



# On October 15th, Apple Computer introduced the most affordable Macintosh products ever.

*"We've raised the standard of what customers can expect from low-cost personal computing."*

*John Sculley  
Chairman and CEO of Apple Computer*

On November 8th you will have the chance to see Apple's new low-cost Macintosh products for yourself. Come and share in the excitement!

**Date:** November 8, 1990 **Place:** Michelson Lab Room 1000D

**Times:** 09:30-11:30  
&  
13:00-15:00

**Speaker:** Richard Schlein, Systems Engineer with Apple Computer.

**Special Guest:** Joe Lalor of SAIC will be on hand to discuss Macintosh integration with the Cray and other supercomputers.

For more information call the PC Lab at ext. 6631

Macintosh Classic

Macintosh LC

Macintosh Plus

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	Max	Min	Peak Gusts
Thurs.	90	43	12
Fri.	89	67	12
Sat.	---	---	---
Sun.	90	41	18
Mon.	85	44	23
Tues.	82	46	20
Wed.	78	44	26

### China Lake's 911 calls now routed through KCSO

As of 8 a.m. on Nov. 1, all China Lake 911 calls for police and fire will be routed through the Kern County Sheriff's (KCSO) Department Communication Center in Bakersfield. The KCSO dispatcher will forward all China Lake police and fire calls to the police dispatcher for response, causing only a minimal delay in the call being received locally.

This procedure will be in effect until the rehab of the China Lake Police Division's building is completed, which is expected to be in the middle of next year.

### George AFB hosts Thunderbirds and air show Nov. 11

GEORGE AFB -- The 831st Air Division "Salutes the High Desert" on Nov. 11 when George Air Force Base opens for Community Day at 8 a.m.

The Thunderbirds, the Air Force's official aerial demonstration squadron, will give an arrival show at 9 a.m. and a special performance at 2 p.m. Community Day also features the "Wings of Blue," the U.S. Air Force Academy's parachute demonstration team, which performs at 1 p.m.

Visits are invited to view the different Air Force aircraft on display. Featured will be the Air Force's newest jet, the F-117 stealth fighter. Also scheduled for display are the F-16, Fighting Falcon; F-15, Eagle; F-4 E & G, Phantoms; A-10, Thunderbolt and the Navy's F-18.

# NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLV, No. 44, November 2 1990

## New controls boost productivity

Code 36's Product Assurance Laboratories make good use of statistical process control ideas

Statistical process control works for the Printed Wiring Board Laboratory in the Naval Weapons Center's Engineering Department. Roger Nickell, head of the Product Assurance Laboratories and Jerry Hopper, section head for the printed wiring board lab, say process controls have greatly enhanced quality and productivity since being implemented over the past two years.

Not only have process controls helped, but increased automation of processes has made a measurable difference in the time it takes to turnout the quality workmanship Nickell and the branch members pride themselves on. Where it used to take five weeks to get delivery of a plated through-hole printed wiring board, today the job can be completed in just two weeks. Multi-layer boards are part of the same success story. Statistical process control,

automation and new precision tools have cut the average time for a multi-layer board from six weeks to two to three weeks. And, in special cases, a just a matter of days.

Nickell said the lab has dramatically changed in the past two years. In addition to improvements already mentioned, a new press has been installed to quadruple the capacity of multi-layer boards. New inner layer registration equipment has corrected layer-to-layer registration problems and increased the number of layers possible. Seven separate inspections during the process help ensure quality is built into each board produced for a customer.

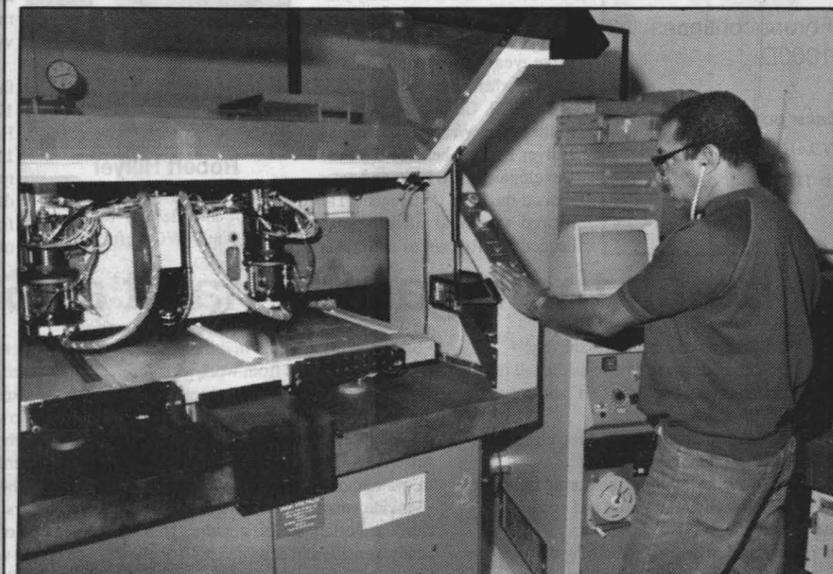
Customers from throughout the Center can have prototype printing wiring boards made by Code 3684. Nickell noted they do standard plated through-hole boards, flexible circuits, flush boards and other special types of circuits

as well as the multi-layer product.

Customer satisfaction is important to Nickell, Hopper and the 10 people working in the branch. Because it is so important, Nickell noted they gladly offer tours and training for junior professionals and other circuit designers who can benefit from a better understanding of how the boards are manufactured. By providing this service to customers, who are also suppliers of the artwork boards are based on, Nickell hopes to reduce the errors made by new designers who submit work to the Printed Wiring Board Laboratory.

The group exists to provide prototype printed wiring boards allowing Center project to prove designs in a timely manner. "we provide the hardware for projects in need of printed boards," commented Nickell.

(Continued on Page 6)



**HIGH-TECH TOOL**--Lenny Coates of the Printed Wiring Board Laboratory programs a computer-controlled router to make precise cuts in material for a printed wiring circuit board. Photo by PH3 Cary Brady

### Congress ends lump-sum pay at retirement

November 30 is the last day for most federal government employees to retire and qualify for the lump-sum pension benefit. Starting December 1, this popular retirement benefit will be suspended for at least five years for all but a handful of employees.

Congress dropped the lump-sum option as part of the budget reconciliation act approved last weekend, but did extend the ending date from the end of October until November 30.

Under new rules for those who exercise this option during November the 50/50 lump-sum payments will be made 12 months apart.

Before the rule change retirees got their first payment a few weeks to a few months from the date of retirement and the second (Continued on Page 9)

## Second Hays Award won by T. Kuhlman

Terry Kuhlman was named the second recipient of the Burrell W. Hays Award for Production Support, while three other members of the Naval Weapons Center's Engineering Department received the Golden Rung Award during a luncheon last week.

Burrell W. Hays, former NWC technical director, and for whom the award is named, called a very

surprised Kuhlman to the platform to accept the prestigious award. "I can't believe this," said the flustered recipient. "I'm not sure how I got here without realizing what was happening, but I thank you very much. It's quite an honor."

According to the nominating letter, signed by Joseph R. Oliver, acting associate department head,

Kuhlman has been associated with programs such as Sidewinder, Sparrow, Harm and Phoenix since coming onboard in August of 1976. He currently works in the Quality Assurance Branch, Product Assurance Division.

"Terry has demonstrated skills in areas of contract management, configuration management, prod-

uct assurance, productability and technical management," read the letter.

In 1983, Kuhlman assisted Raytheon on transitioning both the Sparrow 7M and Sidewinder 9M into production. His contributions were recognized by both Center management and Naval Air Systems Command Program (Continued on Page 8)

## China Lake Calendar

- Mon. Nov. 5  
... WACOM Thirt Shop Toy Sale
- Tues. Nov. 6  
... NWC Supercomputing Forum continues 1-3 p.m., Michelson Lab Room 1000D
- Wed. Nov. 7  
... IEEE videoconference - *Computer Simulation: Engineering the Future*, 8:30 a.m., Carriage Inn.
- ... Holiday Traffic Safety Seminar, Nov. 7 & 14, 2 p.m., NWC Theatre.
- Fri. Nov. 9  
... Marine Corps Ball, Seafarer Club
- Tues. Nov. 13  
... NWC Supercomputing Forum continues 1-3 p.m., Michelson Lab Room 1000D
- Wed. Nov. 14  
... AIAA lunch meeting, Hideaway, 11:30 a.m. Wing Cdr. Russell, RAF, guest speaker
- Tues. Nov. 20  
... NWC Supercomputing Forum continues 1-3 p.m., Michelson Lab Room 1000D
- Tues. Nov. 27  
... NWC Supercomputing Forum continues 1-3 p.m., Michelson Lab Room 1000D

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 Tuesday before Fridays publication.

## Wellness Corner

More than 300 people participated during this year's China Lake Challenge, noted Betty Miller, the Wellness Program coordinator. Held at Burroughs Field this past Saturday, the Challenge contained 16 events, with an additional eight satellite (held at other dates and times) events.

"This is a family event and I am encouraged to see children out here today. I trust by the end of the Challenge, you will realize you can improve your fitness level and have fun doing it," said Capt. Douglas W. Cook, NWC Commander, during opening

remarks. "Healthy employees contribute to productivity, efficiency and are better workers," he added. "Let the Challenge begin!"

Exact results of the Challenge (who won which event and how many points each code earned) will be published in next week's *Rocketeer*, said the Wellness Program coordinator. "In the meantime, I would like to thank the sponsors, coordinators, volunteers and the participants, themselves, for making this year's Challenge another success," concluded Miller. (See Challenge photos on page 15)

## Hillyer retires as TD at NOSC

Robert Hillyer, technical director at the Naval Ocean Systems Center (NOSC) in San Diego, retired on October 31. Hillyer, a former Naval Weapons Center technical director and former Director of Navy Laboratories (DNL), ended a 33-year Navy career with his departure at the end of last month.

He began this lengthy Navy association as an active-duty officer. He was assigned to the Naval Ordnance Laboratory, Corona for three years, then remained at Corona when he left active duty.

In 1970, Corona became part of the Naval Weapons Center and Hillyer became head of the Fuze Development Division and later headed the Fuze Department. The retired technical director also headed the Resources and Tech-



**Robert Hillyer**  
nology Office, was laboratory director and deputy technical director at NWC before being

named the Center's ninth technical director in 1977. He served at NWC until being appointed DNL in June, 1982.

During his lengthy career, Hillyer received several prestigious awards including the Ribicoff-Perey Award for Excellence in Civil Service Reform, the Navy Distinguished Civilian Service Award for his tenure as DNL and was granted distinguished rank in the Senior Executive Service by President Reagan in 1982.

China Lakers are invited to a farewell party for Hillyer on Nov. 17 at the San Diego Marriott Hotel. The luncheon is set for 11:30 a.m. Reservations are requested no later than next Friday, Nov. 9. Tickets are \$25 each; for details call your department office.



# ROCKETEER CLASSIFIEDS

NON-MILITARY PERSONNEL that wish to place Classified ads in the ROCKETEER will be charged, PER ISSUE, as follows:

Ads up to 5 lines.....	\$3.00
Ads up to 10 lines.....	\$5.50
Ads up to 15 lines.....	\$8.00
Ads up to 20 lines.....	\$10.00
Ads over 20 lines.....	\$10.00 & \$1.00 per line over 20 lines.

### CLASSIFICATIONS

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

**DEADLINE FOR ALL CLASSIFIED LINE ADS IS 4:30 p.m. WEDNESDAY - PRIOR TO FRIDAY PUBLICATION**

### 1 PERSONALS

WANTED: 1 set of golf clubs & bag. Reasonably priced. 446-7888.

### 20 RENTALS

2,000 sq. ft. house. 2BA. Seeking young NWC professional. 2 rooms for rent, willing to discuss terms. 371-1819.

2BR, 2BA, \$475/mo., \$300 dep. pool & jacuzzi in courtyard. Water/trash, basic cable paid. 375-7642. Furniture Available.

AVAILABLE NOW! SINGLE WIDE IN INYOKERN. Very clean, 1BR, 1BA, stove, refrig., natural gas, swamp cooler, fenced yard. \$300/mo. + \$300 dep. 375-1439.

AVAILABLE NOW! SINGLE WIDE MOBILE HOME in China Lake Acres, very clean, 2BR, 1BA, stove, refrig., natural gas, swamp cooler, fenced yard. \$325/mo. + \$375 dep. 375-1439.

FOR RENT: 2BR, 1BA MOBILE - \$500/mo., Sec. \$250. R/S/GD, fenced yard, washer/dryer hook-ups. Must See! Mrs. Kidwell, 371-1147.

NEAR BACK GATE - 2BR, 1BA, a/c, fp, \$415/mo. 615 E. Ridgecrest Blvd. 371-4784 or 375-9810.

U HAVE 2 PVT FURN ROOMS - Upstairs + BA, incl. all utensils, basic cable & phone. Share house and yard facil. Non-smoker. \$325/mo. Rosi, 446-6710.

### 30 SERVICES

CLOCK REPAIR: Guaranteed work. Specializing in antiques, grand father, cuckoo, anniversary & atmos. 375-5511, mornings & weekends.

HOUSE CLEANING - You want a beautiful clean home after your hard day at work. Call 371-1423, anytime, for professional and dependable house cleaning service with references.

### 30 SERVICES

PROFESSIONAL, EFFECTIVE SF-171's and resumes written and laser printed. All work customized to your career needs. Call Written Images for appointment. 375-6443.

WINDOW TINTING  
Stop interior fading. Quality work. 5 year guarantee. City licensed. Call for free quote. 371-2511. 6:30 a.m. - 10:00 p.m.  
Collins Window Tinting

WINDOW TINTING - Auto, commercial and residential. Call Larry at 446-6612.

WOULD YOU LIKE YOUR HOME SPARKLING CLEAN? Call The Maid at 446-2599. Eves & weekends.

### 35 AUTOMOTIVE

'87 Mustang GT convertible, white, leather interior, remote alarm system, 42,000 miles. \$14,500. Call 446-7895.

YAMAHA YZ400. Fresh top end. Runs strong. Chest protector, Simpson helmet and boots. All for \$600/OBO. 446-1667.

'87 MUSTANG GT Convertible, white, leather interior, remote alarm system, 42,000 miles. \$12,250. Call 446-7895.

### 40 MISC. FOR SALE

COMPUTER - 16MHZ AT (286), 4 MEG. RAM, 2 floppy drives, 2 hard drives (40 meg., 20 meg.), mouse, 2s, 1p. Moving - MUST SELL. \$1700/OBO. 446-7592.

CANOPY SHELL - Fits Chevy & Ford midsize - \$150. 2 Dodge Colt bucket seats - \$15 both. Country style loveseat - \$30. Home made Pine entertainment center - \$85/OBO. 446-1012.

FOR SALE: 1/3 - 1/4 ct. marquis diamond, wedding set-appraised - \$2,000. Will sell for \$800. Trailer - good for hauling - make offer. 446-7440.

### 40 MISC. FOR SALE

FOR SALE: Must sell 1 couch and rocking chair - \$70/OBO; and 1 queen bed - \$60. Please call Bob or Star - 446-5405.

Having baby: Must Sell: GE heavy duty 18 washer. New motor; runs great - \$150 invested, will sell for \$100/OBO. 446-2890, after 5:00 Mon-Thurs, anytime Fri-Sun.

TANNING BED for sale. Like brand new, 6 month old, great for upcoming winter months. Contact Bob after 4:30 p.m. 377-4121, leave message.

### 45 GARAGE SALES

GARAGE SALE - 1 day only! Sat. Nov. 3, starts 8:00am. 409 Ashworth Place (on base).

GARAGE SALE - Sat. Nov. 3 only. Baby toys & clothes and household misc. 2000 block of Leyte. 2002 Leyte & 2006 Leyte.

GARAGE SALE - 2 family - 1416 Ticonderoga, (on base). Nov. 3, 8am - 12pm. Antiques, small refrig, freezer, baby items, clothes and other misc. Bargains galore!

GARAGE SALE - Sear microwave, color TV, two-story playhouse, clothes, esp. childrens, playpen, high chair, swing, misc. Friday and Saturday, 8-12, 1903 Bogue Circle.

MOVING SALE - 501 Burroughs. Sat., Nov. 3, 8am - 3pm. Lots of items!

YARD SALE - 309 Sellars Circle (on base). Fri. & Sat., Nov. 2 & 3, 8am - 7 No early birds.

YARD SALE - Fri. & Sat., 8 - 12. Nice adult and childrens clothes, toys and misc. household items. 312 Vieweg Circle.

YARD SALE - Nov. 3, 8am - 2pm, 500 Burroughs Ave (On base). Baby furn./furn., tupperware, military uniforms, diving gear, baby toys/toys. Much, much more.

### 45 GARAGE SALES

YARD SALE - Sat., Nov. 3, 1907 Bogue Circle (on base). 8am - 7 Lots of stuff.

### 50 PETS/SUPPLIES

FREE TO GOOD HOME - 2 yr. old Cocker Spaniel. Has shots. Licensed and neutered. 446-1012.

FREE TO GOOD HOME: One five year old female cat. She's been spayed and declawed in front paws. 446-5693.

MINIATURE DACHSHUND. ONLY 2 FEMALES LEFT. \$150/OBO. Male & Female parents on premises. If not home leave Message on tape. 375-7010.

### 55 REAL ESTATE

NEW ON MARKET  
VA Assumable \$5,000 down. Energy efficient 3BR, 2BA house, great location, plus extras. MUST SEE! 375-7929, leave message.

**For Advertising Rates And Information, Call 375-4481 And Ask For Advertising**

## Help a friend break the cigarette habit at Smokeout

Now that your friend has committed to quitting during the Great American Smokeout, Nov. 15, he or she is going to need a lot of support from you. So try to make the day as lighthearted and as much fun as possible. Preaching and scolding are counterproductive and not a whole lot of fun for your friend. So don't.

Instead, constantly reassure your friend that the urge to smoke will pass and he or she will make it. Encourage your friend and offer incentives. Remember, all's fair in love and war...and in the American Cancer Society's Great American Smokeout! Here are a few suggestions to help your

friend give up smoking to the day:

- With your friend's permission, tell other friends about the "adoption" and enlist their support.
- Make an extra effort to keep close contact by phone or in person.
- Be a calm, smiling, reassuring influence. Continually offer praise and encouragement.
- Agree to give up something that you dearly love, such as chocolate, soap operas, alcohol, coffee, soda pop, or candy bars, for the day while your friends give up smoking. It will show great support on your part.

- Show that you care by inviting your friend to ride to and from work with you; workout; go to a movie, the theater, a museum, the library, church, or wherever smoking is not permitted; go swimming; or celebrate by going out to dinner (and sit in the now smoking section).
- Provide your friend with a survival kit of carrot and celery sticks, sugarless gum and candy, pencils, and straws to hold or chew on.
- If you're an ex-smoker, share your experience rather than lecture on the dangers of smoking. What worked for you may work for your friend.

- Always remember to never nag, threaten, or criticize, especially if your friend slips and smokes.
  - Send flowers or balloons during the day or to celebrate on the day after.
  - At the end of the day say, "Congratulations!" Then tell your friend that in just six more days his or her body could be cleansed of nicotine, and he or she could be on the way to freedom from tobacco.
- After the Great American Smokeout, give your friend the *American Cancer Society's Smart Move* brochure. Call the American Cancer Society at 1-800-ACS-2345 for 31 days of stay quit tips.

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During Game Only  
**\$1 BEERS**

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**75° CHILI DOGS**

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**Saturday, November 3rd**

*Come Join The Fun with Blimpie Bear & The Dare Clown*

★ ★ ★ ★ ★ ★ ★ ★

From 11 a.m. - 2 p.m.

**Buy Any Bigger Bite 12"  
Sandwich, Get a 6"  
Sandwich for 99¢**

(Not valid with any other special  
or delivery orders)

**Kids Meals - \$1.59**

**It's National Sandwich Day!**  
25¢ donated to the Lukemia Society  
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**Blimpie** 1028 N. Norma  
446-6969 FAX 446-3867



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## USMC birthday festivities begin

Marine flying ace Colonel R. Bruce Porter will be the guest speaker at the Marine Corps Birthday Ball at the Seafarer Club on Friday, Nov. 9. The fun begins at 6 p.m.

Col. Porter started his military career by joining the U.S. Marine Corps Reserve for aviation duty. He was appointed an aviation cadet in 1940. After completing flight training at Naval Air Stations Pensacola and Miami, he was appointed a second lieutenant and designated a Naval aviator.

Following a tour in the Pacific, he became a fighter instructor at El Toro, Calif., and was later assigned to Cherry Point to form a night fighter group. He then served tours of duty in the VMF(N) 511 (first all-Marine Carrier Squadron) and VMF(N) 533. While serving with VMF(N) 533 in the Marshall-Gilbert Islands, he helped lead the squadron on the (then) longest over-water flight of World War II for a single engine aircraft -- flying from Engebi to Saipan-Iwo Jima, prior to the step off for Okinawa.

Col. Porter scored four Zeros and four probables at the Canal. His double night victory at Okinawa, making him an ACE, along with a Baka Bomb kill gave him a questionable total of seven. He was probably the only Marine pilot to gain two or more kills in both the Corsair and Hellcat. He became the fifth of merely six Marine night fighters to score a double or triple kill in one mission.

A published author, Col. Porter is one speaker who should fascinate his audience! Don't miss out. Invitations have already been sent out. Any former or retired Marine who would like to attend the ball, but did not receive an invitation, should call CWO2 Hargis at NWC ext. 6601.



Colonel R. Bruce Porter



**The  
Skipper  
Sez...**

**QUESTION**  
Civilian employee -- I would like to talk to you about the 1000D Lecture Center in Michelson Lab. I just came from the Soviet political lecture that was there. Once again, it's the same situation. The intelligence briefings and lectures like this always have very high attendance, standing room only. Generally, people know there is not a save seat policy, but there are still quite a few who still try to save seats and when the lights go out, there are empty seats that could have been utilized by people who had wanted to attend the lecture. I think it would be nice if there was a formal sign posted reminding people going in that it is a "first come, first served" basis to maximize the seating. Thank you.

**ANSWER**  
Thank you for your question. To address the problem with people saving seats at such events, the Protocol Office will post a viewgraph with the comment that seating is "first come, first served, no seat-saving." This viewgraph will be displayed anytime a high-attendance meeting is anticipated. Only you, the participants can solve the problem! Mutual courtesy and consideration for each other is a start.

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. 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.

## Military free day at Knott's

Service members and their families will be honored with a free day at Knott's Berry Farm on Veteran's Day, Monday, Nov. 12.

Retired and active duty military personnel need only bring military I.D. to Knott's ticket booths on Nov. 12 to gain free admission, along with their spouses and children ages 3 to 11. Children age 12 or older do need tickets, which may be purchased at a discount price from Craftech.

In addition to 165 rides, attractions, live shows, restaurants and unique shops, visitors will be able to enjoy Knott's newest attraction -- BOOMERANG! This high-speed, high-energy roller coaster turns riders upside-down six times in less than a minute and is sure to thrill the more experienced riders.

Children of all ages will adore a visit to Camp Snoopy, the famous beagle's official home.

Take advantage of this special day and treat the entire family. Offer is valid only for active duty, dependents and retired military. The park's hours on Nov. 12 are from 10 a.m. to 6 p.m.

## Medal given to former NWC operations officer

Former Airfield Operations officer and project pilot, Cdr., Phillip E. Souza II, (USN, Ret) was recently awarded the U. S. Navy Commendation Medal for exceptional leadership, technical expertise and meticulous attention to detail while serving at the Naval Weapons Center. Cdr. Souza began his final tour at NWC in December of 1989 and retired from his Naval career last July.

As head of Airfield Operations, Cdr. Souza was responsible for the safe air operations of one of the largest major research, development, test and evaluation field activities. Providing airfield support included monitoring the airfield, related facilities, air



**SOUZA RECEIVES MEDAL--** Cdr. Souza, former airfield operations officer, can't help but grin as Capt. Douglas W. Cook pins on his Navy Commendation Medal. The commander's wife Becky was there to congratulate her husband.



**HOW ABOUT RE-ENLISTING UNDERGROUND? --** Sound a little unusual? Well maybe just peculiar. VX-5's AZ1 (AW) Vince Hoium thought it was second nature, considering he is a volunteer member of the Indian Wells Valley Search and Rescue Team which specialize in underground and surface rescues. The Vampire re-enlisted for four more years in the Tungston Peak Mine, owned by local mining expert Dr. Carl Austin. VX-5's Lt. Maryann Cruz (who performed the ceremony), Hoium's wife Paula, Vampire personnel and members of the IWW Search and Rescue Team donned their underground attire for a re-enlistment they will never forget. Photo by PH1 Kraig Beck

# Chapel



## Books and Wells

A modern day parable tells us that "once upon a time, there was a man who wanted to search for deep wells. Before he set out to seek them, he thought it would first be wise to consult the great books that had been written on the subject of deep wells.

"The man read many books on the location of wells, the various shapes in which they could be found and the differences in depth which they possessed.

"One day, while he was strolling casually along, engrossed in his reading about wells, he failed to notice a large, deep well right in front of him. When he bumped into the rim of the deep well, his book flew from his hands and dropped quite far into the deep recesses of the well. The man, quite upset at the loss, frantically lowered a nearby bucket to retrieve his book, but his attempt was in vain.

"The man went away very sad that he had lost his book because he thought, without his book, how would he ever be able to find a deep well."

Strange how many people spend their lives searching -- sometimes desperately -- for the "best things" in places and in objects that either guarantee limited and temporary satisfaction, or in projects that ultimately bring to their moral and spiritual downfall the very people who have regarded them as desirable and fulfilling. Strange, too, how many times we pass by -- as if we were blind -- the simple, lasting, somewhat predictable and "ordinary" things of life, as we persist in gazing over the horizon in quests for "bigger and better" moments of personal enrichment and growth.

Author Robert Louis Stevenson once remarked: "The best things are nearest: breath in your nostrils, light in your eyes, flowers at your feet, duties at hand, the path of God just before you." There is great wisdom in the notion of "stopping to smell the roses:" the roses are there in abundance. It is the "stopping" that many of us find difficult to do.

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

## Retired officer honored

(Continued from Page 3)

terminal and air traffic control facilities; coordination of fleet requirements; providing Naval air training and operating procedures for pilot proficiency; along with forecasting and scheduling the daily flight schedule.

According to the nomination letter, Cdr. Souza was specifically cited for meticulous attention to detail and financial savvy which resulted in the flawless management of a \$3.5 million budget for over 40 Naval aviators in 13 different aircraft; implementing numerous initiatives to resolve increased flight operations despite a major turnover of experienced personnel. His innovative approach satisfied greater customer demand and simultaneously generated high morale, team spirit, and enthusiasm throughout the department; expertly conducting a productivity improvement analysis that resulted in a 30 percent increase in missions flown, coupled with a 40 percent reduction in missions aborted; and successfully coordinating two foreign detachments by the British and German military.

"Commander Souza consistently displayed outstanding leadership and managerial skills while providing strong direction for superb Airfield Operations" read the citation letter. Capt. Douglas W. Cook, base commander, congratulated and presented the commander with his medal and citation letter.

It's one holiday no one has to spend alone. The American Cancer Society's Great American Smokeout is celebrated each year by millions of smokers who try to quit smoking jut for 24 hours. Millions of nonsmokers join in by giving their support. If you're thinking about quitting smoking, you don't have to do it alone. Make Nov. 15 the day of the Great American Smokeout, a big holiday in your life!

## Pilot greeted with medal at NWC

Young Navy pilot Jeffrey Glen Thompson had good news follow him from his previous command to the Naval Weapons Center. The lieutenant, who has been at NWC since last July, met in the base commander's office recently to receive the distinguished Navy Achievement Medal. "I hope to see you in here receiving more awards in the future," commented Capt. Douglas W. Cook, who presented the medal and citation letter.



**GOOD NEWS FROM LAST COMMAND -- Lt. Jeffrey Thompson receives the Navy Achievement Medal from Capt. Douglas Cook, base commander. Happy to partake in the award presentation was the lieutenant's wife, Cheryl.**

Photo by PH3 Cary Brady

Thompson was recognized for superior performance as both Naval air training and operating procedures (NATOPS) and anti-surface warfare watch officer while attached to Attack Squadron 52, Whidbey Island Wa., from October 1987 to June 1990. "I was extremely pleased and surprised to receive this honored medal," said Lt. Thompson.

Praised for his role as NATOPS officer, Lt. Thompson developed a training library and lecture series which extensively prepared the squadron for NATOPS evaluations. He instituted innovative methods of tracking requirements and documentation for aircrew NATOPS qualifications. As anti-surface warfare watch officer, he consistently and effectively used all assets available to the battle group to maintain a comprehensive surface picture for the warfare commander.

"His diligent efforts inspired all who observed him and contributed to the successful accomplishment of Attack Squadron 52's mission," read the citation letter from the Secretary of the Navy. Lt. Thompson currently works as a project officer in the NWC A-6 Project Office. He flies A-6 aircraft and is the project officer for the E-250 Validation Project. He recently became qualified in the A-7 aircraft and looks forward to flying in both planes. "I really like it here, the work is very challenging and it's great to be back in the states after being in a fleet squadron."

A former engineer, the pilot finds the Navy challenging and a completely different lifestyle. He joined the service in August of 1984 and is originally from West Palm Beach, Fla. He and his wife Cheryl are enjoying the high desert way of life. "Its quite a change from Whidbey Island, but we're quite happy to be here!"



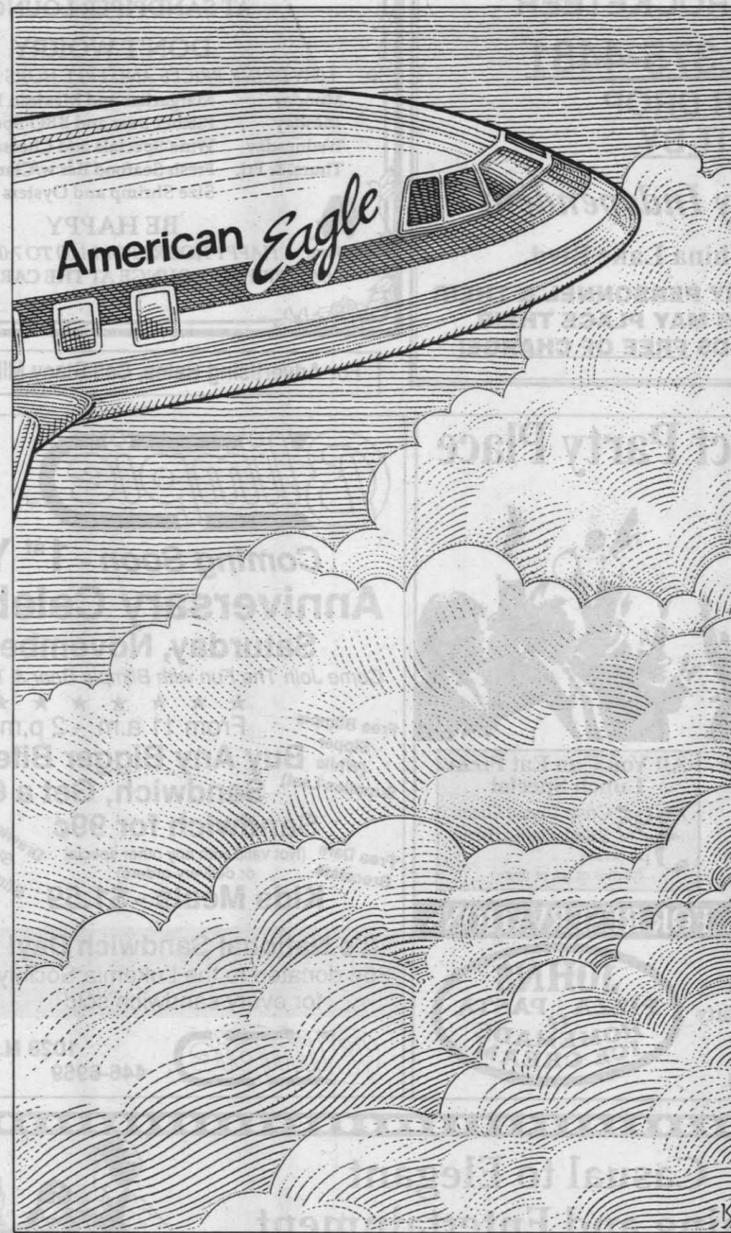
## Divine Services

<b>Protestant</b>	
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	11:30 a.m.
(September thru June)	
Men's Prayer Breakfast, East Wing, Thursday	6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday	7:00 p.m.
<b>Islamic</b>	
Jumaa Prayer (Friday at 1006 Blandy)	12 (noon)
<b>Roman Catholic</b>	
Sunday Mass, Main Chapel	9:00 a.m.
Daily Mass, Small Chapel	11:35 a.m.
Confessions Weedays	By appointment
Religious Education Classes (Sunday)	
(September thru May)	10:30 a.m.
1902 Dibb, 1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher	
<b>Jewish</b>	
(NWC ext. 2851)	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday at 1004 Blandy)	9:00-10:00 a.m.
Religious Education (Sunday at 1004 Blandy)	9:00 a.m.-12 noon

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Chaplain G. L. Goodman, LT, CHC, USNR  
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## Community Events

On Wednesday, the Ridgecrest Amiga Users Group (The Rag) will meet at 7 p.m. For more information, call Peter P. Eiserloh at 375-1517 after 6 p.m.

From Nov. 10 through Dec. 12, the *Many Moods of Owens Lake* will be depicted in paintings rendered in watercolor,

Proceeds from the dinner go to the Scholarship Fund.

Nov. 16, the Cerro Coso Choir will present their Fall Concert. Beginning at 7:30 p.m., the concert will be held in the Cerro Coso Lecture Hall. Tickets, may be purchased from members and at the door, will be \$3 for adults and \$2 for students.

Desert Art League's Festival of Sight and Sound Fall Art Show is set for tomorrow in the Kerr

McGee Center. The show is held from 10 a.m. to 5 p.m.

Bob Ferguson long-time member of the Naval Weapons Center's Missile Simulation Branch, will be the featured cello soloist in Camille Saint-Saens' *Romance for Violoncello and Orchestra, Op. 36*, by the Desert Community Orchestra on Sunday. Tickets are sold at the door.

On Nov. 3-4, the Indian Wells Gem and Mineral Society is

holding their 34th annual show and open house. Visitors are invited to watch demonstrations of arrowhead making and faceting. The event will be held on the corner of Ellis and Hussey streets.

Don't miss the **Super Christmas Toy Sale** Monday, Nov. 5, 8-12 noon at WACOM's Thrift Shop, NWC-54 Lauritsen Rd. Everything is **HALF PRICE** on Nov. 2 & 3 from 8-11 a.m.



**GENEROSITY IS APPRECIATED** --Iola Fields (left) and Fran Fields (right), members of the Women's Auxiliary of the Commissioned Officers' Mess (WACOM), show Louise Pankersley, a volunteer for the Navy Relief Society, the television, VCR and stand WACOM recently donated to NRS. The items will be used for NRS' young mothers' program, training and to entertain children while their parents are busy at the Navy Relief office. WACOM raised the money for the gifts through the Thrift Shop at the Naval Weapons Center. Photo by PH3 Cary Brady

## Professional groups at NWC

**AIAA meets on November 14 at Hideaway**  
Wing Commander Michael John Russell, Royal Air Force (RAF), will discuss *RAF's Fighter Aircraft* and the *ALARM Test and Evaluation* during the luncheon meeting of the American Institute of Aeronautics and Astronautics, China Lake Section on Wednesday, Nov. 14. The luncheon begins at 11:30 a.m., followed by the program at 12 noon at the Hideaway Restaurant in Ridgecrest.

WCdr. Russell will describe the United Kingdom's (UK) higher defence organization, including how UK weapons systems are procured. He will describe RAF's current equipment and its deployment, including what forces the UK currently has in the Persian Gulf. In addition, he will talk on the Air Launched Anti Radar Missile (ALARM) test and evaluation.

Currently Air Guided Weapons 46 (AGW 46) in the Directorate of Air Guided Weapons in the Ministry of Defence Procurement Executive in London. WCdr. Russell also holds the post of Officer Commanding Number 32 Joint Trails Unit (32 JTU) which is conducting service evaluation trials of ALARM at the Naval Weapons Center.

For reservations, call Jim Serpanos at NWC ext. 3663, or Gerry Thielman at NWC ext. 2877.

## IEEE hosting 38th Videoconference

*Computer Simulation: Engineering the Future* will be the topic of the next IEEE 38th videoconference. Set for Nov. 7, this informational video will be shown at the Carriage Inn. Registration will be held at 8:30 a.m., with the program being shown from 9 a.m. to 12 noon.

As today's industry leaders are relying on computer simulation as the most cost-effective method for trying out new ideas, trends in the 1990s continue to project simulation becoming one of the most expanding fields of engineering. With the speed and computational power of supercomputers, it is now possible to create high-performance computing environments which allow users to perform "make and break" electronic prototyping prior to hardware fabrication.

Cost is to attend this videoconference is \$3 for IEEE members and \$5 for non-members. NWC employees who would like to have the Center pay attendance costs should submit a NAVWPNCEN Form 12410/73 via department channels to Code 224 no later than Oct. 26. For more information, call Henry Blazek at NWC ext. 1370.

## NEX's holiday catalogs available

Just in time for the holidays, the Navy Exchange (NEX) has received its Holiday Gifts and Irresistible Gifts catalogs.

The Holiday Gifts Catalog features many types of jewelry, name-brand watches, fashions and accessories for the entire family and gifts of vision and sound. The Irresistible gifts catalog highlights the popular fragrances of the season.

## Traffic safety:

*China Lakers offered free seminar on holiday driving by Code 2405*

Naval Weapons Center personnel, civilians and military, will again get a chance to hear a free traffic safety presentation before the holiday season, on November 7 this year. For the last several years, motor vehicle mishaps have accounted for approximately 60 percent of the accidental deaths of Navy personnel. Motor vehicle accidents, with the accompanying injuries and fatalities, as well as drunk driving arrests, increase dramatically around this time of year -- the holiday season. Many people have already begun to plan for holiday travel. Whether traveling

a long distance to visit relatives, or just driving across town to a party or shopping -- make safety an important part of your family's travel plans.

To better prepare you for some of the dangers we all face while driving during the holiday season, the Safety Program Office (Code 2405) is presenting a *Holiday Traffic Safety Seminar* on Nov. 7 and again on Nov. 14. Identical seminars will be running on each scheduled date. Sergeant Gary Goldy from the California Highway Patrol will be presenting an informative discussion focusing on drunk driving, seat belt safety

and highway fatigue. The seminar will be held at the Center Theatre beginning at 2 p.m.

The holiday season should be a time of joy and celebration, of giving and receiving, of being with loved ones. Unfortunately for too many, this time of joy becomes a time of tragedy and sorrow because of a motor vehicle accident. Our greatest gift during the holidays is life and health. Know how to be a safe driver -- and be the safest driver you know. Plan on attending this year's *Holiday Traffic Safety Seminar*. It could be the most important meeting ever.

## Housing says...

Housing says... In an effort to best utilize current Housing inventory, all reporting military personnel are encouraged to accept assignment to government quarters. Also, personnel living in quarters must receive approval before vacating to move to the community. A special Authorization Chit must be submitted through the Chain of Command. Following approval, an Intent to Vacate Notice must be filed at the Housing Office and all appointments scheduled to clear quarters.

Please contact the Housing Office for any specific information you may need.

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microLaser	List	Sale
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PostScript PS35	2849	2095
AppleTalk interface	145	99

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# MWR UPCOMING EVENTS



- Friday, November 2nd
  - Sign-up for a Dry Flower Arrangement Class-X3252
  - Catch of the Day-Fish, Seafarer Lunch Special
- Saturday, November 3rd
  - King & Queen Bowling Tour. • 1:00 p.m. • Hall Lanes
  - Matinee, NWC Theater, 2 p.m., NO MOVIE
- Sunday, November 4th
  - Open Roller Skating, Youth Center, 1-4 p.m.
- Monday, November 5th
  - Grilled Steak/Chicken • 11 a.m. to 1 p.m. • Seafarer
  - Monday Nite Football, O'Club & CPO Lounges, 5 p.m.
- Tuesday, November 6th
  - CRAFTCH Daytime Classes-Sign-up Today!
  - BINGO MADNESS-Seafarer, 7:00 p.m. X2581
  - Tips and Noodles, Seafarer Lunch Buffet
- Wednesday, November 7th
  - Mid-week stress? Come play 18 at the Golf Course!
  - Call for Information on "Jazzercise" X6542
  - Chicken Fried Steak, Seafarer Buffet
- Thursday, November 8th
  - Seafarer Lunch Special-French Dip
  - Holiday Ceramic Greenware has arrived at CRAFTCH!
  - Taco Bar, Seafarer Lunch Special

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## Technical director foresees good future prospects for China Lake

Naval Weapons Center Technical Director William B. Porter, predicted "a good future" for the Center, despite mounting pressures for cutbacks in defense spending.

Porter, in remarks to a luncheon meeting of the Society for Technical Communication's Sierra-Panamint Chapter, cited abundant land and air space, affordable housing, and a nearby source of geothermal energy as factors working in NWC's favor.

Porter, named technical director a year ago, told members of the STC chapter NWC comprises one million acres of land (some 38 percent of all U.S. Navy land) and has the advantage of spending 30 percent less for energy than sister Navy installations because of proximity to the Coso geothermal plant. Porter also said NWC can provide "relatively cheap" housing for personnel and dependents because housing costs are less than at other Navy facilities in pricier coastal areas.

Porter, who began his NWC career in 1953 as a junior professional, declined to speculate on the likelihood that other Navy or defense facilities will be consolidated with NWC. But he said there are "lots of studies going on" and he felt "positive that China Lake has a good future." by David Jonta

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## Printed wiring boards benefit from new statistical controls

Commitment to quality and emphasis on customer service explained

(Continued from Page 1)

Nickell also provides printed wiring board troubleshooting and consultation services to project offices when they have problems with board manufacturers or encounter design problems. Among the goals of Nickell's branch is helping project offices design better circuit boards that conform to military standards and will work as intended.

Improved controls, a commitment to quality and an emphasis on service to the customer have made

the Printed Wiring Board Lab more efficient and cost-effective than ever. The in-house capability at NWC means there is less need for projects to seek prototype wiring board service off-Center. Costs are down and productivity is up; and Nickell is confident the code's service and quality will continuously improve through better process controls.

For more information on capabilities or to arrange a tour call Nickell or Chris Rios as NWC ext. 1828.



**NEW EQUIPMENT --** Colin Collins registers inner layers of a multi-layer board with new equipment installed at the Printed Wiring Board Laboratory designed to eliminate the registration problems with multiple layer boards experienced in the past.

Photo by PH3 Cary Brady

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Basic Naval Writing for Beginners (12 hours)

Dec. 4-5; 0800-1600 the first day, 0800-1130 the second day; Training Center. By LaNelle Thompson.

Scope: SECNAINST 5216.5C sets new writing standards that are important to anyone who writes or reviews the writing of others. The class instructor will review those standards, i.e., the use of active versus passive verbs, personal pronouns, short sentences, etc. A workbook (OPNAV 09B-P1-84) with exercises and answers that reinforce the principles of better naval writing will be used in class.

Deadline: November 20.

Official Naval Correspondence (12 hours)

Dec. 5-6; 1230-1600 first day, 0800-1600 second day; Training Center. By LaNelle Thompson.

Scope: This is a class for all Center personnel who type, write or approve naval correspondence. It is a detailed overview of SECNAINST 5216.5C and NAVWPNCENINST 5216.8, which review standards for correspondence preparation, formatting and paperwork management.

Note: Please bring a copy of SECNAINST 5216.5C (Correspondence Manual) dated Aug 83 to this class.

Deadline: November 21.

Introduction to TQM for Clerical Personnel (4 hours)

Dec. 12; 0800-1130; Training Center. By Code 012.

Scope: This class is designed to introduce Total Quality Management concepts to clerical personnel with a slant towards how TQM principles can be implemented in their work place.

Deadline: November 29.

Security for Clerical/Administrative Workforce (8 hours)

Dec. 11, 0800-1600, Training Center. By Code 243.

Scope: This course covers badging and area access procedures; procedures for new employee security clearance; how to arrange for visitors, both foreign and domestic; how to mark and safeguard classified documents; transmission of classified documents; destruction of classified documents; courier card, letters and memos; and how to get keys made and locks/combinations changed.

Deadline: November 11.

Security Training for Supervisors (12 hours)

Dec. 18-20, 0800-1130, Training Center. By Code 243.

For more information about this class, call NWC ext. 2675.

Deadline: December 4.

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## Co-workers need additional hours 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 would like to donate annual leave to the employee should call NWC ext. 2018.

Jo Miller, Mathematician, Code 3191 -- is in need of leave due to multiple medical problems.

Teresa McGowan, Equipment Specialist, Code 3641 -- is indebted for leave due to major surgery.

Ronald Ward, Materials Engineer, Code 3268 -- is in need of leave in order to be with his wife who is in critical condition at Loma Linda.

Shirley Hoggard, Accounting Technician, Code 2855 -- underwent open heart surgery for two valve replacements and is indebted for leave.

Deborah Leonard, Secretary, Code 6535 -- had a gall bladder attack and is indebted for leave.

Teresa Clower, Procurement Clerk, Code 2623 -- is taking care of her husband who has had two major hip surgeries. She has exhausted all her leave.

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

leave. Joseph Sapp, Laborer, Code 26415 -- underwent surgery for a broken ankle.

Sheilah K. Fultz, Research Chemist, Code 3686 -- is taking care of her terminally ill mother.

Gene Linard, Mathematician, Code 2843 -- is in need of leave to take care of his wife during her illness and recuperation.

Linda Watkins, Procurement Analyst, Code 2504 -- is in need of leave due to ongoing treatment for cancer.

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.

Carolyn King, Engineering Data Management Specialist, Code 36541 -- underwent surgery.

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.

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## CSUB announces winter schedule

Following are classes being offered this winter 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 (NAVW-PNCEN 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.

**MGT 302: Introduction to Operations Management (5 quarter units)**

Jan. 7-March 11, Mondays, 1610-2110, Training Center. By Professor Vigen, CSUB, (805) 664-2332.

Prerequisite: MGT 301: Quantitative Methods for Business Decisions or equivalent or consent of instructor.

Scope: An introduction to processes for planning, operations and control of manufacturing and service systems. Topics include design of production systems, production planning and control, plant layout, work measurement, quality control and equipment utilization.

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

**ACC 303: Managerial Accounting (5 quarter units)**

Jan. 10-March 14, Thursdays, 1610-2110, Training Center. By Professor Burrows, CSUB, (805) 664-3406.

Prerequisite: BS AD 1b: Principles of Account-

ing II or equivalent or consent of instructor.

Scope: Internal accounting, with emphasis on generation of information for managerial planning and control. Cost accumulation through conventional systems, and for fully automated factories, comparison of budgeted and historical data, introduction of standards and analysis of variances. The concepts of direct costing, responsibility accounting, by-product and joint product costing.

**ADM 600: Seminar in Management (5 quarter units)**

Jan. 10-March 14, Thursdays, 1610-2110, Training Center. By Professor Taryan, CSUB, (805) 664-2326.

Scope: Examination and application of theories and concepts pertaining to the effective acquisition, allocation and utilization of resources -- human, financial and material in pursuit of organizational objectives. Deals with the functions of management, including planning, organizing, controlling, directing and staffing of complex organizations, as well as the processes of management, including leadership, decision-making and communication.

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

**General Comments**

1. Textbooks are available at bookstores locally.
2. 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.

## Professor talks about CSUN

Professor Ileana Costea of California State University, Northridge (CSUN) will be on Center Nov. 15 to advise current and prospective students in the master's degree programs in applied mechanics and systems engineering offered by the school.

Those wanting an appointment to see Professor Costea should call Helen at NWC ext. 2648.

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# Teams trained in new procurement means

As part of the continuing effort to improve productivity at China Lake, management, technical, technical support, and contract specialists recently attended a three day indoctrination program on the new acquisition requirements package (ARP) process. The new ARP process is the result of the Contracting

Improvement Action Team recommendations which were approved for implementation by the Executive Steering Group. In addition to the China Lakers in the class, two technical and two contracts specialists from the White Sands Missile Range also attended. Members of codes 25, 35, and 36 represented NWC.

The graduates of the class will participate in an 18 month demonstration program designed to validate the Action Team recommendations. Ten representative procurements were selected from Codes 35 and 36; these procurements will be conducted under the new ARP process guidelines by members of Codes 25, 35, and 36.

Sterling Haaland, who chaired the Contracting Improvement Action Team, opened the first day with an overview of the new ARP process and its importance to efficient, disciplined procurement actions. The remainder of the day was spent in detailed discussions of the new process and

the roles of the team members. Each procurement under the new process will be conducted by a management technical, technical support, and contract specialist team.

Because teamwork is a key-stone of the new ARP process, the second day centered primarily on improving the teamworking skills of the attendees. Each trainee participated in an evaluation exercise which assessed their strength-deployment inventories and exercises were presented. The final session of the day was a discussion of planning and its role in the new process. Copies of MacProject II were distributed

to each team leader. During the third day, the class was broken into groups for workshops. Using procurement scenarios, the groups were asked to exercise the new process and practice team building skills. After analyzing their scenario and planning their procurement strategy, groups presented the approach to the assigned scenarios. The program wrapped up by a feedback session with Center management.

Presenters for the training sessions were Cdr. Cedric Knight, Steve Nyland, Frank St. George, Bob Riggs, Roger Peck, and Dave Eiband. Roger Peck served as program coordinator and also provided training spaces.



Sponsored By: PC Lab, Code 2703 NWC ext. 6631

### Special Low-cost Macintosh Presentation

Come one, come all, one day only special event! Now that I have your attention, I just want to make sure that you all know about the special low-cost Macintosh presentation.

There will be two separate presentations on Thursday, Nov. 8; the morning session is from 9:30 to 11:30 a.m. and the afternoon session is from 1 to 3 p.m.. The presentations will be held in Room 1000D, Michelson Lab.

All three new Macs will be available, the Macintosh Classic, Lc and IIsi. You can see for yourself what features these lower-cost Macs offer.

Richard Schlein will be speaking about the new Macintosh line functionality, capabilities, etc., etc. So, if you have a burning question about the low-cost Macs, bring it along, as this will be a great opportunity for you to get an answer. Richard is a Systems Engineer with Apple Computer, Federal Systems Group, you don't want to miss this presentation.

Also speaking will be Joe Lalor with SAIC. Joe will be discussing Macintosh integration with the Cray and other supercomputers.

You can call the PC Lab at NWC ext. 6631 for more info or see the full page ad in today's *Rocketeer*. See you all next Thursday.

By Bob Beane

## 25MHz 386 with VGA complete 80MB system only \$2,495

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33MHz 386 with 64K cache upgrade only \$399

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## UCLA offers technical, engineering program

Since 1955, UCLA Extension's Engineering and Management Program has prepared technical professionals and managers to meet challenges of career growth. The program is designed for experienced first-level technical supervisors, mid-level technical managers, technical professionals with high advancement potential and non-technical managers in technology-based organizations.

The 41st Engineering and Management Program takes place March 25-30, with a reception for all participants on the afternoon of Sunday, March 24. It will be held at the Anderson Graduate School of Management, UCLA, 8 a.m. to 6 p.m., Monday through Friday and from 8 a.m. to 12:45 p.m. on Saturday.

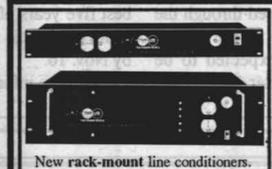
For further information, Pettit visits NWC

Professor Pettit of California State University, Northridge (CSUN) will be on-Center Nov. 7 to advise current and prospective students in the master's degree program in electrical engineering offered by the school.

Those wanting an appointment to see Professor Pettit should call Helen at NWC ext. 2648.

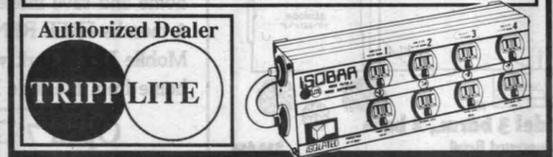
including brochures detailing this program, call (213) 825-1047 or write: UCLA Extension, Engineering Short Courses, 10995 LeConte Ave., Ste. 530, Los Angeles, CA 90024.

## Power Problems: 'tis the season



	List	Sale
Terminator surge suppressor w/superior RFI/EMI	\$64	\$34.95
ISOBAR-8 15" high-end surge/EMI/RFI protector	114	61.95
LS-604 600Watt 120V±5% from 96 to 126V	129	84.95
LC-1200 1200W 120V±5% from 96 to 138V	249	169
LC-1800 1800W 120V±5% from 96 to 138V	339	223
BC-200A 200Watt UPS, 26 minutes at 1/2 load	249	189
BC-450 450W UPS, 34 minutes at 1/2 load	459	349
OMNI 450 450W UPS with high-end voltage reg.	449	359
BC-750 750W UPS, 34 minutes at 1/2 load	649	489

**New!** Rack-mount surge suppressors (12 outlets List \$149 only \$99.95), line conditioners (2400W List \$459, on sale only \$329).



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## Second B.W. Hays Award won

(Continued from Page 1)

Management for Air, said Oliver.

"In addition to missile programs, Terry has used his expertise in correcting technical data package deficiencies on the FSU-10/A fuze. The results of his efforts led to establishment of a second source contractor for that component. Terry made numerous personal sacrifices to assure program objectives and needs were achieved," Olive added.

The B.W. Hays Award was designed to recognize work that has been of special value to the overall production support effort at NWC. According to Bob Riggs, acting head of Code 36, and master of ceremonies, the problem was difficulty in narrowing it to just one individual out of the many nominations submitted by department employees.

As a solution to this dilemma, the department developed the Golden Rung Award, a "step up" towards the B.W. Hays Award for people who don't have as much experience in production support, but who will be able to assume much greater responsibility as they gain additional knowledge in the field.

This year's Golden Rung Award winners are Karen Rae, CM/DM Branch 1, Technical

Data Division; Victor E. Pretto, Soldering Technology Branch, Product Assurance Division; and Karl Ficence, Systems Management Office, Fleet Engineering Division.

Since coming onboard in 1980, Rae has provided hardware and/or software configuration and data management support for programs including HARM, Harpoon/SLAM and the Tomahawk Cruise missiles, noted the nominating letter, signed by her branch head, Ruth D. Barr. "She (Rae) has been instrumental in clarification of both statement of work intent and data requirements in the Harpoon production contract and the definitization of the SLAM prototype production contract," Barr wrote.

Pretto was nominated by his branch head, Russ Cleveland, for his "outstanding production support efforts in Soldering Technology for the last five years." Cleveland noted Pretto's 20 years of manufacturing experience has proven to be a tremendous asset to the branch and NWC.

"Although not highly visible, Pretto has played the most significant role in acquisition of quality weapons systems, across all program boundaries," stated Cleveland. Programs he has supported include Sidewinder, HARM, HARM Low Cost Seeker, Maverick, Standard Missile, Phoenix and AMRAAM.

Ficence, project engineer for the Bigeye BLU-80/B Binary Chemical Weapon System, was recommended for the Golden Rung Award by his branch head, George F. Barker. Since being assigned to the Bigeye Project in 1987, Ficence has exhibited a unique capability in providing engineering support to all facets of the project, noted Barker. "He has been required to function as a mechanical and electronics engineer, a chemist, a physicist and a production engineer. . . Karl's driving ambition and dedication focused on the Bigeye Project have allowed the production of a quality weapon that will meet the established operational requirements," he added.



**AWARD WINNERS--Terry Kuhlman (far left) accepts congratulations from Burrell Hays, former NWC Technical Director, for winning the B.W. Hays Award in 1990. Three future stars in the production support arena at China Lake earned the Golden Rung Awards (above right). Showing off their awards are Karen Rae (center) Karl Ficence and Victor E. Pretto. They are flanked by on the left by Sterling Haaland, NWC Laboratory Director and Bill Porter, NWC Technical Director and on the right by Hays and Bob Riggs, acting head of the Engineering Department.**

Photo by PH3 Cary Brady

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Imitation diamonds were common in the mid-17th Century. "Flint Glass", a compound containing lead oxide, looked like diamonds and could also be colored to look like other precious stones. Common imitations today are CZ's, and there are many synthetic birthstones in the marketplace today.

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# Naval Weapons Center has variety of openings

(Continued from Page 16)

incumbent will provide secretarial and administrative support to the A-6/GSSF Facility Branch. Knowledge and working skill on the MacIntosh is desirable. Full performance level for this position is DG-2. Area of consideration for this position is limited to the 03 Directorate. Previous applicants need not reapply.

No. 31-074, Secretary (Typing), DG-318-1/2, Code 3115 - This position is located in AWID Systems Support Branch. Incumbent will provide secretarial and administrative support to the AWID Systems Support Branch. VAX terminal and PC word processing/spreadsheet experience is desirable. Work schedule is part-time. Must be able to obtain and maintain a Secret Clearance. The full performance level of this position is DG-2. The area of consideration for this position is the 03 Directorate. Previous applicants need not reapply.

No. 39-042, Secretary (Typing), DG-318-1/2, Code 39B4 - This position is open to current 03 employees only. Incumbent assists the lead secretary in providing secretarial support to the RAM Project Office. Knowledge/working skill on the Macintosh computer is desirable. Promotion potential to DG-2.

## Explore health insurance options this open season

Eligible employees will be able to change insurance plans or enroll in a plan if not currently enrolled during the upcoming Health Insurance Open Season scheduled for Nov. 13-Dec. 10. Plan comparison charts will be distributed to all employees as soon as they arrive in the Employee Management Relations Division, Human Resources Department. The charts enable employees to compare all the plans available to them (price, deductible, coverage). Brochures on the specific plans will not arrive until the week prior to open season.

On Nov. 19, there will be an Open Season Health Benefits Fair held in Room 114 of the Training Center from 7:30 a.m. to 4:30 p.m. Interested employees will be able to pick up 1991 brochures on all the plans and be able to talk to representatives from Blue Cross/Blue Shield, GEHA, Mailhandlers and Alliance.

American Federation of Government Employees (AFGE), National Association of Government Employees (NAGE), National Federation of Federal Employees (NFFE) and Postmas-

ters insurance plans have withdrawn from the Federal Employees Health Benefit Program and will not be available in 1991. People who are currently enrolled in these plans need to select another health plan during open season.

To enroll in a new plan, or to make any changes in the current plan, employees must go to Room 100 in the Human Resources Department, 505 Blandly, between Nov. 13 and Dec. 10. Once there, the employee will be provided his or her Official Personnel Folder from the personnel clerk and be directed to the specific personnel assistant who will assist the employee in completing the change and typing the forms.

Coverage under the new plan begins Jan. 13. Claims occurring in 1990 can be submitted to the existing 1990 plan until the end of the 1991 calendar year.

## Non-appropriated funds

The following vacancies are not Civil Service positions. These positions are paid for from non-appropriated funds and are administered in accordance with policies established by the Department of Defense. Persons selected for these positions have no Civil Service status and are not eligible for appointment to positions in the Civil Service. Persons interested in applying for these positions should fill out a standard application form (SF-171). Applicants need not be presently employed

in a Non-Appropriated Fund Instrumentality (NAFI) position, nor must they be employed at the Naval Weapons Center. The SF-171 should clearly be marked "NAFI" on the top and should have the appropriate announcement number listed in Block 1 on the form. Completed applications can be delivered to Room 100 in the Personnel Building or can be mailed to: Naval Weapons Center, Personnel Dept. (Code 226), ATTN: NAFI Service Team, China Lake, CA 93555-6001.

No. 22-9029, Waiter/Waitress, NA-7420-1/2, \$4.37 - \$5.61 Per Hour, Code 2293, Variable Schedule (Multiple Vacancies) -- This position is located at the Seafarer Club, Morale, Welfare & Recreation Division. Incumbent performs necessary preparations in an assigned area prior to opening dining room or bar (i.e., sets tables, reviews menu for day, familiarizes with mixed drinks available and prices). Incumbent accepts guests orders and turns-in order to the kitchen or bar; serves beverages and meals; clears and cleans table and prepares for the next guests. Performs other related duties as assigned. **Job Relevant Criteria:** Incumbent will be trained to perform all duties required for the operation in a dining room and bar. Incumbent must be physically able to perform arduous duty. The work requires use of both arms, hands and legs and involves prolonged standing, walking, reaching and moderated lifting. Objects handled/carried may weigh in excess of 25 pounds.

No. 22-9030, Food Service Worker, NA-7408-1, \$4.37 - \$5.10 Per Hour, Code 2293, Variable Schedule (Multiple Vacancies) -- This position is located at the Seafarer Club, Morale, Welfare & Recreation Division. Incumbent gathers dishes and utensils used during meals and washes in dishwasher; buses tables as needed; sets tables for parties and special events; cleans kitchen and dining room at the end of every shift; assists bartenders in set-up, replenishing ice and beer cooler. Performs other related duties as assigned. **Job Relevant Criteria:** Ability to follow directions and ability to operate automatic dishwasher equipment.

No. 22-9031, Cook, NA-7404-5 \$6.23 - \$7.30 Per

Hour, Code 2293, Variable Schedule (Multiple Vacancies) -- This position is located at the Seafarer Club, Morale, Welfare & Recreation Division. Incumbent cooks various short order foods to fill orders from waiters or bartenders; assists higher graded cook when special parties are being served; cleans all work areas, equipment and utensils before leaving galley at end of shift; prepares salads, appetizers and other cold dishes; washes, peels and slices ingredients; portions and arranges foods on serving dishes; prepares hors d'oeuvres for special parties as required; assists in food inventory. Performs other duties as assigned. **Job Relevant Criteria:** Ability to prepare a variety of meats, poultry, seafood, vegetables, sauces and gravies using common recipes under close supervision; ability to prepare a variety of short order foods with little or no supervision; knowledge of cooking equipment.

No. 22-9032, Supervisory Recreation Assistant, PS-189-7, \$6.49 - \$7.57 Per Hour, Code 22951, Permanent Full Time -- This position is located within the Youth Activities Section of the Morale, Welfare & Recreation Division. The incumbent is responsible for supervising all aspects of a before and after school child care program. He/she recommends selection of, assigns, trains and supervises Recreation counselors; submits budget requests for approved programs and evaluates programs for use by Head, Youth Activities Section. **Job Relevant Criteria:** Knowledge of EEO principles, practices and techniques; ability to plan, schedule and implement programs relevant to young children; ability to evaluate programs and related budgets.

## Instructor needed to teach CSUN class

California State University, Northridge (CSUN) is looking for an instructor to teach EE582: State Variables in Automatic Control, offered through the CSUN external degree program at the Naval Weapons Center. This course is expected to be offered during the summer 1991 quarter.

Individuals who are interested in teaching this course and have at least a master's degree and at best five years of related work experience are asked to forward their resume to Cecil Webb, Code 224, by Nov. 16.

For more information, call NWC ext. 2648.

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# Personnel News & Notes

## 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 Friday, 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.

**No. 22-007, Personnel Clerk/Assistant (Typing), DG-203-A/1/2, Code 226** - Incumbent performs the following duties for a major department(s): processes all actions affecting appointments, pay setting, separations, conversions of appointment, etc.; performs competitive and non-competitive qualification ratings; performs ranking and may conduct ranking/selection panels; and drafts vacancy announcements for recruitment. At the higher levels, incumbent advises and recommends to supervisors and managers recruitment options for certain occupations (e.g. clerical); participates in various phases of crediting plan development. **Job Relevant Criteria:** Knowledge of personnel policies and procedures related to staffing; ability to plan,

organize, and accomplish work independently; ability to perform a variety of clerical/technical functions; ability to research, comprehend, and apply complex regulatory information. Promotion potential to DG-3. Previous applicants need not reapply.

**No. 24-022, Supervisory Fire-fighter, DG-081-3, Code 242** - This announcement will be used to establish a register. Selections may be made from this announcement through April 1991. This position is that of Station Captain, located in the Fire Division of the Safety and Security Department. The incumbent is responsible for providing direct supervision to fire fighting crews, including emergency medical personnel, located at one of the Center's three fire stations. **Job relevant cri-**

**teria:** Knowledge of all phases of fire fighting, involving weapons, aircraft, structures, flammable liquids and explosives; Ability to communicate in writing; Ability to perform as a first-line supervisor; Knowledge of affirmative action principles including a willingness to implement EEO practices. Incumbent may be required to serve a one year probationary period for supervisors/managers. Status eligibles may apply.

**No. 28-027, Payroll Clerk/Technician, DG-544-1/2/3, Code 2853, Multiple Vacancies** - The incumbent is responsible for the maintenance and processing of time, leave and payroll records in the Payroll Branch, Customer Services Division, Office of the Comptroller. **Job Relevant Criteria:** Knowledge of payroll systems; skill and accuracy in dealing with numbers; ability to learn computerized payroll systems; ability to interpret Federal payroll principles and procedures; ability to interact positively with all levels of customers; ability to communicate orally; ability to communicate in writing; ability to perform effectively under constant deadlines and pressure situations. Potential to DG-3.

**No. 31-077, Supervisory Interdisciplinary (General/Mechanical/Electronics/Aerospace Engineer/Physicist), DP-801/830/855/861/1310-3/4, Code 3132** - This position is that of Head, EW Engineering Branch, which provides EW Equipment engineering, design and implementation functions from latter stages of FSED through Fleet introduction and support. Functions include related analyses, platform integration and installation, DT/OT testing, and data collection and assessment. Maintenance of specifications, interface, and software documentation for cognizant projects is required. The Branch also provides requirements and engineering for Weapons Systems Support Facility (WSSF) upgrades to include EW systems, and provides Weapons System Support Activity (WSSA) EW support for A-6E, AV-8B, A-12, and other tactical platforms. **Job Relevant Criteria:** Knowledge of affirmative action principles, including a willingness to implement EEO practices; knowledge of EW avionics equipment including hardware, software, and embedded computer applications; knowledge of EW avionics integration requirements and techniques; knowledge of EW avionics test requirements and techniques in the laboratory and in flight; ability to influence and motivate others; ability to plan, organize, coordinate, and manage technical projects. The incumbent may be required to serve a one-year supervisory probationary period. The incumbent must be able to obtain and maintain a Top-Secret clearance. Promotion potential to DP-4. This advertisement will close on 11/26/90.

## 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. 31-078, Interdisciplinary (Mathematician/Computer Scientist/Operations Research Analyst), DP-1520/1550/1515-1/2/3, Code 3181** - This position is located in the Systems Effectiveness Branch, Survivability and Lethality Division, Aircraft Weapons Integration Department. The Systems Effectiveness Branch provides survivability and mission effectiveness analysis to support Navy and Marine Corps weapons systems developments, including manned aircraft, cruise missiles, and unmanned aerial vehicles. The incumbent is responsible for data reduction, data analysis, simulation of air vehicles in a multiple threat environment and will provide support to various survivability and effectiveness projects within the branch. To apply send and updated SF-171 to R. Horton, Code 318, NWC ext. 3681.

**No. 35-012, Code 3518, Interdisciplinary Mechanical Engineer/Electronics Engineer/Aerospace Engineer/Physicist/Mathematician/Computer Scientist-DP-830/855/861/1310/1520/1550 - 2/3** - These positions are in the Weapon Concepts Branch, Weapons Systems Analysis Division, Attack Weapons Department. The branch is responsible for the development of weapons system simulations and analysis of proposed, developmental or operational missile systems. Simulations may be all digital, hardware-in-the-loop, or various combinations, and include all aspects of missile flight and guidance. Proficiency in FORTRAN programming language is desirable. Must be able to obtain necessary security clearance. SF-171 should be sent to Don Kappelman, Code 3518, NWC ext. 6671.

## 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. 27-010, Secretary (Typing), DG-318-1/2, Code 2712** - Incumbent provides secretarial support to the head Telecommunications Projects Branch and personnel. Knowledge/working skill on Macintosh computer, knowledge of acquisition process, and ability to deal effectively with all levels of personnel is desirable. Must be able to obtain, maintain a secret clearance. Position is located in the duplex area. Promotion potential to DG-2, but not guaranteed.

**No. 31-046, Secretary (Typing), DG-318-1/2, Code 3112** - The (Continued on Page 17)

## Lump-sum benefit ends

(Continued from Page 1) half, one year from the date of retirement.

The new rules specify the last payment will be made 12 months after the first payment.

The exact wording of the legislation on lump-sum retirement is as follows:

"The alternative form of annuity (lump-sum) will be suspended for five years, through fiscal year 1995. As a consequence, any federal employee who wishes to elect that 50/50 lump-sum payment option must separate from service no later than November 30, 1990."

Employees eligible to take this form of payment during the five year suspension includes:

- Workers called to active duty before Dec. 1, 1990 as part of Operation Desert Shield and DoD civilians asked to stay on in support of Desert Shield. Both groups of employees must have been eligible for the lump-sum option before Nov. 30.

- People who retire (except on disability) with a life-threatening medical condition. They will be entitled to a 100-percent lump-sum payment.

- Workers who lose their jobs because of no-fault involuntary separations such as reductions-in-force or job abolishment.

John Powers in the Employee Assistance Program Office is the point of contact for information on this new legislation. He can be reached at NWC ext. 2592.

## Drug-Free Workplace Program beginning

(This is the first in a series of articles the Rocketeer will be running to inform employees about the Navy Drug Free Workplace Program (DFWP). Employees who have questions about this program are encouraged to send their questions to the Rocketeer.)

The Naval Weapons Center has completed all requirements of the Navy Drug Free Workplace Program (DFWP) in order to begin random urinalysis testing for use of illicit drugs. Last week, over 800 notices were issued notifying employees working on Testing Designated Positions (TDPs) they will be subject to random testing no more than 30 days from the date they received the notice.

Issuance of the 30-day notices and the local DFWP instruction (NAVWPNCEN Instruction 12792) culminates the Center's two-year effort to prepare for implementation of the Navy DFWP. The Center has asked

SPAWAR for certification to begin testing, which will begin in November.

The DFWP can potentially impact each and every Center employee. It is designed to discourage the use of illegal drugs while encouraging employees who are abusing drugs to get help for their problem. Help with a drug problem can be obtained either through safe harbor or, outside of the DFWP, through the Employee Assistance Program. Safe Harbor protects an employee from disciplinary action based upon the use of drugs. (This does not protect an employee from potential loss of security clearance which can be a condition of employment the loss of which could lead to removal.) The Employee Assistance Program offers no immunity but, under self referral, offers complete privacy of the data. EAP appointments can be made by calling NWC ext. 2574.

President Reagan mandated the Drug Free Workplace Program in 1986 by Executive Order. The order made it a condition of continued federal employment to remain free from the use of illegal drugs both on and off duty.

This order established a program designed to make the federal government a model anti-drug employer, to inspire public confidence in the integrity of the federal workforce and to eliminate the risks to public health, safety and security from the use of drugs by federal workers. The Executive Order institutes urinalysis testing as a key element in the program.

While random testing is the focal point of attention, employees can be tested for other reasons, including reasonable suspicion that the employee is using an illicit drug.

by Dan Burnett, Code 22104

## Supercomputing Forum lasts throughout month

Each Tuesday afternoon, through Nov. 27, the Supercomputing User Group will highlight work done by NWC scientists and engineers on the Cray Supercomputer at China Lake during NWC's Supercomputing Forum.

A series of presenters will be featured from 1 to 3 p.m. in Michelson Laboratory, Room 1000D, with special demonstrations following each week at 3 p.m. in the Visualization or Simulation laboratories. A total of 21 NWC speakers from six departments will participate in this event. Sessions are organized around application areas. Audience interaction is encouraged.

Next Tuesday, Nov. 6, Carey Schwartz, an employee in the Naval Weapons Center's Semiconductor & Surface Science Branch, Physics Division, will talk about *Scattering of Neutral Atoms from Surfaces of Metal and Insulators* starting at 1 p.m., At 1:15 p.m., Tsu Wei Nee, also from the Semiconductor & Surface Science Branch, will discuss *Transient Transport Properties of Semiconductor Two-Dimensional Electron Gas Devices*. Bob Kubin, from the Polymer Science Branch, Chemistry Division, will explain *Calculation of Nonlinear Optical Properties of Dyes* at 1:45 p.m., followed by

Nancy Iwamoto's discussion of *Molecular Modeling of Polymers* at 2:15 p.m. Iwamoto is also from the Polymer Science Branch. At 2:45, Alice Harper, Instrumental Chemistry Analysis Branch, Chemistry Division, will

explain *Pattern Recognition of Nitro Explosives*.

This week, Iwamoto will give a demonstration on *Interactive Computational Chemistry* at the Visualization Lab, beginning at 3 p.m.

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- What is the most important in sound investment planning?
- How can I reduce my income tax burden?
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**Speaker:** Gerald Tahajian, Attorney At Law  
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Member, Estate Planning Council

**When:** Tuesday, November 6, 1990 at 7:00 p.m.

**Where:** Kerr McGee Community Center  
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# Hotline:

## DoD wants to reach larger audience of potential eyes and ears against fraud, waste and abuse in military

Four out of five callers to the DoD Inspector General's hotline either work for the department as military or civilians, or are dependents or retirees. While hotline officials are glad DoD people know they're there, they'd like to reach a wider audience.

"To be more effective, we have to reach the substantial number of people who work for defense contractors and subcontractors," said Ben Simon, hotline director. "That's why DoD is spending about \$100,000 on local advertising in three metropolitan areas: Seattle; Norfolk, Va., and the tri-city area of New London, Hartford and New Haven, Conn.

*The most complaints are on contract administration followed by personnel misconduct and procurement activity.*

"We're going to hit all the major advertising media, from newspapers to television and radio to placards on public buses and taxis," he said. Simon and his staff have contacted radio and television stations in the target areas, requesting public service announcement time and making themselves available for interviews. The response has been good, he said, especially when he emphasizes that tax dollars are at stake -- he estimates the hotline has saved taxpayers about \$100 million since 1983.

DoD hopes to reach a considerable audience. The three markets were selected based on statistics and a desire to reach communities where possible pay-offs are big. For fiscal 1990 alone, DoD spent \$6 billion in defense contracts in Connecticut, mostly in the tri-city target area, \$2.8 billion in metro Norfolk and \$2.2 billion in Washington's Puget Sound area.

Given the headlines and media attention lately devoted to criminal activity in defense contracting, one might think such allegations form the brunt of hotline calls. Not so.

"For calendar year 1989, the area where we received the most complaints was contract administration, 20 percent. Procurement, 15 percent, ran third behind internal misconduct, 17 percent,"

Simon said. Though crimes are reported to the hotline, they are the exceptions, according to the director.

*Promising cases are referred to the Defense Criminal Investigative Service...but most cases aren't headline makers.*

"Our staff of 17 is divided into operations and analysis follow-up examine and interpret the data and review the field reports. The findings must be supported by adequate documentation or they're sent back for more information."

Promising cases involving criminal allegations are referred to the Defense Criminal Investigative Service, a sister division in the DoD Inspector General's Office. Major investigations and front-page headlines are not the stuff of hotline complaints, but there's no shortage of cases to keep Simon's staff busy - they receive about 10,000 calls a year. The General Accounting Office, Congress' investigative arm, has praised the DoD operation for the high number of calls, the substantiation rate and the corrective measures taken.

Some areas have remained perennial favorites; defective price allegations, misconduct, procurement issues, misuse of government property. But hotline calls have changed over the

years.

"At first, we got a lot of personnel complaints, things like 'I don't get promoted, but I was more qualified than so-and-so,' or 'I should have gotten a bonus but didn't,'" Simon remarked. "Fortunately, we've convinced callers that there are legitimate personnel channels to handle such complaints." Some personnel issues are in-bounds, though; the hotline's involved when a caller charges that someone's actions are affecting many people and specifies how. Examples are harassment of, reprisals against

*Since the high-priced spare parts stories, more calls have been acquisition oriented according to DoD officials in Washington, D.C.*

and favoritism to, a group of people.

Since the mid-1980, however, when stories broke about exorbitant spare-parts costs, the calls have been increasingly acquisition-related. Simon said it's too soon to tell if there'll be hotline campaigns in other cities.

To contact the hotline from outside the Washington, D.C., area:

Call toll-free 1-800-424-9098, or Autovon 223-5080 or FTS 693-5080. Or, write to: Hotline, The Pentagon, Washington, D.C. 20301-1900.

### What Do you Think?

The *NWC Rocketeer* staff and Center Command want to know what the readers of this newspaper think about the job the staff is doing, the coverage of events and people on board the Naval Weapons Center and ideas you have for allowing the paper to serve and responded to our customers in a quality fashion.

The staff encourages article ideas, constructive comments and feedback. The form can be mailed to NWC CODE 0033 via guard mail.

### Rocketeer Feedback Forum

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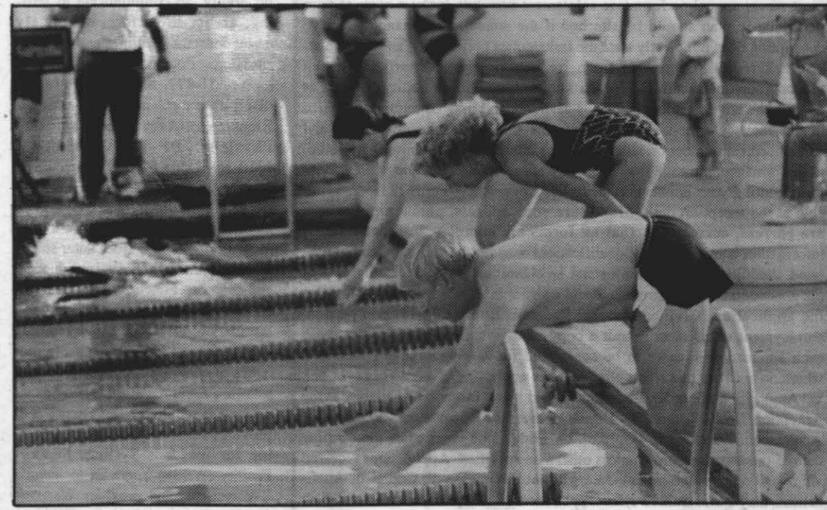
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# China Lake Challenge participants pit their strength against each other and themselves



**MEETING THE CHALLENGE --** More than 300 people participated in this year's event. (Moving clockwise) The Procurement Department's tug-of-war team starts to fall back as they pull the Police Division's team across the line. (Second photo) Ricky Parks, a Human Resources Department representative, tries to show his daughter, Shannon, how to jump rope. Shannon didn't need her father's help, she beat him 111 jumps to his 74. If the sun was too hot, participants could have always earned their points in the Code 22 Swim Meet as those in the third photo did Oct. 25.



**YOUNG ONES JOINED IN--**Sara Lesniak earned a point for Code 32 when she participated in the push-up event.

Photos by  
 PH3 Cary Brady

Each year the ChinaLake Challenge expands to include more event and more people. It is an easy and quick way to find out exercise doesn't have to hurt; you can have fun and become fit at the same time.

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# Youth soccer players improve their skills

With only three more weeks of play, members of the Naval Weapons Youth Soccer League are showing a marked improvement in skills, strategies and play, noted Myriam Wright, Youth Activities' sports director.

### Division I

#### Owls 3, Coyotes 0

Two accurate shots by Griffin Edwards and one by Ryan Hennigan gave the Owls a commanding lead. Efforts by Travis Froehner and Owen Finch kept the Coyotes from scoring. The Coyotes did not turn in a score sheet.

#### Cobras 0, Owls 0

Despite strategic moves by Ashlie Stephenson, Rayn Miller and Norelle Shlanta, the Cobras couldn't get past the Owls. Blocks by goalie Nolan Tofner kept the Owls from scoring in spite of several tries by Trevor Barney, R. J. Barr and Jason Beasley.

#### Express 2, Aztecs 1

Defensive plays by Tiffany Guglielmo and Megan Harden were effective, while Erik Haselhorst, assisted by Leigh Little, kicked in the Express' two goals. The Aztecs did not turn in a score sheet.

### Division II

#### Wolves 7, Roughnecks 2

Two goals each by Ryan Charlton, Quinn Edwards and

Jonathon Brown, along with one goal by Blake Stephenson had the Wolves howling in victory. Tareck Giraldo, Willie Powell and Rory O'Neil played well in the win. In spite of starting off with Erik Johnson's two goals in the first quarter, defensive efforts by John Pearsall, Joey Schmierer and Patrick Chan weren't enough to topple the Wolves.

#### Rockets 0, Whitecaps 0

Hustle by Matt Bloudek, Rick Tyburski and Amber Adair prevented the Whitecaps from scoring the only goal in the game. The Whitecaps had great support from Ato Garrett, Karli White and Greg Wallen.

#### Diplomats 3, Earthquakes 0

Two successful shots at goal by Jaren Critchfield and one by Kevin Collins, along with defensive moves by Donald Beveridge and Mark Rhodes, resulted in a win. Derek Carver was credited with one assist in the game. The Earthquakes had good plays from Neal White, Jacob Nazeck and Jacob Mireles.

### Division III

#### Sounders 4, Apollos 1

James Tam's control of the ball and goals by Christopher Long, Sam Elson and Ben Nazeck put the Sounders on top. David Rollingson was credited with an assist and

Zack Woydziak and Jason Schweitzer played an excellent game. Defensive moves by Mark Schramm and Erin O'Neil and a hard fought effort by Jason Hiett weren't enough in the loss. Darren Hodge kicked in the Apollos' only point.

#### Stallions 3, Cougars 0

A strong game by Cam McCollum and David Kirby and successful shots by Chris Brown, Andrew Sellen and Monique Robertson enabled the Stallions to overcome the Cougars. Scott Seivert, Tiffany Austin, Lawrence French and Sandy Grace played well despite the loss.

#### Eagles 4, Hurricanes 1

Good team passing, outstanding defense by Amy Dorrell and Ben Lapee and goals by Jamie Critchfield, Barrett Edwards and Andy Pape flew the Eagles to victory. John Scheiderer, Karla Villegas, Kevin Boland and Ryan Laboda gave it their best shot, but couldn't ground the Eagles. Willie Eichenberg kicked in the Hurricanes' lone point.

### Division IV

#### Jets 3, Strikers 1

Two goals by Aaron Schwartz and one by Danny Hartley shot the Jets past the Strikers. Team effort and excellent moves by Lisa O'Neil, Earl Shifflet, Will Squire and Tony Pracchia just weren't enough in the loss.

## Motorcyclist association plans Thanksgiving race

Instead of the Barstow-to-Vegas motorcycle race on Thanksgiving weekend, the American Motorcyclist Association will hold a "Battle-to-Victory" in the Johnson Valley Off-Highway Vehicle Area. This 120-mile, hare-and-hound event with three loops will be staged from an area off of Camp Rock Road on Saturday morning, Nov. 24. An awards ceremony will be held the following day.

For information on this event send a self-addressed, stamped envelope to BtoV '90, 814 Cobb Avenue, Placentia, CA 92670, or call (213) 438-6527.

## DFG catalog has a number of gift ideas for Christmas

Christmas is just around the corner (only 53 shopping days left) and the Department of Fish and Game has just released a retail catalog offering DFG logo products and wildlife-related gift items for those avid hunters and fishermen. Items include Department of Fish and Game caps, mugs, wildlife books, cassette tapes, collectors' stamps and limited-edition wildlife prints.

A significant portion of the proceeds from catalog sales will support wildlife management and public education programs on wildlands owned and managed by the department.

For more information, call your local office of the California Department of Fish and Game or phone 1-800-THE-WILD and request a free brochure and DFG merchandise catalog.

## Track club plans fun run

On Nov. 17, the Over the Hill Track Club will hold their annual Half Marathon and 3-Mile Fun Run. The race starts at 8 a.m. at McBride Park (located on off of Lauritsen on the Naval Weapons Center).

Entry fees are \$10 for OTHTC members and \$12 for non-members registering by Nov. 8. Late registration fees are \$12 for members and \$14 for non-members.

Awards will be presented for both races in all divisions. For

additional information, call 375-7894.

**The Maturango Museum's "Maturango Junction '90"** and **"The Taste of Indian Wells Valley"** say *Thank You* to the merchants and citizens of the Ridgecrest area for the outstanding support of these fund raising events.

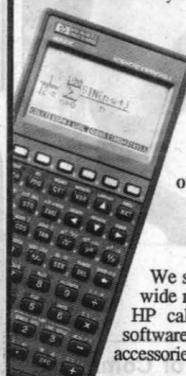
## Officers' Club pool hours are announced

Until further notice, the O'Club pool hours are as follows:  
 and 5 to 7 p.m.  
 Weekends & holidays: lap swim -- 10 a.m. to 12:30 p.m.; open swim -- 12:30 to 5 p.m.  
 Monday-Friday: lap swim -- 10 a.m. to 1 p.m.

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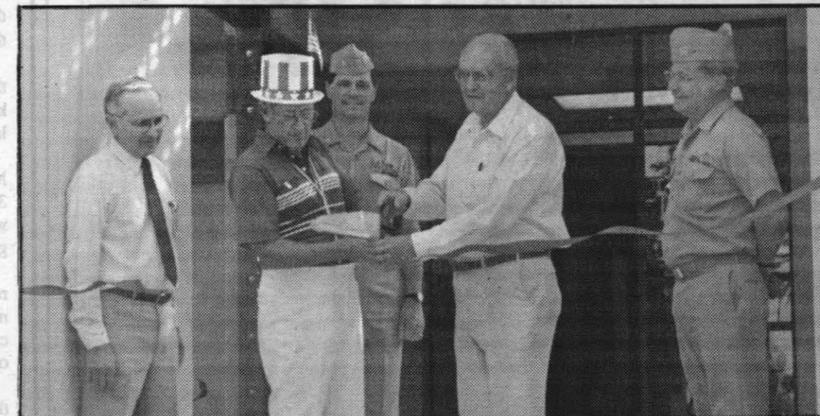
# Code 28 decides to ease on down the road

## Festive parade, ribbon cutting ceremony and picnic help celebrate move

Moving day was no small feat for Code 28, who put on an outlandish array of festivities last Thursday to celebrate the occasion. An old fashioned band on wheels led cowboys, indians, clowns, martians, and many other creatures down Blandy from the Headquarters Building to the new building on Hassey.

Three years ago, the Office of the Comptroller was located in 13 different sites throughout the Center. Due to efforts from people in the code, Public Works and Space Resources, Code 28 is now lodged in the newly remodeled building. The original building was constructed in 1944, and over the years used for various purposes including a mess hall, station restaurant, hobby shop and a community playhouse.

"It's wonderful to see all the people who had the vision to seek the impossible dream and make it really come true," commented Capt. Douglas W. Cook at the ribbon cutting ceremony.



**A GIANT PAIR OF SCISSORS --** (left to right) Bill Porter, technical director, Curt Bryan, Comptroller's Office, Cdr. Williams, Public Works officer and Capt Cook, NWC Commander join Bill Bonner, (center) Assistant Public Works officer in the ceremonial ribbon cutting for Code 28's new building. Photo by PH3 Cary Brady



**DANCING IN THE STREETS --** (left) Curt Bryan, head of the Comptrollers office, code 28, dances down Blandy celebrating the opening of the newly renovated building on Hassey. Bryan arrayed in his red, white, and blue attire led the parade and festivities for Code 28.



**CODE 2832 CRASHERS --** (left) Betina the Gorilla helped celebrate Code 28's parade by making a guest appearance in the cruise mobile. Betina's friends are (left to right, front) Joe Burge and Carol Dries. Backseat drivers (left to right, back) Vivian Ryno, Betina, Paul Cotter and Jean Johanbocker. Photo by PH3 Cary Brady

## SPAWAR's commander named

Rear Admiral Robert H. Ailes assumed command of the Space and Naval Warfare Systems Command (SPAWAR) during formal change of command ceremonies on Friday, Sept. 13 in Washington, D.C. He relieved RAdm. John C. Weaver at Commander, SPAWAR.

A 1957 graduate of the U.S. Naval Academy, RAdm. Ailes comes to SPAWAR from a tour of duty as deputy commander of weapons and combat systems of the Naval Sea Systems Command.

Sea assignments during his 33-year career included duty CIC officer on the *USS Willard Keith* (DD-775), as operations officer on the *USS Conyngham* (DDG-17), commanding officer of the *USS Hammerberg* (DE-1015) and *USS Virginia* (CGN-38) in

the Atlantic Fleet and executive officer on the *USS Long Beach* (CGN-9) and *USS Somers* (DDG-34) and skipper of the *USS Brooke* (FFG-1) in the Pacific Fleet. He also served as operations officer on the staff of Destroyer-Division 222.

Shore assignments included the Naval Postgraduate School, where he received a master's degree in operations analysis;

commanding office and director of the officer department of the U.S. Naval Nuclear Power School and director, Surface Command Systems Division in the office of the Deputy Chief of Naval Operations for Surface Warfare.

He is married to the former Clara Swift of Arlington, Va. They have two children, Susan and Lynn.

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Next to Thanksgiving, it's the most famous Thursday in November. It's the American Cancer Society's Great American Smokeout. Nov. 15 is your opportunity to quit smoking for 24 hours or to lend a hand to someone who's trying to quit. Make the Great American Smokeout an important holiday on your calendar.

**V.F.W.** 

The Ladies Auxiliary to the Veterans of Foreign Wars Ship 4084 Ridgecrest will host their annual Christmas Bazaar on November 9th, 9am to 5pm, and November 10th, 9am to 1pm. The Bazaar will be held at 117 Alvord St., Ridgecrest. The Bazaar will have hand crocheted items, hand knitted items, ceramics, and other personalized items for your gift giving pleasure. There will also be home-made baked goods for your holiday fare. So come on over and be our guests for a wonderful time.



**NEW FASHIONS --** Models and narrator go over last minutes details as they prepare for the upcoming *Getaway Holiday* fashion show which is sponsored by the Women's Auxillary of the Commissioned Officer's Mess. Fashions from Boston Store, Dodie's, McNeil's, J.C. Penney and Sports Oasis will be modeled by WACOM members during their monthly meeting on Nov. 13 at the Seafarer Club. A social hour, beginning at 11 a.m., will start the event. Reservations may be made by calling Minnie Miller, 375-9600; or Ingrid Zellmer, 446-6170.

### Military medical school

Established by an act of Congress in 1972, the Uniformed Services University of the Health Sciences (USUHS) in Bethesda, Maryland, is the military's own medical school. This fully accredited joint-service school is designed to provide the Department of Defense with a cadre of career medical officers for the Army, Navy, Air Force and the U.S. Public Health Service.

education, such as an internship or residency, does not count towards the payback.

Both civilians and military personnel with a college degree may apply for the four-year medical program at the F. Edward Hebert School of Medicine. While civilian applicants may be no older than 27 when they enter the medical school, applicants with military service can exceed the age limit by up to six years -- to age 33 -- based on the amount of their prior service. All applicants must meet the physical and personal qualifications for a commission in the uniformed services as well as certain academic requirements.

The medical students attending the F. Edward Hebert School of Medicine are commissioned as ensigns or second lieutenants on active duty reserve status, and draw full military pay (approximately \$23,000 a year) and benefits while in school. There is no tuition, and all books and equipment are provided at no charge. Students study the traditional civilian medical school curriculum plus courses of direct military medical relevance.

At graduation, medical students receive the M.D. degree and a promotion to captain or lieutenant, and must serve seven years to pay back their education. Time spent in graduate medical

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### Troops battle sun, heat

Saudi Arabian Desert (NNS) -- Americans may look forward to a sunny day on the beach, but the blazing sun over the Saudi Arabian desert isn't much fun for the thousands of Marines and those sailors deployed ashore to Saudi Arabia during Operation Desert Shield.

While nearly 70 U.S. warships patrol the waters of the Middle East, the Navy-Marine Corps team in the Saudi Arabian desert battles two key enemies -- scorching sun and the challenge of maintaining a vigilant watch in the vast Saudi Desert.

Daytime temperatures of more than 130 degrees take their toll on Marines and Navy corpsmen of the First Marine Expeditionary Force's 3rd Battalion 9th Marines south of the Kuwait-Saudi Arabia Border, while the balmy night provides cover for the back-breaking job of digging deep in the desert sand to build defensive positions.

Daylight hours are filled with training operations. The high-tempo routine requires a constant intake of water -- up to 10 quarts a day per man. Troops in the desert also spend several hours each day in chemical, biological and radiation (CBR) warfare suits honing their ability to operate in a CW environment.

After weeks in the desert, constant maneuvers and training break up the sometimes monotonous aspects of deterrence in the Middle East as diplomatic efforts continue around the world to end the crisis. "We basically stay so busy training it's not really a problem," said 3-9 operations officer Maj. Walter Casebolt. "We're doing aggressive things to keep the men up, and there's plenty of work left to do."

A large portion of that work is filling countless sandbags to fortify defensive positions. One officer said that the hundreds of men of 3-9 would fill more than 100,000 bags with sand. As they dig, Navy corpsmen assigned to the company's perimeter man the shovels alongside the Marines, keeping a close watch on their charges for signs of heat stress and ensuring the water keeps flowing to replace that lost by pouring sweat.



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## A Better Place

Less than a month into the annual Combined Federal Campaign at the Naval Weapons Center and donations are on a record-setting pace. Pledges have passed the \$98,500 mark on the way to a \$260,000 goal. This means nearly 38 percent of the goal has already been achieved.

Among NWC departments, the Technical Information Department has the top percentage of personnel participating thus

far with 38.8 percent. Next is the Information Systems Group at 38.1 percent and the Human Resources Department at 36.36 percent.

Two weeks remain for China Lakers to make their pledges. The goal can be met with the help of concerned, caring and generous people who will do what they can to make this "a better place."

## Navy battles sexual harassment charges

WASHINGTON (NNS)--In response to recent press reports concerning incidents and allegation of sexual harassment and sexual offenses in the Navy, Secretary of the Navy H. Lawrence Garrett III and Chief of Naval Operations Adm. Frank B. Kelso II reemphasized Navy policy in personal messages to Navy and Marine Corps leaders. The bottom line: Sexual harassment and sexual offenses will not be tolerated in the sea service.

In a message addressed to all Navy and Marine Corps flag and general officers, commanding officers and officers-in-

charge, Secretary Garrett noting the Navy is taking steps to confront the issues raised in the news media, including those pertaining to the U.S. Naval Academy and the Naval Training Center, Orlando, Fla.

Garrett also underscored Navy policy on the responsibility of all Naval personnel to ensure the equality and dignity of their fellow service members. "Sexual offenses are degrading to the perpetrator as well as the victim and have no place in our service which is dedicated to the protection of our national ideals of equality and dignity," he emphasized.

In his Navy-wide message, the CNO noted that those in uniform have a special responsibility to solve such problems. "The Navy is in the forefront of society in the integration of minorities, zero tolerance of drug use and equal opportunity for the professional advancement of women. The Navy must become a model for establishing a work place free of harassment for all our people," he said.

In a related development, Secretary Garrett and Adm. Kelso last week ordered an updated study on women's progress in the Navy. The Women in the Navy Study

was scheduled to be updated next year, four years after the original analysis in 1987.

In an ALNAV message announcing the update, Garrett said he and the CNO agreed it was time to take stock, to review the implementation of earlier recommendations and to determine what has taken place and what needs to be done. RAdm. Roberta Hazard will direct the 1990 update, slated to be completed by January, 1991. The announcement followed several internal Navy reviews regarding the treatment of women.



**BRITISH BRIEFING--** Members of the Ridgecrest Chamber of Commerce Military Affairs Committee, held a luncheon at the NWC Seafarer Club earlier this fall and were briefed on the activities of 32 Joint Trails Unit of the Royal Air Force. Wing Commander Mike Russell, RAF, Officer Commanding 32 JTU, gave the briefing.

Photo by PH3 Cary Brady

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