galley, doubling the operational tempo of the annex galley, expertly managing over \$480,000 of operational and subsistence funds per year, modifying lease agreements to save \$12 thousand, initiation of a Preventative Maintenance System for galley equipment, and the design and implementation of numerous computer applications. His diligent efforts inspired all who observed him and contributed significantly to successful Center operations."

MS1 Haws joined the Navy in 1967 and has been stationed at

## Vampire's expertise rewarded

After seven years of cultivating technical skills and knowledge concerning the structural airframes of Navy attack aircraft, Aviation Structural Mechanic Second Class John D. Jostad received his first Navy Achievement Medal from his current duty station Air Test and Evaluation Five (VX-5).

"I was really surprised," chuckled the young mechanic, "but I couldn't have done it without a lot of people giving me a hand."

Well, although this is one modest sailor, his work speaks loudly for itself. His commanding officer also had some resounding words of respect for this Vampire.

Capt. Raymond A. Kellett praised Jostad for his extraordinary versatility, competent professional manner, and outstanding managerial abilities. The citation letter commended Jostad's "vast knowledge of the A-6E airframe and flight control systems which proved invaluable in the

timely return of much needed CNO project assets to a fully



**AMS2 John D. Jostad**

mission capable status. Demonstrating exceptional initiative and dedication, he supervised the removal, replacement and rigging of both outer wing panels in minimal time resulting in the successful completion of squadron mission objectives."

The aviation mechanic joined the test and evaluation squadron in October of 1988. He is responsible for the structural repair of aircraft, flight controls, landing gear and hydraulics systems. He thoroughly enjoys working on the multiple type of aircraft which makes VX-5 such a unique testing facility. Although his primary aircraft is the A-6, he still must keep up on the EA-6B, F/A-18, AV-8, A-7, and A-4 aircraft. "Shore duty is quite a bit different from the fleet. It's a little more like riding a roller coaster, there's lots of peaks and valleys," commented Jostad.

Due to rotate in October of this year, he, his wife, Cindy, and daughter, Danielle, hope to go overseas for their next tour.

## Vampires receive Navy Achievement Medal for valiant efforts

Aviation Maintenance Administrationman Second Class Michele L. Hiatt makes no bones about telling it like it is. "I'm good at what I do!" simply stated Hiatt. Her previous commander of the Patrol Wings, U.S. Pacific Fleet, NAS Moffet Field, Calif., certainly agrees with this assessment of her work performance. She was recently presented the Navy Achievement Medal from her former squadron by her new command, Air Test and Evaluation Squadron Five (VX-5).

The young petty officer was hailed by the patrol squadron for her exceptional managerial expertise and organizational ability while serving as data ana-

lyst for Patrol Squadron Nine. She was also recognized for her contributions while TAD to the Patrol Wing Ten Technical Library, which serviced eight different squadron libraries for technical directives on aircraft. "Displaying unmatched leadership and outstanding initiative, she spearheaded and directed an exhaustive review of the Patrol Wing Ten Technical Library, thereby establishing a model library for all patrol squadrons," read the citation letter.

"The wing had an inspection team that would go around and verify that each of the libraries were following established guidelines. Wing Ten, was the wing's central library, which

meant they set the standards for all the other libraries. So, I went in to ensure the model library was in perfect order to judge the others against," commented Hiatt. She was also part of the inspection team that checked the other libraries.

The eight year service member now finds herself tackling the Central Library for VX-5. She joined the Vampire team only three short months ago and it appears with the multiple types of aircraft the AZ certainly has her hands full. But the challenge of it all is what makes the Navy her chosen career. "I love the Navy and the positions of responsibility I am able to hold," said Hiatt.



**HARD WORK PAYS OFF--AZ2 Michele Hiatt proudly accepts her Navy Achievement Medal from VX-5's XO, Cdr. John Voshell.**

Sometimes good things have a way of finding us, even when we end up in the middle of the desert. Just talk to Chief Aviation Electrician's Mate (Aviation Warfare) John T. Sewell. After arriving at Air Test and Evaluation Squadron Five (VX-5) only two months ago, his previous command, VAQ-132 in Whidbey Island, Wa., made sure the Chief was presented with a Navy Achievement Medal for exceptional performance while attached to the fleet squadron.

While part of the EA-6B squadron, Sewell was both division chief and flight deck coordinator. Most of his time was consumed on the flight deck of an aircraft carrier, where all the action is. "It's a real close environment where you really need your head on tight for survival," said Sewell, "planes are turning,

launching and taking off. It's the kind of challenge that makes me look forward to going to work everyday." As the flight deck coordinator Chief Sewell was responsible for making sure all aircraft systems were ready to go so pilots could complete sorties safely.

The commander of the Tactical Electronic Warfare Wing commended Sewell for his "flawless performance as flight deck coordinator while embarked on the USS *Saratoga* during advanced phase operations which contributed to a ninety-seven percent sortie completion rate." Chief Sewell was also praised for improving the squadron's trend analysis program when he implemented an automated tracking system that saved numerous man-hours of trouble-shooting.

Now attached to VX-5, as the aviation electronics division chief, he is responsible for maintaining all electrical systems and discrepancies for eight different types of aircraft. When comparing fleet and shore stations he commented, "the pace on shore is not quite as fast as the fleet, but at VX-5 you're dealing with several different type of aircraft rather than one, which adds a new dimension."

The career Navy sailor and his wife, Sandra, prefer the desert life to the cold and rainy weather found in Whidbey Island. He also finds the people of California much more open and friendly. "I'm really impressed with how open people in the Valley are. It's a real nice change." The couple have two children, Tamme and John.



**VX-5 NEWCOMER RECEIVES NAM --AEC (AW) John Thomas Sewell is presented the Navy Achievement Medal (NAM) from Executive Officer, Cdr. John Voshell.** Photo by PH3 Bushey

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