

### Radar enforces traffic speed at China Lake

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

According to Kerry B. Swigum, traffic manager, CLPD Operations Branch, areas of concentration for radar traffic enforcement for the week of Sept. 3 - 7 are listed below.

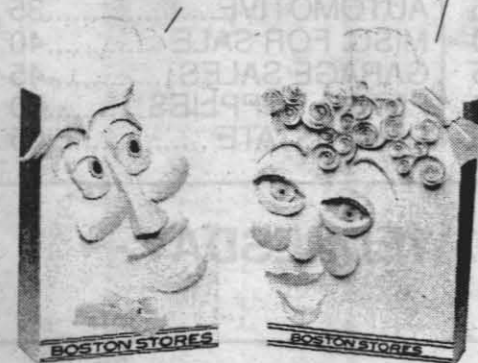
- Monday -- Randsburg Wash Road.
- Tuesday -- Richmond Road.
- Wednesday -- Blandy Road.
- Thursday -- Inyokem Road.
- Friday -- CLPL Road.

Traffic violations may be cited at any time, as well as in areas of the Naval Weapons Center other than the ones mentioned above by China Lake Police Division officers.

# LABOR DAY SALE

Save **25-50%** on items for Women, Men and the Home.

Work, work, work. Shop, shop, shop.



Reward yourself with great values on famous brands. You deserve it.

#### WOMEN

**Cathy Daniels 2-piece dressing.** Choose from blouses and skirts in assorted prints. Reg. \$30. **Sale 33% off.\***

**Related separates.** Reg. \$26.-42. **Sale 33% off.\***

**Gilda spun knit tops.** 3/4 sleeve tops with banded bottoms in Fall prints. Missy sizes 10-20. Reg. \$19.99. **Sale 25% off.\*** (Fuller Fashion sizes available in selected stores. Sizes 38-46. Reg. \$21.99. **Sale 25% off.\***)

**Cottonee pull-on pants by Gilda.** Short and average lengths. Missy sizes 8-20. Reg. \$19.99. **Sale 25% off.\***

**Selected Fall dresses.** **Sale 33% off.\***

**Entire stock of new Fall coats.** **Sale 33% off.\***

**Selected pants for Juniors.** Choose from many styles in canvas, twill and jersey knit. Sizes 3-13. Reg. \$26.-34. **Sale 33% off.\***

**Selected Junior knit tops.** Long sleeve styles with a variety of necklines. Sizes S-M-L. Reg. \$20.-24. **Sale 33% off.\***

**Entire stock of regular price Komar sleepwear.** **Sale 33% off.\***

**Selected satin sleepwear.** Orig. to \$28. **Sale 33% off.\***

**Regular price WOW bras by Playtex Limited.** Buy two and save \$7.00.

**Entire stock of regular price Exquisite Form foundations.** **Sale 33% off.\***

**Selected handbags.** **Sale 33% off.\***

**Selected Mondo handbags.** **Sale 33% off.\***

**Assorted fashion wood jewelry by Carole.** **Sale 50% off.\***

**Entire stock of new fashion jewelry by Tacoa.** **Sale 50% off.\***

#### MEN

**Members Only solid knit shirts.** Orig. \$24. **Sale 50% off.\***

**Alexxus short sleeve fashion tops.** Banded bottoms for style and comfort. Reg. \$28. **Sale 33% off.\***

**Assorted Levi's denim jeans.** Value \$40. **Special \$19.97.**

**Haggar belted dress slacks.** Reg. \$38. **Sale 25% off.\***

**Haggar belted duck pants.** Reg. \$32. **Sale 25% off.\***

**Van Heusen tone-on-tone dress shirts.** Reg. \$21.-25. **Sale 33% off.\***

**Entire stock of Jockey underwear.** **Sale 25% off.\***

**Givenchy fashion socks.** Orig. \$7. **Sale \$4.97**

#### YOUNG MEN

**Jed knit shirts and shorts.** Orig. \$28.-30. **Sale 50% off.\***

**Entire stock of regular price PCH sportswear.** **Sale 25% off.\***

**Selected jackets.** Choose from denim, polar fleece and nylon styles from David Peyser, Report and Off The Edge. Reg. \$36.-85. **Sale 25% off.\***

#### HOME

**Cannon kitchen towels.** Slightly irregular patterns in assorted colors. Value \$3. **Special \$1.47**

**Carpet remnants.** Assorted patterns and colors. Value \$30. **Special \$12.97.**

**Acrylic photo frames from MW Carr.** Assorted sizes. **Sale 50% off.\***

**Godinger Silver silverplated giftware.** **Sale 33% off.\***

*\*Discount taken at register. Some items not available in some stores. Intermediate markdowns may have been taken.*

## BOSTON STORES

Your friendly neighborhood department store with famous brands.

ANAHEIM (714) 776-2270	DIAMOND BAR (714) 861-5143	LANCASTER (805) 945-8653	PLACENTIA (714) 993-4141	POWAY (619) 748-2960	ROSSMOOR (213) 430-1001	VICTORVILLE (619) 241-7667
CAMARILLO (805) 482-1626	HEMET (714) 652-2988	MISSION VIEJO (714) 581-6600	POMONA (714) 593-0212	RIDGECREST (619) 375-3567	(714) 826-1771	WHITTIER (213) 947-2891

Save 25 - 50% off Back-to-School fashions for Juniors, Young Men, Boys and Girls.

### August 31, 1990

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	Max	Min	Peak Gust
Thurs.	96	58	19
Fri.	95	64	32
Sat.	84	63	28
Sun.	87	57	23
Mon.	92	54	23
Tues.	98	54	20
Wed.	102	61	21

### 'Electronic' phone book is available to most of NWC

There is an electronic telephone book available to China Lakers with access to the VAX database.

It's called "FINDNAME" and contains data from the personnel section of the NWC telephone book. This database is updated weekly to remain more current than the printed book can be.

Information on this utility is available through a line item of SCF News. Examples of how to use "FINDNAME" are contained in a help screen which can be displayed with the following command:

\$FINDNAME FELP <cr>.

Employees without access to "FINDNAME" can contact their systems manager for information of program accessibility.

For additional information, call the Telephone Services Branch at NWC ext. 3451.

### Branch Medical Clinic announces some new hours

Until further notice, the Naval Weapons Center's Branch Medical Clinic Audiometric Department will have the following new hours.

- Monday-- 9-11:30 a.m. and 12:30-2 p.m.
- Wednesday--11:30 a.m. and 12:30-2 p.m.
- Thursday -- 9-11:30 a.m. and 12:30-2 p.m.
- Tuesday -- 10-11:30 a.m. and 12:30-1 p.m.
- Friday -- 9-11:30 a.m. and 12:30-3:30 p.m.

# NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLV, No. 35, August 31, 1990

## Behr wins technical officer award

Exceptional work, leadership with HARM program brings special recognition from laboratory director

Leadership and technical excellence brought the prestigious Laboratory Director's Technical Officer Award for 1989 to Cdr. Michael "Yogi" Behr at Monday's Commanders Meeting. Cdr. Behr is the acting head of the ARM Weapons Test and Evaluation Office, in the Attack Weapons Department.

Sterling Haaland, laboratory director, and Capt. Robert Kapernick, deputy laboratory director, joined in making the presentation and congratulating the commander for this outstanding achievement by a military officer. During the presentation, Haaland commented, "the execution of all your tasks and responsibilities have obviously been very excellent. Leadership has led to many successes and I think your exceptional role as a naval officer working for the navy-civilian teamwork is impressive."

Cdr. Behr is no stranger to the Indian Wells

Valley "high desert way of life." He was originally stationed in China Lake, with Air Test and Evaluation Squadron Five (VX-5) from 1979 to 1983, as a project operational test director (OTD). While at VX-5, he worked on HARM when it initially went through operational evaluation. In 1987, he came back to China Lake attached to NWC, where he continues his endeavors with the HARM missile program.

Cdr. Behr holds dual roles of responsibility within the Harm Program Office. He's not only the acting head of the ARM Weapons Test and Evaluation (T&E) Office, but he also operates the ARM Weapons Fleet Effectiveness and Suitability Office.

The Test and Evaluation Office staff have been working extremely hard during the last year and a half on HARM Block III, which has now finished its evaluation. The weapon

system was recommended for fleet release about a month ago and was a combined evaluation between the Navy and the Air Force. "It was Navy and Air Force, Operational and Developmental test all combined in one...We're monitoring it right now" said the commander.

The citation letter from the NWC Laboratory Director commented, "the test and evaluation effort has been particularly challenging as it required that you manage and coordinate configurations composed of four missile software versions and four HARM aircraft avionics suites that each interface with the six aircraft platforms."

The T&E office is in the middle of developmental testing of HARM Block IV and Low Cost Seeker with Texas Instruments and Ford Aerospace.

(Continued on Page 7)

### Night Attack with Vampires!

Looking a great deal like an unknown creature, Cdr. Chuck (Doc) Antonio of VX-5 models what the well-equipped night attack pilot would wear for the U.S. Navy or Marine Corps. Night vision goggles (NVGs) are being evaluated by VX-5 as part of a night attack system. (See detailed feature story on NVGs on Page 10.)

Photo by Tim Tyson



## Clean-up Day set Sept. 29

Do-it-yourself projects to improve the quality of life at the Naval Weapons Center are very popular this year. Richard Dominguez, coordinating the NWC Fall Clean-up Day on Sept. 29 said more than 50 Center codes, with several hundred volunteer participants, have submitted work requests for self-help type efforts. He was expecting a last-minute rush of requests before the deadline at the close of business today (Friday).

So far the requests run the gamut from building a picnic area in the Michelson Laboratory compound to installing mylar on some office windows. In between are a lot of landscaping projects, a number of requests to paint office spaces, install carpets, put up paneling, hang mini-blinds and much more.

Dominguez said he was very pleased with the response, noting today's deadline was really just for work requests where material had to be ordered. More labor only projects can be approved prior to the Sept. 29 Fall Clean-up Day.

(Continued on Page 9)

# China Lake Calendar

- Fri. Aug. 31**  
...Deadline to file application for NSAP positions available summer, 1991.
- ...Final day to submit work requests for Fall Clean-up Day materials.
- Wed. Sept. 5**  
...Desert Empire Fair starts, military in uniform admitted free.
- Thurs. Sept. 6**  
...Rob Sweetgall discusses fitness and walking, Seafarer Club, 10 a.m. and Room 1000D Michelson Lab, 1 p.m.

## Coming Events

### Fall Clean-up Day, and Hazardous Waste Collection Day, Sept. 29

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



Robert Sweetgall, author, speaker and president of Creative Walking, will provide three motivational workshops on Sept. 6 for NWC employees who wouldn't mind dropping a few pounds of fat.

Sweetgall, also known as the Pied Piper of American Walking, is the only man to have walked both the U.S. perimeter (10,608 miles) and all 50 states (11,208 miles) in back-to-back years. He has appeared on the NBC Today Show, ABC Morning Show and Evening Magazine. He has written eight books on walking and presents workshops and seminars nationally to inspire people to walk for health. Sweetgall visited NWC in 1988 to bring his walking message here the first time.

Sweetgall's workshop, *Walking Off Weight*, will include the 14 most important concepts for lasting weight loss, how to design a fitness walking program geared for fat reduction and discussion about why diets don't work. This workshop will be offered from 10-11:15 a.m., Seafarer Club; and from 1 to 2:15 p.m., Michelson Lab, Room 1000D.

In addition, Sweetgall will meet with NWC employees in Solar Park (on Sept. 6), from 11:30 a.m. to 12:30 p.m. for a demonstration titled *New Strides in Fitness Walking*. Participants will learn a new technique for walking which (1) burns 30 percent more calories, (2) tones your stomach and

upper body, (3) strengthens back muscles, (4) improves posture, and (5) enables people to reduce their walking time by 25 percent without sacrificing a thing.

For more information, call the Wellness Program Office at NWC ext. 2468.



Robert Sweetgall

## We get letters

Editor:  
The Fleet Reserve Association Branch 95 and Cub Scout Pack 805 wish to extend their sincere thanks to the manager of the NWC Golf Course, KZIQ Radio, the *Daily Independent* and all of the generous golfers who assisted and contributed to the fund raiser held on Aug. 18 & 19 for Andy Zahn (a 7-year old boy who has aplastic anemia). Once again, you proved that the good people of Ridgecrest *do care!*  
**A.C. "Skip" Bennet, president**  
**Bob Schwaiger, secretary**  
Branch 95, F.R.A.

**NWC HOTLINE** (800) 522-3451 (toll free)  
**Integrity, efficiency program** 288-6743 (Autovon)  
**Call: NWC ext. 3636 (24 hours)** (202) 443-6743 (commercial)  
or call the Inspector General at

## FOR THE DESK-BOUND, SEDENTARY WORKER...

### Simple Exercises To Encourage Circulation

Stretch your arms

Extend your lower legs

Breathe deeply

Contract the muscles in your abdomen and buttocks

Close and open your hands

Source: Food and Drug Administration

## Explosive test planned September 7 near NWC's Airport Lake

Naval Weapons Center personnel will conduct an explosive test containing approximately 500,000 pounds of ordnance at site near Airport Lake, 19 miles north of NWC's main gate, at about 10 a.m. on Friday, Sept. 7. The test, sponsored by the U.S. Marine Corps is being carried out in support of the Maritime Pre-positioning Ships (MPS) program.

This test will provide important data used to determine if storage measures for ordnance on the ships could reduce the area that could be affected by accidental explosions of the ships.

The Marine Corps currently operates several maritime pre-positioning ships in

support of world-wide operations.

These ships return to Blount Island, Jacksonville, Fla., every two years where equipment and ordnance is off-loaded, inspected, refurbished as needed and reloaded on the ship.

China Lakers and Ridgecrest area residents shouldn't notice anything more than

a loud boom and perhaps part of the smoke and dust cloud generated by the massive explosion.

At NWC, planning for the test has been carried out by the Ordnance Evaluation Branch of the Ordnance Systems Department, headed by Carl Halsey.

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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**

### 15 HELP WANTED

BURGER KING is hiring. Apply in person. 139 N. China Lake Blvd.

HEALTH CAREERS OPPORTUNITIES - Learn Medical skills & participate in on-the-job experience. No tuition. Books & equipment provided. Call 375-1625.

### 20 RENTALS

2BR, 2BA FROM \$495/mo. + \$300 deposit. Pool & Jacuzzi in courtyard. Water/Trash/Basic Cable paid. 375-7642. Furniture Available.

3BR, 2BA, DW in park. \$568/mo. 375-1625.

AVAILABLE NOW! 2BR, 1BA fenced yard, w/d hookups. \$425/mo. + \$475 deposit. Call 375-1439, between 8am - 7pm.

DOWNTOWN! Balsam St. 1 bed garage, laundry facilities. Water/trash paid. PET OK. \$370/MO. Avail Sept 1. 446-6487 eves.

FEMALE ROOMMATE LOOKING FOR SAME - Non-smoker to share Townhouse. BR, own bath, w/d, jacuzzi, pool, gar. \$300/mo. Please leave message. 375-2141.

### 20 RENTALS

ROOMMATE WANTED: Heritage Village. Female non-smoker to live w/ 1 female, single professional. No Pet/Kids. Share with 1 person - two bedroom, two full bath, furnished house. Use of pool/gym. \$390.00. Utils included. Call 446-7200. Leave message. Needed for 1 Sept. 90.

### 30 SERVICES

CREDIT GONE BAD? Credit repair book shows how you can have slow-pays, repossessions, even bankruptcies removed from your credit record. Rebuild, or start new credit. Secure credit cards, loans, etc. Money-back guarantee. For information call 446-6646, extension 1503.

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.

### 35 AUTOMOTIVE

FOR SALE: '89 Ford Taurus station wagon. 8 passenger. Loaded. Xlnt. cond. Great family car. 446-6954.

FOR SALE: Country Style loveseat in good cond. - \$50/OBO. Strap-on car top carrier - \$25/OBO. 446-1012 after 12 p.m.

Henry Link 4-pc. bedroom set. Triple dresser w/mirror, reg. dresser, night stand, queen size bed w/mattress. Ask \$900. ALSO - Stereo set - \$940. 446-5165.

Loveseat, chair, coffee table, and exercise bike. Call 446-5169.

XTRA LARGE Rabbit cage. 8 mos. old. Over \$80 invested. Will sell for \$40/OBO. 446-6954

### 45 GARAGE SALES

MOVING SALE - Handy size 1984 Ford Escort LX 4-door station wagon: Factory air-conditioned, AM/FM cassette stereo, power steering, tilt wheel, power door locks, cruise control, custom wheels & roof rack; New fuel injectors, new spark plug wires & plugs, new distributor cap & rotor (all Motorcraft); new battery; Michelin steel-belted radial tires. Blue book retail \$3100. Asking \$2300. Call 446-6326.

FOUND - A female black lab w/collar. Area of Inyokern Rd. near Sierra Breeze MHP. Call Helen at 375-7775 or Bonnie at 377-4713.

### 55 REAL ESTATE

MOVING SALE - BILTMORE Mobilehome: Clean, 2 bedroom, with carpeted covered deck, metal building with laundry hookups, custom lockable wood building, large shade trees, automatic sprinkler/drip system, automatic security lighting, kitchen bar w/stools, new roofing/cooling, digital furnace control (programmable), upgraded carpeting, custom magnetic inside window covers, new glass & screen in sliding doors, new back door lock, refrigerator with top freezer compartment. Call 446-6326.

MOVING SALE - Freshly-painted, clean, 3-bedroom house-plus den, 2-bathrooms, nice kitchen w/dining area, living room w/fireplace, ceiling fans, exhaust fans, up-dux, evaporative cooler, back porch w/covered patio, RV parking area, metal storage building, double-car garage w/automatic door opener/closer, nice yards w/automatic sprinkler system, automatic security lighting, shade & fruit trees and more. Call 446-6326.

TOWNHOUSE - 2BR w/private bath, plus 1/2BA. Washer/dryer, d/w, refrig., gar., pool and spa. Great for sharing. \$62,500. 377-5898, leave message.

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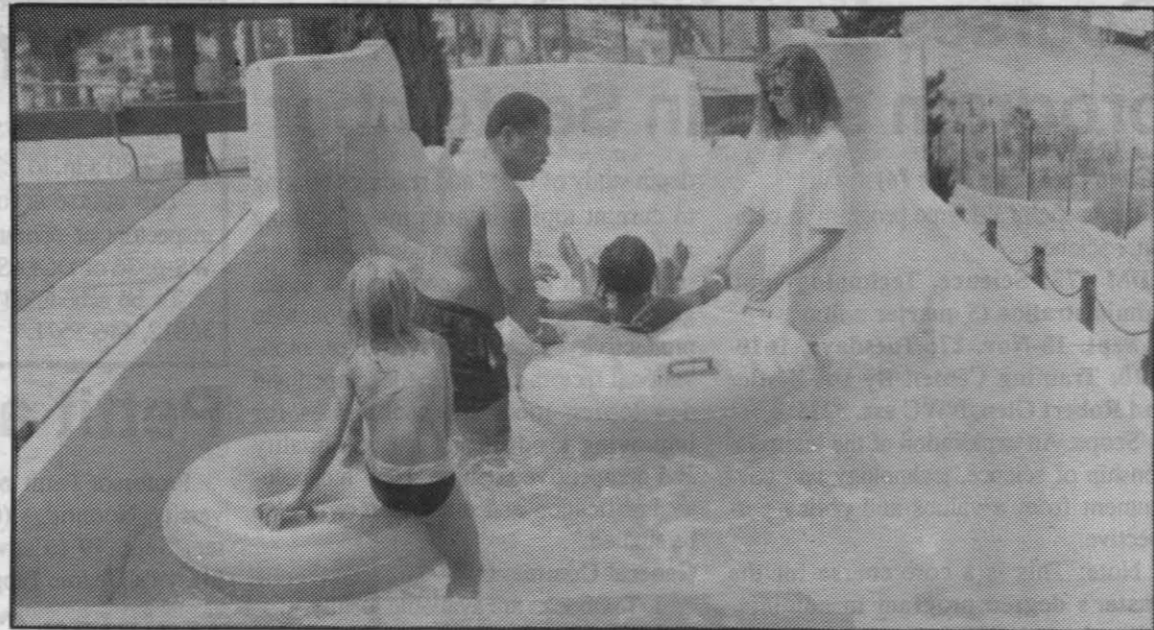
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Classifieds Get Results

# Community Events



**LAST FLING**--LCdr. Leon Miller and a Las Fiesta lifeguard, helps Angela Miller onto a tube to slide down one of the waterslides available at the San Bernadino park. Children from the Movin' On Up Program at the NWC Youth Center were able to have a super day thanks to the Youth Center staff and a group of parents who volunteered their time to help care for the children. In the foreground, Cassie Shoaf waits her turn at the slide. Joining LCdr. Miller as escorts were Monica Houston (Woolley) and Christopher Beasley. The Youth Center group also included Kenny Burns, Travis Zessin, Nick Kiren, Mollie Roberts, Brittney Smith, Matthew Wooley, Kevin Finch and Cara Beasley and Cara's younger brother, Jason.

Get ready for the Bacon in the Sun Contest, Diaper Derby, Vegetable Pig Contest, Pig Races and Hot Wheel Races as once again the Desert Empire Fair opens in Ridgecrest. Admission cost to the fairgrounds is \$3 for those 13 years old or older, \$2 for children 6 to 12 years olds, and \$1 for seniors. Admission is free for military personnel in uniform. Thursday is Garter Day. Purchase a garter for \$9 and enjoy the rides all day long at no additional cost.

Learn to square dance with the Cactus Squares. Introductory classes begin Wednesday, Sept. 5, at Las Flores Elementary School from 7:30-9:30 p.m. The first three classes are free! Sept. 26 is the deadline to register. Cost is \$30 per person, \$60 per couple.

Maturango Junction, the Maturango Museum's annual fun day and fund-raiser will be Saturday, October 20th, at Kern Regional Park. Proceeds benefit the museum. For more information call the museum, 375-6900, weekdays for information.

WACOM (Women's Auxiliary to the Commissioned Officers' Mess) will hold its annual Fall membership social Sept. 11 from 10:00-12:00 at the NWC Seafarer's Club. "A holiday in Santa Fe" is this year's theme. For more information contact Membership Chairperson, Sondra Drake at 375-7445. WACOM is open to all members and spouses of the Commissioned Officers' Mess. WACOM is a social and philanthropic organization which provides support to the Navy Relief Society and many other local community organizations.



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## USMC awards Bud Baker Trophy

Exceptional and prolonged contributions to the AV-8B Harrier Program helped win the 1990 Bud Baker Trophy for Maj. Randy S. Siders of the China Lake Marine Aviation Detachment (MAD).

The Bud Baker Trophy is presented by the Marine Corps Aviation Association (MCAA) to the Marine aviator who has done the most to advance vertical/short take off and landing (V/STOL) capabilities in the Marine Corps.

Major Siders will be presented the trophy, a silver replica of the Rolls Royce, Ltd. PEGASUS jet engine, at the annual MCAA convention in Norfolk, Va. during October. He is one of only 13 Marines winning individual honors from the MCAA.

Nominated by Col. Barry V. Banks, former commanding officer, MAD, Maj. Siders was selected for the award by the board of awards and trustees of the MCAA, including the Commandant, Marine Corps.

In his nomination of Maj. Siders, Col. Banks said, "Today the Fleet Marine Force has the best light attack airplane in the world, thanks, in large part, to Maj. Siders flying skills, management and professionalism. New systems and weapons scheduled for the AV-8B in the future will be more effective because he has already solved many complex integration problems."

Describing some of the tasks undertaken by Maj. Siders since arriving at China Lake in April, 1988, Col. Banks commended him for playing a key role in the on-time delivery of the first Night Attack AV-8B Operational Flight Program (OFF). Col. Banks noted, "Faced with a rapidly approaching delivery deadline... he repeatedly stood fast against the pressure to accept an OFFP with discrepancies he knew would hamper the fleet. The result of this was the delivery of the first Night Attack Harrier to Marine Attack Squadron 214 on time, with an OFFP that was combat ready."

The 1990 Bud Baker Trophy

### Twenty-Third photograph contest announced

Active duty military members of the Navy, Army, Air Force and Marine Corps are invited to compete in the Twenty-Third Interservice Photography Contest (IPC) and All-Navy Qualifying Competition.

The All-Navy Photography Contest is the qualifying competition that precedes the IPC. It will be conducted at Naval Air Station Jacksonville, Florida on Jan. 16.

winner also took his AV-8B knowledge to VMA-214 to brief personnel there on this new aircraft and conducted classes on all aspects of the night attack system.

tion weapons systems and the advanced rocket system. Col. Bands said of Maj. Siders, "His input to the design of these weapons assured they will be



**UUUU RAH!! LOCAL MARINE WINS HONOR**--Maj. Randy S. Siders of the China Lake Marine Aviation Detachment (MAD) will be awarded the 1990 Bud Baker Trophy at the annual MCAA convention in Norfolk, Va. during October.

And, he provided vital operational descriptions of the night attack system for the NATOPS manual.

In addition to his night attack system work, Maj. Siders was deeply involved in solving other weapons-related Fleet problems in the past year, including persistent 25mm gun deficiencies. Also, he took time to assist Air Test and Evaluation Squadron Five with training of fleet pilots on night vision goggles. Maj. Siders is one of a few fix-wing night vision goggle instructors in the Marine Corps and his expertise was essentials in training pilots on night vision systems.

Throughout the year he took part in initial design stages of new weapons the Harrier will carry, including the advanced bomb family, advanced interdic-

compatible with the aircraft and enhance its striking power."

The career Marine aviator flies the F/A-18 Hornet as a secondary aircraft, taking part in testing at the Naval Weapons Center. This experience is a plus for him and the Harrier program to put radar in the aircraft.

Other duties included participation in the Intelligent Air Attack Systems testing, membership of the software review board and briefing for the weapons and tactics instructor course on the AV-8B.

A native of Denver, Maj. Siders is a graduate of the University of Idaho. He was commissioned in 1978 and earned his wings in 1982.

He married Nancy Jean Daly of Westbrook, Maine and they have one son, Zachary.



## The Skipper Sez...

### QUESTION

I have a question in regards to the savings of money and shortage of funds. Why is it we have two COMSEC accounts here on Center? It would seem to me we would save a great deal of money, which could then be allocated to other areas where it could serve better if we consolidated the accounts.

### ANSWER

A second COMSEC account was established in 1983 in response to a significant increase in workload caused by secure communications on the ranges. The increase in workload which initially resulted in the two accounts still exists. In addition, installation of STU-III telephone units has also increased requirements. Combining accounts might reduce the number of trained alternates (back-up personnel) but would save very little money since they only charge when performing COMSEC duties and routinely perform other primary duties. It is true that most activities have a single account. However, both in terms of requirements and geographical placement, the Center's requirements are greater than most activities. I appreciate your interest in this area, however.

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



Free day care provided

**Navy Relief Course**  
Sept. 10-14  
9 a.m. to 12 noon

Call NWC ext. 3148 for more information

### Navy Relief Society furnishes \$50 CHAMPUS deductible

Unexpected expenses always seem to happen when a person can least afford them. With the short term staffing shortage at the China Lake Branch Medical Clinic, military dependents are being urged to use their CHAMPUS benefits in the community when clinic service is unavailable. However, if the CHAMPUS deductible hasn't yet been paid, this might mean an unexpected \$50 first-time patient fee.

Helping military families is the mission of the Navy-Marine Corps Relief Society (NRS). If a military family cannot afford the

\$50 CHAMPUS deductible, stop by the NRS office on Blandy Ave. NRS will issue a check immediately. Later, the family is required to return for a budget review to determine whether the money is considered a loan or grant.

The NRS office is open between the hours of 11 a.m. and 2 p.m. on Mondays, Wednesdays and Fridays. During off-hours, call NWC ext. 2921 for further instruction to obtain assistance.

Remember, NRS also has a visiting nurse program as a free service to military dependents.

# Kurotori takes EEO counselor's challenge

With more than 14 years of federal civil service, Ann Kurotori has been selected to succeed Barbara Fedoriga as the Naval Weapons Center's full-time EEO command counselor. Fedoriga is retiring today, Aug. 31, after 27 years of federal civil service.

While currently working as the Federal Women's Program Manager, Kurotori worked her way through the ranks as a secretary, personnel management specialist, complaints manager and the Hadaicap Program Manager since coming onboard in March of 1976.

The EEO command counselor serves as a conduit for workplace issues involving practices which may be discriminatory. The counselor is neither an employee advocate or a management representative; rather, her analysis of the issues are grounded in her knowledge of the organi-

zation, Center policies, federal personnel regulations and EEP Commission rules, and on how these rules apply to the complaint.

Through counseling, mediating, fact-finding and problem-solving techniques, the counselor's objective is to resolve complaints as early and at the lowest level as possible. In the course of bringing the parties together, the counselor may be called upon to analyze the situation to assist in exploring alternatives for resolution. Like all EEO counselors, the command counselor has full access to all areas and all levels of the center and is authorized to obtain any information which may be relevant to the resolution of the issues. While three collateral duty EEO counselors are available, all initial EEO complaints will be referred to Kurotori for initial processing.

"I see my role as part of an overall effort to make NWC a productive work environment for everyone," said Kurotori. "Differing viewpoints need to be heard and addressed if they cause distrust and conflict. Usually, by the time an issue comes to my office, efforts have been made to solve the problem; but it hasn't been solved for any number of reasons. Sometimes, the issues are much more subtle and deeper than simply defining who's 'right' and who's 'wrong.' If a person perceives there's a problem, there is a problem. Sometimes real changes have to be made -- by the organization, by the complainant or by others."

Located in Room 222 of the Human Resources Department, 505 Blandy, Kurotori can be reached by calling NWC ext. 3129.



Ann Kurotori

# Center works toward ending EPA non-compliance status

Formal notice applies to hazardous waste analysis plan only

Officials at the Naval Weapons Center received a notice of non-compliance from the U.S. Environmental Protection Agency (EPA) for failing to develop an adequate waste analysis plan as required by federal law.

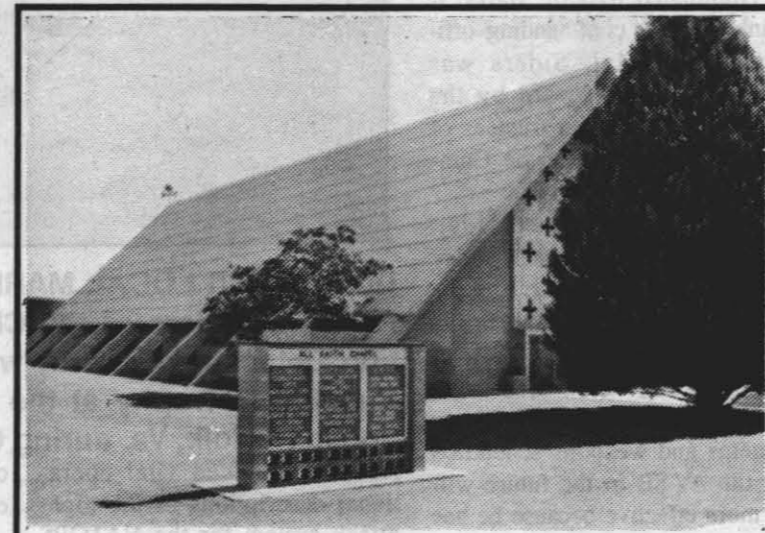
The document in question is required to identify whether wastes are hazardous and how wastes must be treated.

The EPA reviewed the hazardous waste storage facility permit on April 18, 1989. At that time, these

plans were determined to be inadequate under current EPA regulations.

NWC submitted an upgraded waste analysis and closure plan to EPA on April 11 of this year. EPA accepted the closure plan as adequate, but rejected the waste analysis plan.

EPA issued a notice of non-compliance on August 27. NWC has been working on a revised plan since April 11 and will resubmit this updated version to EPA as soon as it is complete.



## Divine Services

Protestant	
Sunday Worship Service, East Wing	8:00 a.m.
Sunday Worship Service, Main Chapel	10:30 a.m.
Sunday School, 1008-10 Blandy & 1903-05 Mitscher	9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June)	11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday	6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday	7:00 p.m.
Islamic	
Jumaa Prayer (Friday at 1006 Blandy)	1:00 p.m.
Roman Catholic	
Sunday Mass, Main Chapel	9:00 a.m.
Daily Mass, Small Chapel	11:35 a.m.
Confession (Sunday), Small Chapel	8:15-8:45 a.m.
Confession By Appointment	Anytime
Religious Education Classes (Sunday) (September thru May)	10:30 a.m.
1902 Dibb, 1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher	
Jewish	
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
Chaplain S. A. Casimano, LCDR, CHC, USN Chaplain G. L. Goodman, LT, CHC, USNR Hearing Impaired Equipment, Nursery Available Phone NWC ext. 3506, 2773, 2873	

# DRMO sets September surplus sale of forklift, PCs, tractor and more

Local Auction 41-0447 of surplus government property will be held by the Defense Reutilization and Marketing Office at China Lake on Wednesday, Sept. 12.

The auction will begin at 9 a.m. in Bldg. 1073, Warehouse 41. The public is encouraged to bid.

Among the 225 items to be offered will be a forklift, Graflex cameras, hand and power tools, drafting tables, PCs, auto repair shop equipment, blueprint copiers, scales, welder, refrigerators and stoves and a Ford tractor.

The items will be on display for inspection from 7:30 a.m. to 2:30 p.m. daily, except weekends, beginning Friday, Sept. 7. A complete list, as well as sale

terms and conditions, can be seen at Building 1073, Warehouse 41.

Registration begins at 7:30 a.m. on the day of the sale. Bidders must be present and registered to bid. Mailed bids cannot be accepted. Items purchased

may be removed on the sale date, provided full payment is made. Payment must be in cash or guaranteed instrument (cashier's check, money order, traveler's check, etc.).

Purchasers have until Sept. 19 to pay and remove items, except items 212 thru 216, which must be removed by Sept. 28.

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

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



**NWC Fall Clean-up Day Set for Saturday, Sept. 29, 8 a.m. to noon: Deadline for work request submissions is today!**

# Courses in external degree program start in September

(Continued from Page 16)

in the bachelor's degree program in computer science.

ADM 572: Science, Technology and Administration (5 quarter units)

Sept. 18-Nov. 27; Tuesdays, 1610-2110; Training Center. By Dr. Kistler and Robert Glen, NWC ext. 3215.

Scope: An exploration of the interrelationship of science, technology and government from a values and policy perspective.

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

MGT 677: Special Topics in Operations Management (5 quarter units)

Sept. 17, Nov. 26; Mondays, 1610-2110; Burroughs High School. By Professor Attaran, CSUB, (805) 664-2326.

Scope: Analysis of a wide range of policy decisions, with focus on the role of operations manager in planning and implementing programs. This course provides the opportunity to present an in-

depth study of cases and readings relating to current topics in both manufacturing and services. Topics include manufacturing's current position; competition in the global economy; Japanese approach to productivity; factory of the future; motivational factors and newly developed and developing tools and techniques for improving product and service quality and competitive position. New technology justification and assessment will also be studied.

General Comments

1. Textbooks are available 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 an off-Center Training Request (DD Form 1556) before registration if NWC is expected to pay for the training.

For more information about these classes, contact Cecil Webb, NWC ext. 2648.

# Recertify soldering rating

On Sept. 5-7, a 24-hour update recertification course to MIL-STD-2000 will be held from 7:30 a.m. to 4:30 p.m. at 543 Graaf Street.

This course is for government/contractor personnel requiring annual recertification as inspectors or operators. The prerequisites for the course are (1) previous certification to WS-6536 or DOD-STD-2000 and (2) a current eye examination.

To be scheduled into class, contact the Soldering Technology Training Facility, Code 36812, 446-5571.

# Pettit advises CSUN students

Professor Pettit of Claifornia State University, Northridge (CSUN) will be on-center Sept. 19 to advise students about the Master's Degree Program in electrical engi-

neering offered by the school.

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

# Training Center offers satellite presentation


NWC's Training Center is offering the following four-hour course.

A Practical Approach to Improvement Sept. 26, 0800-1300, Carriage Inn. By Peter Scholtes


Scope: This presentation will be via satellite from George Washington University. Many managers unknowingly tamper with work processes by using new tools and training techniques that prove to be gim-

micks. They need to learn the steps to real quality improvement. This course describes the differences between the hard work of true improvement and an illusion of progress. It discusses how to institutionalize successful improvements. Peter R. Scholtes is a colleague of Dr. W. Edward Deming a practitioner of the Deming method for quality and productivity.

Deadline: September 12



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Lunch specials include: Regular size Blimpie sandwich of the day, your choice of potato salad or cole slaw, and a medium drink.



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446-6969 FAX 446-3867

## Applications for Co-op Program being accepted

Cerro Coso Community College will be accepting applications for the Cooperative Education Program (Co-op) until Friday, Sept. 7, at the Student Services Center. The Co-op Program is a joint effort between the Naval Weapons Center and Cerro Coso which provides the opportunity for interested students to earn a two-year degree from Cerro Coso while receiving on-the-job training at NWC. The program takes approximately two and one half years to complete in the fields of electronic technician, engineering technician, physical science technician, computer science technician, drafting and business office careers.

In order to apply, a student must meet the following requirements and fill out the following forms:

1. Be a U.S. citizen.
2. Be a high school graduate or the equivalent.
3. Be a full-time student (12.0 units or more) at Cerro Coso.
4. Maintain at least a 2.75 average and be a student in good standing at Cerro Coso.
5. Fill out an S.F. 171 Form, a Cooperative Education Application Form (available at the Counseling Center), cover letter, provide copies of high school and college transcripts and take the College Placement Exam.

Interested individuals should see a college counselor or counseling technician in order to plan an appropriate course of studies at Cerro Coso.

Applications will be screened and those selected will be interviewed by NWC. Students selected for the program will work a maximum of 1300 hours per year and will have a flexible work schedule arranged around their classes at Cerro Coso.

For more information, call the Student Services Center at 375-5001, ext. 219.

## College plans CPS exam

Cerro Coso Community College is proctoring the Certified Professional Secretary Examination (CPS) on Thursday, Nov. 1, and Friday, Nov. 2. All full-time employed secretaries, college/university students and business educators are eligible to take this examination.

Interested secretaries must apply to take this two-day examination on or before Sept. 15 to qualify for the November examination date. Participants are urged to take all six parts of the examination on the first attempt; however, individuals may take from one to six parts on any attempt. The six sections include Behavioral Science in Business, Business Law, Economics and Management, Accounting, Office Administration and Communication, and Office Technology.

No matter what the field of endeavor, the common bond of all who seek professional status is the recognition of an accepted body of knowledge, maintenance of professional standards, a quest for growth and development and pride in performance. The CPS rating is a significant, measurable and attainable goal for career-oriented secretaries who want to be identified as exceptional. Achievement of the CPS rating provides the self-assurance that comes from having met a recognized professional proficiency standard -- a capstone.

For further information on fees or an application, contact the College Vocational Education Department at 375-5001, ext. 242.

### Happy Labor Day

But most of all, have a safe one

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## CSUB classes begin next month at NWC

Following are classes being offered this Fall for the Cal-State University, Bakersfield (CSUB) bachelor's degree in business administration and the master's degree in administration programs. To enroll in these classes, submit an On-Center Training Request and Authorization Form (NAVWPNCEN 12410/73) via department channels to Code 224. Registration will be held at the first class meeting. *Deadline for enrolling is 10 calendar days before the starting date of the class.* Enrollments in courses will be on a first come, first served basis, unless otherwise stated.

**MGT 300: Management and Organizational Behavior (5 quarter units)**

Sept. 17-Nov. 26; Mondays, 1610-2110; Training Center. By Professor John Hulpke, CSUB, (805) 664-2326.

Scope: An introduction to organizational and management concepts and theories with special attention to the functions of management, individual and group behavior, perception, motivation, influence processes, interpersonal communication and

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

**POL SCI 308: Government and Politics in China (5 quarter units)**

Sept. 18-Nov. 27; Tuesdays, 1610-2110; Training Center. By Professor Ray Geigle, CSUB, (805) 664-2352.

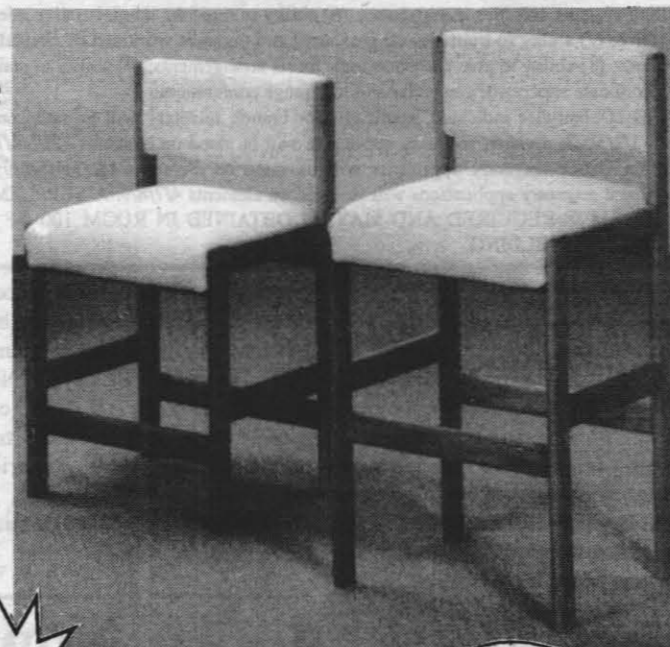
Scope: An examination of institutions and processes of government in China. Emphasis on the ideas of Marx, Lenin and Mao, the Chinese political culture, the party, the military, communalization, and the cultural revolution as determinants of contemporary politics and policy change in China.

Note: This course satisfies General Education Goal IX for CSUB students in the bachelor's program. It satisfies the non-Western studies requirement for California State University, Chico students (Continued on Page 17)

# - GO, HIPPO -

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## China Lake retirees listed in directory

Mail deliveries in the Indian Wells Valley and surrounding area currently include the recently completed fourth update of the *NWC/NOTS Military and Civilian Retiree/Alumnus Directory*.

The purpose of this directory, which has been compiled by a committee headed by W. H. Davis, is to enable the recipients -- all those who have sent in their names and addresses -- to remain in contact with their friends and associates at China Lake.

The July 1990 edition of the directory has grown to include nearly 1,100 names and addresses, in contrast to the first directory issued in January 1986 that carried information on just 377 former NWC/NOTS civilian retirees.

Since April 1989, when update No. 3 of the *NWC/NOTS Directory* was published, more than 200 new names have been added. Of this number, about 40 percent said they are fully retired, while about 45 percent reported they are working full time.

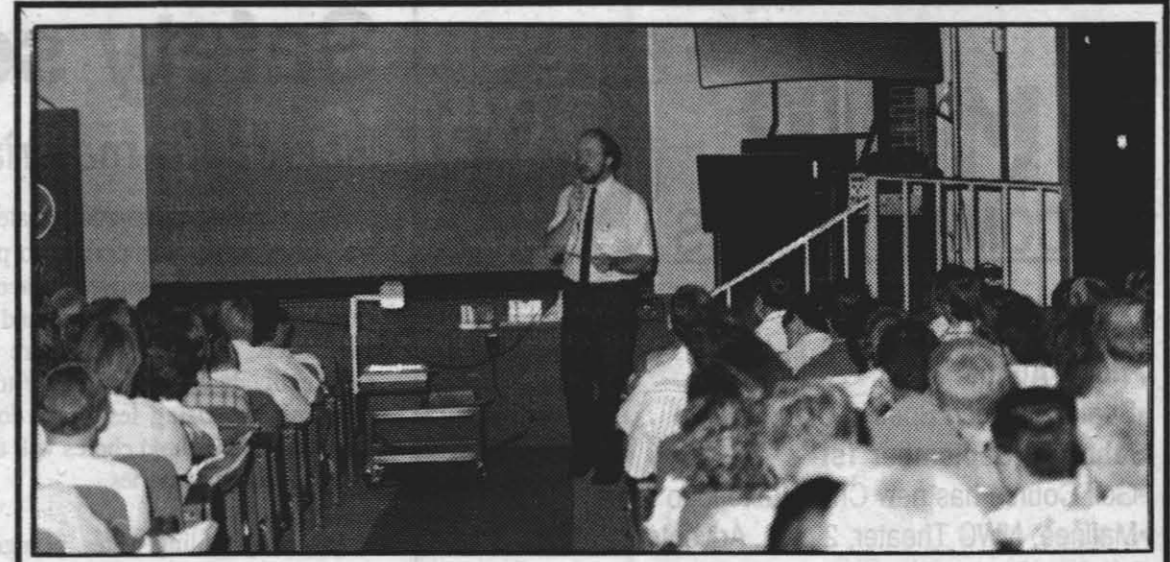
Leisure-time activities favored by the retirees are travel (80 percent), fishing (more than 40 per-

cent), arts and crafts (35 percent), and golf (30 percent). In addition, nearly 40 percent are involved in some form of community service.

While Ridgecrest is the predominant hometown listed for directory recipients, a glance through the booklet discloses NWC/NOTS retirees and alumnus have established themselves as far away as Bethesda, Md., and in such colorful-sounding communities as Half Moon Bay (Calif.), Broken Bow (Okla.), Bar Harbor (Wash.), Keka Ha (Hawaii), Sunriver (Ore.) and Roundup (Mont.).

Persons who want to be in the next volume of the directory should send a postcard to Bill Davis at 235 Apache Lane, Ridgecrest, CA 93555. Include name, address, telephone number, spouse's name, the year retired and the number of years as a federal civilian employee or years of service in the military.

Committee members working on the directory with Davis are John DiPol, Bob McKenzie, Louise Mitchell, Jean Rollingson and Don Yockey.



**TD SEMINAR**—Dr. Joseph Dondelinger faced a capacity crowd in Michelson Laboratory's Room 1000D when he discussed "The Soviet Under under Gorbachev" last week. The lecture provided a fresh perspective on events of the past year in Eastern Europe and the Soviet Union. Dr. Dondelinger talked about the changes in the Communist Party, in the Soviet government and how these changes were impacting the military establishment. He also discussed the impact of a unified Germany, the transition to a free market economy and the effect the policies of "glasnost" and "perestroika" are having on Soviet society, Soviet military and the various republics incorporated into the Soviet Union. Photo by PH3 Cary Brady

## Better weather forecasting service set

Better service for customers is the goal AGC R. Landis had when he decided to change the schedule for weather forecasters at the Naval Oceanography Command Detachment at China Lake. The schedule change, effective September 1, will mean a more current and thus more accurate evening forecast on

the recorded weather forecast message. Chief Landis said the change will put a forecaster on duty from 5 a.m. to 8 p.m. on work days. The recorded forecast will be updated around 7 a.m. each morning and before the forecaster leaves for the day each evening.

## Contest open to military also

Santa Cruz, CA -- The deadline for the American Poetry Association's contest is Sept. 30. The contest is open to everyone and entry is free. Contest participants should send one original poem, no more than 20 lines, name and address on top of the page, to American Poetry Association, Dept. CO-87, 250-A Potrero St., P.O. Box 1803, Santa Cruz, CA 95061. Entries must be postmarked by Sept. 30.

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<p><b>Macintosh II</b> 48MB, 40ms \$419 internal 100MB, 15ms \$779 internal 200MB, 15ms \$1149 internal</p>	<p><b>XT</b> 32MB, 65ms \$229 (HDC* \$49) 49MB, 28ms \$329 (HDC \$49)</p>
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<p><b>Removable AT</b> 60MB, 20ms \$529 (H/FDC** \$39) 83MB, 20ms \$599 (H/FDC \$39) 107MB, 15ms \$889 (H/FDC \$39) 177MB, 15ms \$1199 (H/FDC \$39)</p>	<p>All Bernoulli drives are on sale. Examples: 44MB ext Mac \$1144 44MB ext IBM \$1269</p>
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<p><b>external AT</b> 48MB, 38ms \$419 83MB, 20ms \$539</p>	<p><b>AT and 386</b> 44MB, 28ms \$329 (H/FDC \$45) 84MB, 28ms \$419 (H/FDC \$39) 122MB, 28ms \$689 (H/FDC \$79) 200MB, 28ms \$1149 (H/FDC \$39) 332MB, 14ms \$1519 (H/FDC \$39) 330MB, 11ms \$1679 (H/FDC \$39)</p>
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<p><b>Mac Plus</b> 20MB, 40ms \$489 48MB, 40ms \$579 28ms add \$30</p>	<p><b>BERNOULLI TECHNOLOGY</b> *HDC = hard disk controller **H/FDC = hard-&amp;-floppy disk controller</p>
--	--

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# MWR UPCOMING EVENTS



- Friday, August 31st**  
 •Seafarer Lunch Special-Crab Salad
- Saturday, September 1st**  
 •Golf Course has new China Lake logo items!  
 •Matinee, NWC Theater, 2 p.m., Adventures of Milo & Otis
- Sunday, September 2nd**  
 •Open Roller Skating, Youth Center, 1-4 p.m.
- Monday, September 3rd**  
 •Seafarer Lunch Special-French Dip  
 •Grilled Steak/Chicken 11 am to 1 p.m. •Seafarer
- Tuesday, September 4th**  
 •CRAFTECH Daytime Classes•Sign-up Today!  
 •BINGO-Seafarer, 7:00 p.m. X2581  
 •Seafarer Lunch Special- Sloppy Joes  
 •Well Animal Clinic, CRAFTECH, 10 a.m. to 3 p.m. X3252
- Wednesday, September 5th**  
 •Mid-week stress? Come play 18 at the Golf Course!  
 •Call for Information on "Jazzercise" X6542  
 •Seafarer Lunch Special-Crab Salad
- Thursday, September 6th**  
 •Seafarer Lunch Special-Taco Salad  
 •Sign-up for the 1990 Mini Triathlon• X6542  
 •King of the Hill Bowling begins 9/8• For info, X3471

**•Back to School Brunch•**  
 Seafarer Club-Sunday-Sept. 9th  
 10 a.m. to 2 p.m. X2581

## Fall Clean-up

Today (Friday) is the deadline for work requests needed for the 1990 Fall Clean-up Day at the Naval Weapons Center. If material need to be bought, Richard Dominguez of the Self-Help Program Office needs to hear from Center codes today. His phone number is NWC ext. 1205.

**Plotter Pens**  
 Virtually Every Brand

Get very fresh plotter pens in a day or two. Brands include HP, Tektronix, Houston Instruments, Seiko, CalComp, IBM, PlotPro, Bruning/Zeta, TI, Roland, Rapidograph, 3M, American Graphtec and more.

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 Fall, 1990 Short Course Schedule

**EMP HARDENING DESIGN & TEST FOR FACILITIES**  
 October 23-24, 1990 Washington, DC

**EMP HARDENING DESIGN AND TEST FOR ELECTRICAL EQUIPMENT**  
 October 25-26, 1990 Washington, DC

**A QUICK & THOROUGH INTRODUCTION TO NEC (NUMERICAL ELECTROMAGNETICS CODE)**  
 November 14-16, 1990 Washington, DC

**INTRODUCTION TO EMI/TEMPEST THEORY**  
 October 15, 1990 San Diego, CA

**HOW TO MEET EMI/TEMPEST SHIELDING REQUIREMENTS FOR ROOMS & FACILITIES**  
 October 16-18, 1990 San Diego, CA

**PHYSICAL SECURITY FOR SENSITIVE COMPARTMENTED INFORMATION FACILITIES (SCIF)**  
 October 19, 1990 San Diego, CA

All courses are also available on an on-site basis. For more information on these and other courses, call, FAX or write:

**PRAXIS INTERNATIONAL, INC.**  
 Training Division  
 Exton Professional Bldg., Suite 103  
 319 N. Pottstown Pike, Exton, PA 19341  
 TEL: 215-524-0304 FAX: 215-524-0438

# Safety sense: Hazardous materials can be avoided in the home

Safe handling of hazardous materials at home, as well as at work, is important to practice. Finding less hazardous alternatives to accomplish simple cleaning tasks, rid your home and garden of pests and insects, and refinish furniture is one way you, as an individual, can contribute to preserving our environment. Using less hazardous materials to accomplish household chores will also decrease the risk of accidental injuries.

Try:

- (a) using boiling water, plungers and a metal snake to replace harsh drain cleaners.
- (b) substituting mild detergents for toilet cleaners.
- (c) replacing rodent bait with cats, traps, chopped bay leaves and cucumber skins.
- (d) lathering yourself with skin creams or lotions and using screens and protective clothing instead of chemical insect repellent.
- (e) using cedar chips instead of mothballs.
- (f) strong hosing, hand picking, or the use of natural predators to handle the insect problem in your garden.
- (g) cleaning windows with vinegar and water and drying with newspaper.
- (h) substituting baking soda, mild detergent and

elbow grease for cleansers and powder cleansers.

- (i) painting with water-based paint if possible; avoid aerosol sprays.
- (j) replacing furniture strippers with sandpaper or a heat gun.
- (k) replacing furniture stains and finishes with latex paint or natural earth pigment finishes.
- (l) using a mixture of bar soap and water or old dishwater and spraying this mixture on the leaves of houseplants then rinse with water in place of chemical pesticides.
- (m) replacing flea collars and sprays with herbal collars or ointments made of eucalyptus or rosemary or add brewer's yeast in the pet's diet.
- (n) eliminating roaches with traps or baking soda and powdered sugar mixture.
- (o) preventing ants from entering your home by using chili powder to hinder entry.
- (p) replacing oven cleaners with baking soda and water.
- (q) replacing chemical fertilizers with peat moss, compost and fish meal.
- (r) using a mixture of one pint lemon juice and two pints vegetable oil to replace furniture and floor polishes.

By Safety Program Office

BEGAN AUGUST 27

## Armed Forces Voters' Week



**CLOTA presents**

# AMADEUS

by Petter Shaffer

**Friday & Saturday  
 August 24 & 25  
 August 31 & September 1  
 The Carriage Inn**

**Fridays - Dinner Show - \$19.95**  
 Dinner served at 6:00 P.M.  
 includes choice of Prime Rib or Chicken Wellington

**Saturdays - Cocktail Show - \$10.00**  
 Cocktails served at 7:00 P.M.

Reservations and ticket sales are handled by The Carriage Inn, Front Desk or by calling 446-7910

# Reassignments...

(Continued from Page 14)

tems Division, Range Department. The branch is involved in the processing of data from film, video, laser, and radar instrumentation on the North Ranges. The professional activities of this position include liaison with projects and range operations personnel, identification of data product specification for the film reading contractor, specification of software to accommodate range customer needs, and the verification of all data products prior to release to the range customer. This position is physically located in the new instrumentation lab of the Range Control Center complex. Please send current SF-171 to Joe Dorgan, Code 6252, or call NWC ext. 6734 for more information. This position has a promotion potential to the DP-3 level. Previous applicants need not reapply.

No. 64-013, Mechanical Engineer, DP-830-3, Code 6431- This position is located in the Radar Development Branch, Radar Threat Technology Division, Aerosystems Department. The incumbent will be responsible for the mechanical design aspects of radars and radar threat simulators. In particular, the incumbent will design the mechanical aspects of threat simulator antennas, phased array antennas and radomes. This design shall include all aspects with regard to mechanical strength and structural integrity, wind loading, vibrations, cooling, environmental integrity, and the control and servomechanism aspects of antenna control and pointing. Send an updated SF-171 to Wade Swinford, Code 6431, NWC, ext. 2878.

## 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 applicants 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.

**SECRETARIAL COLUMN**  
 No. 30-010, Secretary, DG-318-2/3, Code 306 -  
 Incumbent will provide secretarial support to the Advanced Technology Support Program of the Weapons Planning Group. Knowledge and working skill on the Macintosh PC is desirable. Applicants must be able to obtain and maintain a Top Secret clearance based on a Special Background Investigation. Promotion potential to DG-3.

No. 36-018, Secretary (Typing), DG-318-1/2, Code 3686 - Area of consideration is limited to the 03 directorate. This position is located in the Reliability/Maintainability Branch, Engineering Department. Knowledge of SECNVINST's 5216.5C and 5210.11D, NWC correspondence procedures, and travel regulations required. Experience with Macintosh II is desirable. Promotion potential to DG-2 but not guaranteed.

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# Give coworkers peace of mind -- donate extra hours

Employees indicated below have been approved to become leave recipients under the Leave Transfer Program. These employees have exhausted annual and/or sick leave because of personal emergencies and will be in a non-pay status for at least ten days. Employees who wish to donate annual leave to the employee should fill out the form at the end of this column, clip it out and send it to Code 221. For more information about this program, call NWC ext. 2018.

**Lois Baker, Personnel Assistant, Code 226 --** had reconstructive surgery on her right foot.

**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 hit 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.

**Mary Burchett, Engineering Data Management Specialist, Code 3652 --** suffered a myocardial infraction Jan. 1 and is presently undergoing cardiac rehabilitation.

**Joseph Sapp, Laborer, Code 26415 --** underwent surgery for a broken ankle and will be totally disabled until August.

**Mary Jane Hall (Olson), PSD --** is recovering from surgery complications.

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

**Gail Reed, Security Specialist, Code 2433 --** is in need of leave due to complications of pregnancy.

**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 indebted for leave due to surgery and on-going chemotherapy treatments.

**Leslie O'Neil, Computer Systems Analyst, Code 2732 --** has returned to work after surgery and is indebted for leave.

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

**Polly Bainbridge, Secretary, Code 3922 --** underwent surgery and will be off work until September. She is still caring for her husband.

**Carolyn King, Engineering Data Management Specialist, Code 36541 --** underwent surgery and will be off work until September. She is still caring for her husband.

**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.

**Leave Donation Form**  
 Complete and send to Code 221

From: \_\_\_\_\_

Code: \_\_\_\_\_

I wish to donate \_\_\_\_\_ hours of my annual leave to: \_\_\_\_\_

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386/25MHz with 32K cache	469
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RAM: per megabyte up to mbd capacity	65
case style: full-size tower	45
19" rack mount	480

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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 Blandly. 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. 25-012, Procurement Analyst, DA-1102-1, Code 253** - The incumbent, under close supervision of a senior Procurement Analyst, is provided with progressively responsible experience in learning the basic principles and procedures of government contracting; in analyzing policies, procedures and regulations for large contracts and small purchases; and in analyzing statistical data and writing reports for a wide variety of procurement topics. Experience gained in all facets of Government R&D contracting. **Job Relevant Criteria:** Knowledge of business practices; ability to gather, compile and analyze data; ability to deal effectively with people; ability to communicate orally; ability to communicate in writing. Promotion potential to DP-3, but not guaranteed.

**No. 25-013, Procurement Officer, DA-1102-1/2/3, Code 258** - The incumbent acts as a contracting officer utilizing small purchase and expedited contract procedures to acquire goods and services. If selection is made at the DA-1 level, incumbent will be under the close supervision of the senior branch contracting officer, provided with progressively responsible experience and training in awarding and administering firm fixed-price and similar contracts, and orders under contracts of this type. Travel and off-Center training is required. **Job Relevant Criteria:** Knowledge of Navy simplified purchase. Knowledge of business practices. Ability to gather, compile and analyze data. Ability to communicate orally. Ability to communicate in writing. Ability to use APAGE.

Promotion potential to DA-3, but not guaranteed.

**No. 27-003, Interdisciplinary General Engineer/Electronics Engineer, Electrical Engineer, DP-801/855/850 -2/3, Code 2712** - This position is located in the Telecommunications Projects Branch, Communications Division, Information Systems Group. The prime function of this position will be to assist in analyzing user requirements and in overseeing integration of the Center Telecommunications System (CTS) with emphasis on quality assurance. Responsibilities include defining technical strategies, performing user analysis, verifying CTS architecture and system integration for compliance to requirements. The incumbent will also analyze technology trends for voice, data and video network systems. Training will be provided in telecommunications network systems. Some travel involved. **Job relevant criteria:** Knowledge of structured system development and integration techniques and practices; Knowledge of communication subsystems including gateways, LANs, bridges, digital switches, and fiber optics; Knowledge of communication standards (e.g., CCITT series, IEEE 802, SONET, ISDN, FDDI); Knowledge of communication control mechanisms such as network management, voice and data transmission techniques, computer networking and communication system performance characteristics; Ability to communicate orally; Ability to communicate in writing; Ability to oversee a project from initiation to completion. Promotion potential to DP-3, but not guaranteed. Previous applicants need not apply.

**No. 30-011, Mathematics Aid/Mathematics Technician, DT-1521-A/1, Code 3033** - These positions are located in Weapons Planning Group Department, Weapons and Tactics Analysis Center (WEPTAC) Wargame Support Branch. The branch provides support to the WEP-TAC Operations Branch. The incumbent actively and directly participates in military wargames and simulations based on a working knowledge of the wargaming systems and software as well as Navy tactics, doctrine, and terminology, the incumbent enters wargame commands in to a computer terminal and advises acting Unit Commanders in the conduct of games and simulations. Incumbent provides initial instruction on work station equipment, range of permissible commands, and basic operation and capabilities of the system and wargame models. **Job Relevant Criteria:** Ability to interpret and apply instructions; ability to communicate orally; ability to communicate in writing. Must be able to obtain and maintain a Top Secret clearance. Promotion potential DT-2.

**No. 39-027, Computer Special**

**ist, DS/DP-334-2/3, CODE 39B9** - This position is located in the Advanced Technology Exploitation Office, Anti-air Projects Office, Intercept Weapons Department. The incumbent will be responsible for managing mini-frame computer systems (MV3800/MV3100 and SG4D/80GT workstations) as well as performing applications program-

ming in support of program analysis. **Job relevant criteria:** Knowledge of VAX and Silicon Graphics computer systems; Skill in programming in VAX/VSM and UNIX environments. A TOP SECRET clearance based on an SBI is required. Promotion potential to DP-3, but not guaranteed.

## 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. 31-039, Interdisciplinary (General/Electronics/Electrical/Aerospace/Mechanical Engineer/Physicist/Mathematician/Computer Scientist), DP - 801/855/850/861/830/1310/1520/1550-2/3, Code 3191 (Multiple Vacancies)** - This position is in the A-12/NATF Systems Engineering Branch of the Aircraft Weapons Integration Department. The incumbent provides software engineering support to the A-12 Weapon System Support Activity and NAVAIR. The job involves software integration, real-time Ada software development, and software testing for a distributed embedded computer aircraft system. Aircraft avionics experience preferred. Must be able to obtain and maintain a Top Secret security clearance. To apply, send updated SF-171 to Victor Saucedo, Code 3191, x5863. Previous applicants need not reapply.

**No. 31-040, Interdisciplinary (General/Electronics/Electrical/Aerospace/Mechanical Engineer/Physicist/Mathematician/Computer Scientist) DP-801/855/850/861/830/1310/1520/1550-2/3, CODE 3191 (Multiple Vacancies)** - This position is in the A-12/NATF Systems Engineering Branch of the Aircraft Weapons Integration Department. The incumbent provides system engineering support to the A-12 Weapon System Support Activity and NAVAIR. The job involves hardware and software avionics integration, real-time Ada software development, avionics testing, and weapons integration. Aircraft avionics experience preferred. Must be able to obtain and maintain a Top Secret security clearance. To apply, send updated SF-171 to Victor Saucedo, Code 3191, NWC ext 5863. Previous applicants need not reapply.

**No. 31-045, Interdisciplinary (General/Electronics/Electrical/Aerospace/Mechanical Engineer/Physicist/Mathematician/Comput-**

**er Scientist), DP-801/855/850/861/830/1310/1520/1550-2/3, (Multiple Vacancies), Code 3194** - This position is located in the F/A-18 Systems Engineering Branch of the Aircraft Weapons Integration Department. The incumbent will be responsible for providing test plans, specifications, and procedures for performing verification and validation testing of the F/A-18 tactical software. The incumbent will perform, as required, subsystem and system-level testing (both laboratory and flight) and will provide analysis support on design and development or problems reported. Full performance of this position is DP-3. To apply, send an updated SF-171 to F. Bachinski, Code 3194, NWC ext. 5661. Previous applicants need not reapply.

**No. 36-016, Interdisciplinary (General/Mechanical/Electrical/Electronics/Aerospace Engineer/Physicist/Operations Research Analyst/Mathematician) DP-801/830/850/855/861/1310/1515/1520-2/3, Code 36251** - Area of consideration is limited to the 03 Directorate. This position is located in the Systems Engineering Section of the Missile Guidance Branch and involves the development of mission planning systems and procedures for air launched weapons. Duties include analysis of mission planning requirements, development of planning procedures and integration of these procedures into automated mission planning systems such as TAMPS. Knowledge of tactical air operations, targeting and computers desired. Promotion potential to DP-3. Please submit a current SF-171 to Ken Morton, Code 36251, extension 3616.

**No. 62-017, Interdisciplinary (Physicist/Mathematician/Computer Scientist), DP-1310/1520/1550-2/3, Code 6252** - This position is located in the Data Branch, Data Sys- (Continued on Page 15)

# Technical officer's award presented to Cdr. Behr

(Continued from Page 1)

Supporting miscellaneous test efforts is yet another function of the T&E office. "We get involved with the aircraft Operational Flight Program (OFF). When F/A-18 tests 89C or 89A or when A-6 tests OFF E-250 and we end up helping them with the HARM portion of the test. Additionally we're integrating HARM Block III with EA-6B, F/16, F/14D" said Cdr Behr.

The T&E Office is involved with foreign military sales because European countries do most of their testing over here. "Right now we're in the initial phase of looking at the Spanish release of HARM as well," said Behr. "We end up getting involved early on, because when they buy, if they want to test it they don't have the range assets over in Europe."

According to Cdr. Behr, the Fleet Effectiveness and Suitability job basically coordinates HARMs relationship with the fleet squadrons. The office helps arrange weapon firings with the fleet. This requires responses to constant messages traffic from the fleet questioning how the weapon does in various scenarios. "Since Iraq fired up, we've been getting an OP Immediate message every three days...The Communication Center knows

me on a first name basis."

When HARM Block III was initially introduced this spring, project personnel went on a road show to all the fleet squadrons providing training briefs "on what HARM Block III did and didn't do." They wrote the User's Guide for Block III which is a technical description of what the missile and system does. Cdr. Behr commented, "this is in contrast to VX-5's Operational Tactics Guide, which are tactical recommendations on how to use the weapon system."

The citation letter praised Behr for his superior execution of responsibilities and effective leadership. "You have developed the overall architecture for the firing matrices that test and evaluate the multiple aircraft/HARM configurations."

Cdr. Behr's impressive work ethic and establishment of critical rapport with important on and off center personnel, lead to his being honored by outside organizations as well. "You have been singled out and congratulated by your COMNAVAIRSYSCOM sponsors, RAdm. (S) Newman and Capt. Pfizenmaier," the nomination letter went on to say.

The commander was enthusiastic about the military and civilian personnel he works with. "The folks that work out here at

Thompson Lab and at NWC in general, don't seem to make distinctions between whether you're military or civilian. Everybody's on the same team." He went on to say, "the award was given to me, but really it should be given to all the folks that are out here. It's easy to look good when you've got a bunch of good people work-

ing for you."

The citation accompanying the Technical Office Award, signed by Haaland stated, "you are an exceptional Naval Officer who has been entrusted with responsibilities worthy of our finest, experienced civilian engineers. Your spirit and energy reflect very favorably on the Center and

the U.S. Navy."

Originally from St. Louis, Mo., the commander met his wife Debbie in California. The couple has four children, including a set of twins; they are Daniel, 12, Joshua, 11, and the twins, Karen and Beth. The twins are 10 years old and were born in Ridgecrest.



**TECHNICAL EXPERTISE AWARDED**—Sterling Haaland, laboratory director (left) and Capt. Kapernick, deputy laboratory director (right) presented Cdr. Michael "Yogie" Behr with NWC's Laboratory Director's Technical Officer Award. Mrs. Debbie Behr joined in the celebration. Photo by PH3 Cary Brady

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# NEX selling 'Lone Sailor'

### Proceeds support completion of the Navy Memorial

October 13 is the 215th birthday of the U.S. Navy and the third birthday of the Navy Memorial in Washington, D.C. As part of its commemoration of these anniversaries, the Navy Exchange System will sell replicas of the Lone Sailor statue, which honors all who serve or who ever served in the Navy. The Naval Weapons Center Navy Exchange will participate in this commemoration by selling the 8-inch tall, bonded bronze statue for \$69.99. The regular retail price is \$85.

Proceeds from this special promotion will go toward construction of the Navy Memorial, which will not be finished until a 22,000 square foot Visitors Center is built next to the Memorial, scheduled to open in 1991.

"The Lone Sailor represents all who serve or ever served in the Navy," says RAdm. William Thompson, the retired Navy flag officer who is president of the twelve-year old Navy Memorial Foundation in Arlington, VA.



# Sealift Command fills Gulf supply pipeline

Within hours after President Bush ordered the major deployment of U.S. troops, aircraft and ships to the middle east on Aug. 8, the Military Sealift Command (MSC) shifted into high gear in a mobilization effort that is proving the Navy's investment of the 80's into strategic sealift has paid off.

**First fast sealift ship was ready to deploy in just 48 hours.**

MSC's commander, VAdm. Frank Donovan, said the response of uniformed and civilian mariners was gratifying. "I am tremendously impressed with the total cooperation displayed by all hands in responding to the international emergency," he said. Donovan also had high praise for the cooperation of civilian union leaders in obtaining crewmembers on short notice, and the maritime administration in reactivating ready reserve force ships. "We could not do our job without them," he said.

The U.S. ability to deter aggression through a strong forward defense around the globe depends heavily on the MSC.

Quick deployment of forces worldwide and sustaining those forces while on station requires enormous amounts of equipment, supplies and troops -- 95 percent of which must be carried by ship.

U.S. Navy and civilian merchant marine sailors aboard the MSC's 13 maritime prepositioning ships (MPS) rushed needed supplies and equipment from Guam, Saipan, and Diego Garcia to the muddled east immediately following the President's order. The surge of supplies reached awaiting marines 7,000 miles away within days, boosting the force's supplies to allow sustained presence in Saudi Arabia.

MSC's eight fast sealift ships, the fastest cargo ships in the world, will speed toward the middle east at 33 knots carrying a mechanized army division in support of U.S. interests. Normally on a 96-hour standby, the first fast sealift ship was ready for deployment in only 48 hours, with the next two on their way in only 72 hours.

MSC has also begun activation of ready reserve force ships, normally held in 5, 10, or 20 day reserve status. These ships, along

with U.S.-flag ships chartered for additional lift, will keep the flow of material constant for U.S. forces in the middle east. MSC cargo ships are also moving army and Air Force equipment and supplies to the troubled region.

**MSC... expertise is paying off every day with ability to meet short-fused taskings.**

Donovan said the MSC's ability to deploy needed equipment and supplies quickly sends a message to both allies and adversaries. "It shows the world that the U.S. is prepared to meet contingencies and protect its interests--any time, any place," Donovan said. "Both the government-owned and the commercial vessels in this operation have met the challenge of transporting military equipment to the contingency area in record time," he added.

Donovan described the 9,000 civilian workers, merchant mariners and military men and women in his command as contributing greatly to MSC's successful support to the Persian

Gulf region. "Training is the key factor in getting the job done, and done well," he said. "MSC personnel are experts in strategic sealift, and their expertise is paying off every day with our ability to meet short-fused taskings."

Another area of prompt MSC response was the activation of the Navy hospital ships *USNS Mercy* and *USNS Comfort*. When notified of their activation, MSC and medical command personnel transformed the 1000-bed floating hospitals from reduced operational status to full-operational status within five days. Crews worked night and day getting ready for deployment, loading foodstuffs, equipment and medical supplies to offer patients first-rate care and support a crew of 1,200 for extended periods. If

conflict should erupt in the middle east, the hospital ships--armed only with large red crosses on each side--will anchor within helicopter range so wounded troops can be transported to relative safety for the most advanced medical treatment.

The importance of strategic sealift capability was formally recognized in 1984 when the secretary of the Navy gave it equal status with the Navy's three main functions--sea control, power projection and strategic deterrence.

"A total team effort by MSC personnel will continue to be the key to meeting our nation's sealift requirements during this crisis--getting what we need on station, on time--every time," Donovan said.

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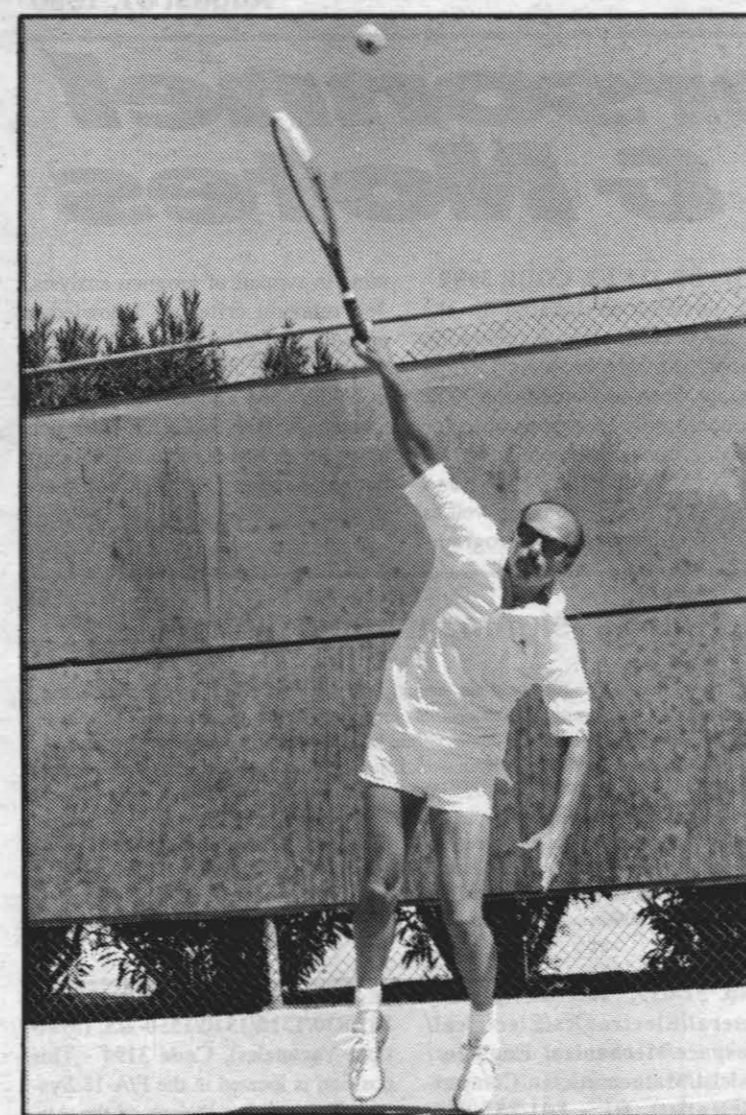
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**NICE SERVE--LCdr. Walt Gromada practices his serve. The NWC test pilot recently came back from representing China Lake at the SOUTHPAC Tennis Tournament, where he reached the finals.**

## Angler catches 11 lb., 4 oz. bass at Lake Isabella

According to Norlyne Klievoneit from French Gulch Marina at Lake Isabella, bass has started to move into the channel at South Fork from Paradise Cove to Rocky Point. One lucky fisherman recently caught an 11 lb., 4 oz. bass.

Catfishing is still best on the lake, whether day or night. They seem to be residing 20-30 feet below the surface in the French Gulch, Boulder Gulch and main dam area. The biggest catfish recently caught was seven feet.

For those who want bluegills, try the coves from high noon on. Trout fishermen will want to fish from the main dam to the North Fork. Better fish deep though, as they seem to be 30-40 feet below the surface. "Now that the weather is cooling off," Klievoneit said, "they should start coming shallower water."

Lake Isabella is one of the largest lakes in California, sporting 2,662 surface acres of water. Currently, its water temperature is 72 to 74 degrees, depending on the time of day and location.

Klievoneit also said that water and jet skiing conditions were great in the main dam area and that sailing and wind surfing was great at the auxiliary dam area.

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# LCdr. Gromada represents NWC in SOUTHPAC tourney

In a close finish, LCdr. Walt Gromada, assistant maintenance officer in the Aircraft Department's Aircraft Support Division, and test pilot at the Naval Weapons Center, was a finalist in the Men's Senior Doubles and Singles Division, South Pacific Navy Regional Tennis Tournament. Held at North Island, San Diego, the contest draws top military tennis players from Southern California Navy bases.

The China Lake representative was also one of five players nominated to represent the Navy during the upcoming Innerservice Tennis Tournament. According to the tennis player, scouts attend the regional events to pick the best players for innerservice competition. "It's quite an honor to get nominated," LCdr. Gromada said. "Out of a number of players, only a few get chosen."

LCdr. Gromada noted he had been a finalist two out of the three years he entered the tournament. "I participated in 1987 and 1988, but my schedule prevented me from going last year," he said.

An active member of the China Lake Tennis Club, LCdr. Gromada has been playing tennis for approximately 20 years. "When I was a child," he said, "I used to go watch the U.S. Open at Forest Hills (New Jersey). I was really impressed with the way they played."

Partnered with Chief Petty Officer Lascara from San Diego, the China Laker was defeated 6-4 and 7-5 for the first place title by a Navy team from San Diego. "There was no one else from China Lake who competed," LCdr. Gromada said. "There are very few of us (military personnel) here who play. I'm hoping that changes in the near future."

# Players needed for flag football

Flag football players are wanted by the Morale, Welfare & Recreation Sports Branch. League play begins Wednesday, Sept. 12.

For further information, call Michelle Martin at NWC ext. 2081.

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# Conditions improving for Eastern Sierra anglers as weather cools

Temperatures have been cold in the higher elevations of the Eastern Sierra area, noted the Bishop Chamber of Commerce. However, while warmer weather is expected to return, the cold weather has improved the fishing. In the Big Pine area, Big Pine Creek has the best fishing, with the lower portion being the place to catch browns on crickets. Tinemaha Creek has also been producing for those using powerbait or cheese and eggs.

Matt Nitschke of Eastern Sierra Fishing Guide, reports that the Lower Owens River in the Bishop area is a tremendous place to fly fish. He recently took out a 17-inch brown using a Blue Dun emerger. A timberline emerger is also an excellent fly to use. The Lower Owens is also a good spot for bass fishing. Try using a chartreuse bushwhacker. Nice golden trout are being taken out of the backcountry. A two and a half pounder was recently caught on a May fly. South Lake is still an excellent area for fishing on most anything. Lake Sabrina has

also been productive.

Trotting Rock Creek Lake with a super duper has proven to be a winner. It seems fishing skills equate to the number of fish being caught.

Fishing is still good at Convict Lake, but is taking a little longer to catch limits. Try using orange powerbait and a patience to hook those two and a half pound trout.

### Limits being taken in June Lake area

Opening at 8 a.m. seems to have hurt fishing at Crowley Lake. Trout are still being caught, but not meeting the 18-inch requirement. Perch fishing is also slower than expected.

In the Mammoth Lakes area, the HOT spot is Lake George. Trout are being taken up to 4 1/2 lbs. with many running up to 3 1/2 lbs. Try using a Panther Martin or an orange Cast Master. Lake Mary is best with a fly and bubble or Thomas lure. For fly fishing, try a mosquito fly. If fishing the streams, try Mammoth

Creek with worms or crickets.

June Lake has benefitted from this bout of cool weather. Limits are being taken on yellow powerbait or red salmon eggs. Gull and Silver lakes also boasts the same quality of fishing, only try using worms or powerbait. Gant reports rainbows running between one to three pounds for those using needlefish. Fly fishermen should use a brown ghost or muddler.

In the Bridgeport area, Virginia Lake has been good -- even during the mid-day. A fly and bubble is proving effective, as well as powerbait or worms. At Twin Lakes, try a fly and bubble or powerbait. Bridgeport Reservoir is not consistent. The West Walker River is still holding its own as being the best for stream fishing. Try a roostertail or Panther Martin. A good place to practice those fly fishing techniques being taught by the Aguabonita Fly Fishermen Club is Lobdell Lake. Dry flies will work the best.

(See Lake Isabella fishing report on Page 13)

## Fly fishing on the Kern River subject of monthly meeting

Kelvin Gregory, owner of the "Fishing Hole" shop in Bakersfield, will be the guest speaker at the September meeting of the Aguabonita Flyfisher's Club. He will talk about fly fishing on the Kern River.

The meeting will be held at the Grace Lutheran Church at 7:30 p.m. on Tuesday, Sept. 4. Learn how and where to fish in the closest body of water to Ridgecrest -- the Kern River.

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## Workstations available

Code 2741, Information Resources Acquisition Management Branch, Acquisition Management Division is the point of contact at the Naval Weapons Center for ordering UNIX workstations. The following is a partial list of items available under NWC Contract #N60530-90-R-0026. (Upon ordering include the CLIN number, description of the item and price.)  
CLIN #0001--Sun SPARC1+, includes 8MB RAM expandable to 40MB, 19" monochrome monitor, 25 MHz clock, 15.8 MIPS, 1 Ethernet port, 2 serial ports, 3 SBus slots, 1 SCSI-2 port and a keyboard and 3-button mouse. Also includes SunOS 4.1 with 2-user license, bundled C Compiler and Sun's Open Windows user interface--\$7972.25.  
CLIN #0010--350 MB SCSI hard disk drive, 16ms average access time--\$1978.20.  
CLIN #0011--660MB SCSI hard disk drive, 16ms average access time--\$1978.20.  
CLIN #0012--4MB RAM expansion--\$450.  
CLIN #0013--8MB RAM expansion--\$900.  
CLIN #0014--150MB 1/4" tape drive, 5 cartridges--\$988.90.  
CLIN #0015--1.3GB 4mm Digital Audio Tape drive; includes 5 cartridges--\$2006.55.  
For more information or a complete list of items, call Tiana Gaugh at NWC ext. 3396.

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## Fall Clean-up Day attracts hundreds

(Continued from Page 1)

In conjunction with the fall clean-up, the Center's Environmental Services Office and the Safety Program Office are co-sponsoring a hazardous waste disposal day for Center residents. This is a chance to get rid of household hazardous waste such as paint and paint thinner, automotive chemicals, drain cleaners, yard chemicals, pesticides and anything else marked toxic, poison or hazardous. The collection point for the material is the west

parking lot of Building 981 in the Public Works Compound. Hazardous wastes will be accepted from 8 a.m. to noon on Sept. 29. Work-generated wastes, explosive material and radioactive material will not be accepted for disposal.

All volunteers who take part in the NWC Fall Clean-up Day are invited to the Officer's Club at noon for a free lunch. Hamburgers and hot dogs along with beverages will be provided by the Self-Help Office.

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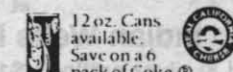
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## CLTC plans tournament

On Sept. 8 and 9, the China Lake Tennis Club will hold its annual Singles Tournament at the NWC Tennis Courts. Everyone is invited to join.

Entry forms are available at the NWC Tennis Courts, with all the pertinent data on them. If additional questions still need to be answered, call Bill Duncan at 446-3325.

On Saturday night, a social will be held to allow participants to mix and converse in a relaxed atmosphere.

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# Night strikes still important combat option

**!! Darkness is a double edged sword, and like the terrain, it favors the one who best uses it and hinders the one who does not. !!**

- Russian Field Marshal

The above quote expresses eloquently the importance of nighttime operations to the battlefield commander.

Marine Corps battlefield and Navy battle group commanders have used night strikes as a mainstay of their combat options for obvious reasons; night strikes enhance surprise, force the enemy onto 24 hour maximum alert status, reduce the visual acquisition and engagement capabilities of both ground and airborne defenders, and are inherently demoralizing to the recipient of the attack.

Historically, we have been limited in our airborne night strike capability by our reliance on "active" systems, such as radar, to act as our eyeballs for terrain clearance, formation keeping, and acquiring and attacking targets at night. Active navigation and terrain following systems require extensive training to master, are very costly, and the operators need lots of experience to effectively employ their aircraft in actual combat operations. The most significant disadvantage of active systems is that they highlight your presence to the enemy.

Passive systems that allow us to navigate, avoid terrain, acquire and engage targets accurately will increase platform survivability and weapon effectiveness. For the Hornet community we are seeing the initial operational employment of this concept in the new Lot XII F/A-18. In November and December 1989 VX5,

received its first Lot XII F/A18 Night Attack Hornets.

The Night Attack System for the F/A-18 Hornet is built around the concept of passive systems integration. This system includes an inertial navigation system with a digital moving map display, a navigation fixed forward looking infrared receiver (FLIR) pod projects a real world image on a raster capable Head Up Display (HUD), a targeting FLIR pod, night vision goggles (NVG) mounted on a form fitted helmet, and NVG compatible cockpit lighting.

The night strike system envisioned for the Night Attack Hornet is certainly not the ultimate passive, all weather, any night

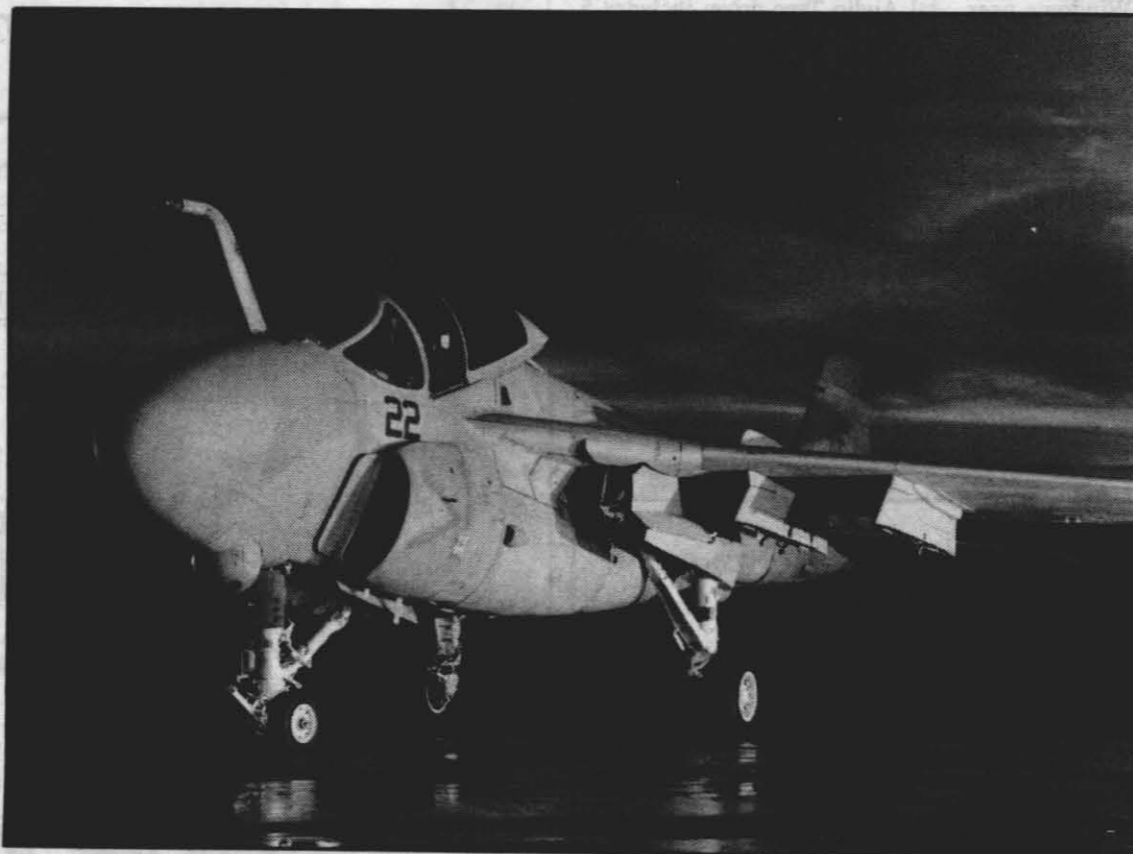
answer to the night strike challenge, but it certainly expands the flexibility of the aircraft as a weapon platform given the present technology. More than any previous enhancement to the F/A18, the Night Attack System adds a tremendous tactical capability to an already impressive aircraft and the Night Attack Hornet adds one more arrow to the battle group commander's quiver of combat options.

The history of the current night attack concept begins with operation NIGHT-BIRD conducted by the Royal Air Force at RAE Farnborough in the early 1980's.

In 1984 the Navy/Marine Corps conducted their own evaluation of an early

night attack system at NWC China Lake in which VX-5 played a major part. The program was called CHEAP NIGHT and used a TA-7C to evaluate the technology and its possible application to naval aviation. The tested system included a wing mounted navigation FLIR pod, NVGs, and a moving map display. The feasibility and potential operational effectiveness of the night attack system was proven and the ground work was laid for further study.

With momentum increasing, operation QUICK NIGHT soon followed to investigate the feasibility of incorporating a passive night attack system into the A6E and (Continued on Page 11)



**NIGHT ATTACK-A VX-5 A-6E Intruder waits for a night mission at China Lake.** Photo by Tim Tyson.

# Navy, Marines evaluate night attack and NVGs

(Continued from Page 10)

F/A-18. This test evaluated the passive night strike effectiveness of the A6E outfitted with a complement of NVGs, NVG compatible cockpit lighting, and the use of the targeting FLIR as a navigation and terrain avoidance device.

The F/A-18 was flown with only NVGs and with NVG compatible lighting in the cockpit. The relative merits of aviator's night vision imaging system (ANVIS) goggles, which are the NVGs of choice for the Marine Corps helicopter community, were compared with Cats Eyes NVGs. Because of better interoperability with the HUD display, Cats Eyes were eventually chosen as the NVG for use in the

**...The night strike program has...CNO sponsorship...**

AV8 and F/A18. One important point QUICK NIGHT demonstrated was targeting FLIR pods were not acceptable for use as navigation and terrain clearance visual sensors; FLIR pods specifically designed to accommodate navigation and terrain clearance requirements would be needed. Navigation FLIR pods in conjunction with wide field of view raster capable HUDs, NVG compatible cockpit lighting, ejection safe NVGs, and a moving map display were considered essential to making a workable night attack system.

In 1986 VX-5 was getting its feet on the ground with passive night attack systems. LCdr. Keith Giles, Lt. John Snedeker and Maj. Gene Fraser were Naval Air Test Center pilots who had gained considerable experience with the night attack system while attached to NATC. They were instrumental in assisting VX-5 stand-up their initial night attack training program and provided instruction for the squadron's first cadre of NVG qualified fixed wing pilots. Most of the initial NVG qualification training was done in the AH1 Cobra attack helicopter with the invaluable aid of highly trained VX-5 Marine Corps assault heli-

copter pilots who had years of experience flying with the ANVIS NVGs.

As interest in this new concept of tactical night flying grew, it became evident that a Navy wide steering committee was needed. In January 1987, VX-5 organized the Tactical Aircraft Night Strike Working Group (TANSWG) and chaired the initial meetings. This committee is made up of representatives from the Navy and Marine Corps weapon and tactics training schools, functional air wings, procurement agencies, and fleet operators. Since the inception of the TANSWG and through the recommendations of VX-5, the night strike program has acquired CNO sponsorship and support from the intelligence community with emphasis on data gathering and assessments of the nighttime threat.

After being actively involved in the development of the night attack concept since CHEAP NIGHT, VX-5 began operational flight tests on the Marine Corps' AV-8B Night Attack aircraft in early 1988. Majors "Willy" Bain, Eddy "Carbo" Holcomb, and Billy "Mello" Williams were operational test directors for operational test and evaluation of the Night Attack Harrier.

**The flying was demanding...110% at all times...**

Night low level navigation, formation flight, air-to-ground and air-to-air tactics were practiced extensively in F/A-18 aircraft with no NVG compatible lighting, no moving maps, and no navigation FLIR pods. Hundreds of NVG hours flown were flown. The flying was demanding and required pilots to be at 110% at all times, but new ground was broken in both the concept and tactical application of the night strike capability.

Cdr. Chuck "Doc" Antonio, former VX5 Chief Operational Test Director, has been involved with the F/A18 night attack effort since 1986 and was the corporate knowledge for all operational night attack testing at VX5. He

was intimately involved in all night attack testing in the A6E, AV8B, and F/A18 at VX5 and was actively involved in the interim night integrated goggle and head tracker (INIGHT) helmet system.

**Every player is a highly experienced pilot or BN/WSSO.**

Other members of the VX5 F/A18 Night Attack operational test and evaluation team are Lt.Col. Mark "Banzai" Mitchell, as the chief operational test director, LCdr. Craig "CT" Cuninghame, assistant chief operational test director, Lt. Chip "Bullet"

Miller, F/A-18 night attack operational test director (OTD), Lt. Rusty "Craw" Martz, F/A18 software OTD, Lt. Marc Varney, F/A-18 TAMPs OTD and Lt. Larry "Lefty" Moore, HARM OTD for Tactics Branch. Every player is a highly experienced pilot or BN/WSSO with lots of "at sea" time under his belt and a total of over 700 hours of NVG flight time as a group.

Capt. Raymond "Razor" Kellett, Commanding Officer of VX5, is the newest member to the F/A18 Night Attack operational test team. Asked about his the importance of the night strike mission, He replied, "We must

learn to fight effectively in the night environment with all the strike aircraft available. Night vision devices in the F/A18 Hornet provide us with a force multiplier that greatly supplements the A6E all weather attack capability. Capt. Kellett continued to say, "We still have a long way to go towards developing the best passive night attack system possible; the INIGHTS helmet and its successor, improved inertial navigation systems, better FLIR, map, and HUD systems will all contribute to improving the night attack capability of the future F/A18 aircraft."

By Lt.Col. Mark R. Mitchell,

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