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- Full Function Remote
- Surround Sound
- MTS Stereo /SAP
- Universal Remote



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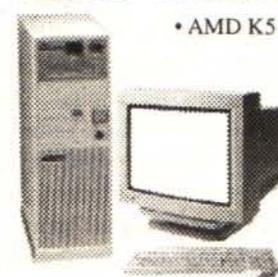
APPLE 20" MONITOR Trinitron.....\$1829

Prices and availability are subject to change without notice. Items may vary in appearance from pictures shown.

## IBM CLONES

### AMD K5166 32/2.1GB 16xCD

- AMD K5 166 Processor & MotherBoard
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- 1MB PCI Video Card
- 15" 28 NI Color Monitor
- 104 Windows 95 Keyboard
- Windows 95 • Mouse
- 1.44 Floppy Drive
- 32MB RAM • Mini Tower
- 12x CDROM Drive
- Sound Blaster Card
- 80 Watt Speakers



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- 1MB PCI Video Card
- 15" 28 NI Color Monitor
- 104 Windows 95 Keyboard
- Windows 95 • Mouse
- 1.44 Floppy Drive
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- 2MB Diamond Stealth Video Card
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# THE ROCKETEER

THURSDAY, APRIL 17, 1997

NAVAL AIR WARFARE CENTER WEAPONS DIVISION CHINA LAKE

Vol. 53, No. 8

Goss plans to be gone fishin' 8  
Lockard leads town hall meetings 12  
CLUMP group seeks public input 16

## Scientists studying Hale-Bopp get a lift from NAWCWPNs White Sands

By Barry McDonald  
Editor

While there are those who are certain that one of the six launches of the "NOTSNIK" space vehicle in the summer of 1958 was, indeed, a success, no absolute proof exists either way. The air-launch concept, however, using an F4D-1 Skyray as the first stage of the mission, was proven, and China Lake continued into the early 1960s launching suborbital research payloads with its Caleb (NOTS EV II, a more advanced follow-on to NOTSNIK vehicle in support of such programs as HIHOE, Dixie-Pixie and SIP — China Lake's air-launched satellite-interceptor system).

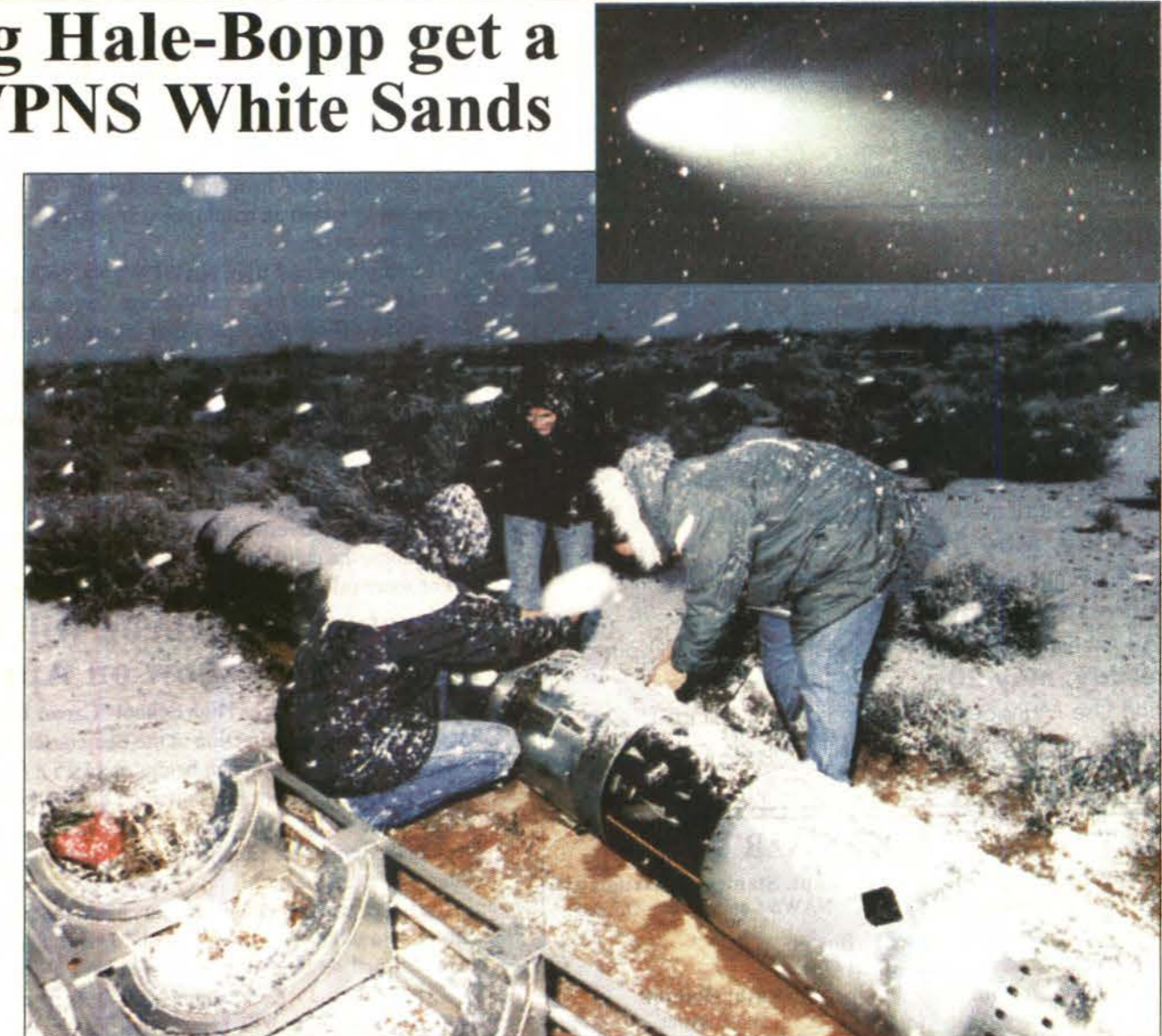
A lot has changed since the Navy's first involvement with space flight. Now we chase comets, too.

The NAWCWPNs Detachment at White Sands, N.M., launched four Terrier Black Brant (Mod 1) sounding rockets with scientific payloads using telescopic devices to capture various types of images of comet Hale-Bopp during the last week of March and the first week of April. The missions, with NASA as the executing agency, were directed by principal investigators from four separate scientific institutions, and each launch was conducted and supported by NAWCWPNs personnel.

Hale-Bopp, which last passed Earth approximately 4,000 years ago, is one of the largest comets ever studied. With its tail estimated at between 10 and 20 million miles in length, it is three to four times larger than Halley's comet. It is easily viewed with the naked eye in the northwestern Indian Wells Valley sky between just after sundown and 9:30 p.m., but binoculars or a telescope make it spectacular.

The comet's age and origin may be determined from the data gathered on its composition, including dust

Please see **HALE-BOPP**, Page 14



U.S. Army Photo; electronic image provided by NAWCWPNs White Sands.

**NOT WHITE SANDS**, but white flakes were falling on the missile range on the late evening of March 24 when NAWCWPNs employees from the detachment there helped recover the first service module of four scientific missions to study comet Hale-Bopp. Similar white flashes can be seen on the inset photo of the comet by Code 472330D's Jim Schuff. They're stars. Using Fuji 800 Super Film in his Pentax 1000 with a 135mm lens, Schuff shot a four-minute exposure at f2.5 on March 29 at Walker Pass.

## NAWCWPNS-inspired procurement software picked for SPS

On April 7, 1997, the Department of Defense selected Procurement Desktop - Defense to be the Standard Procurement System (SPS) for all contracting activities within its military departments and defense agencies. The total SPS program is designed to provide a single, automated procurement system to more than 48,000 users at approximately 1,000 DoD procurement sites. This application was functionally designed and tested at NAWCWPNs and has been operational here for large contracts since May 1996.

The story begins in 1994 when the Contracts Competency was faced with a procurement automation system, known as Automation of Procurement and Accounting Data Entry (APADE), that was not capable of supporting the full range of contracts issued at China Lake. Further, the pace of acquisition reform

was rapidly increasing and APADE and its design agency were unable to support new requirements in a timely fashion. New technology and advances in information technology promised increased automation efficiency. Vice President Al Gore's National Performance Review had recently suggested there were many opportunities for streamlining federal procurement processes and recognized the NAWCWPNs' track record of success in this area with a Hammer Award.

Consequently, a project was established in NAWCWPNs's Contracts' Business Systems Department to reengineer current business processes and the existing automation environment to achieve a more integrated environment for procurement personnel and customers and a more intuitive and graphical user interface for increased productivity and reduced training requirements.

Increased interoperability with other Weapons Division business systems and suppliers and an enhanced ability to respond to the changing environment rounded out the list of goals.

The project team developed a core set of criteria that required, among other things, that the application be a database (not a word processor), that it use a graphical user interface and that it be American National Standards Institute standard query language compliant.

After evaluation of some 18 different systems representing commercial, federal government and defense procurement against this core set of criteria, the application known as Procurement Desktop (PD) was selected as the best foundation on which to build.

It was a proven, commercial off-the-shelf, Windows-based, modular and tailorable product developed by American

Management Systems (AMS). Procurement Desktop was being employed by the Canadian government at more than 35 sites with more than 1,500 users, at the Patent and Trademark Office, the Library of Congress and Citibank. The goal was to customize Procurement Desktop to DoD standards for all phases of procurement, hence the name Procurement Desktop - Defense (PD2).

To accomplish this, NAWCWPNs Contracts established a partnership with AMS, a management and information technology firm with proven experience in business process reengineering and supporting technologies, and Digital Systems Research, a professional services firm specializing in government procurement policies and procedures.

Following a TQM business process Please see **SPS**, Page 15



# Weather

		April 2 - 9			
	High	Low	Gusts	Humidity	
Wed	57	42	34	57-18%	
Thurs	70	45	30	60-18%	
Fri	77	35	45	55-11%	
Sat	69	42	22	70-13%	
Sun	71	34	16	69-16%	
Mon	77	39	19	43-14%	
Tues	77	40	32	57-16%	
		April 9 - 15			
Wed	67	49	27	33-10%	
Thurs	68	48	29	41-14%	
Fri	70	49	21	39-13%	
Sat	69	45	19	40-27%	
Sun	75	37	14	40-12%	
Mon	79	46	15	49-14%	
Tues	83	46	20	60-14%	

## Knox four-way stop signs moved

The repaved intersection at Knox and Rowe reopened Friday afternoon, April 11. The Housing Office is urging caution in the area since the four-way stop at Knox and Stroop has been relocated to Knox and Rowe. This change is partially in consideration of the pedestrian and vehicular traffic increase due to new recreational facilities on Rowe and Vieweg School access traffic. The office thanked area residents and other drivers for their patience during the construction.

## Court finds charge of travel claim falsification merits employee firing

According to Mike Demcak of Command Evaluation, the U.S. Court of Appeals for the Federal Circuit has said the law is clear that a "presumptive" connection exists between falsification of government documents and harm to the efficiency of the service, upholding a removal in which an employee was charged with submitting overstated travel expenses.

The employee, not from NAWCWPNs, contended that the offense alleged had nothing to do with official duties, but the court noted that the hearing officer concluded that incorrect travel claims were submitted with an intent to deceive the agency.

Further, the employee held a position of "significant independence, responsibility and importance. Such a position requires a high degree of trust by supervisors," which the court said the employee violated.

The circumstances in the employee's favor, including many years of service, were "overwhelmed by the harm caused" by the employee's actions, the court said. (Case No. 96-3352, March 18, 1997)

For more information of this subject, call Demcak at 939-3557.

## Secretaries luncheon will include BHS fashion show on April 22

As part of a Burroughs High School "Career Day," project, a fashion show will be the attraction at the Secretaries Day Luncheon April 22 at the Carriage Inn. Lunch begins at 11:15 a.m. and the show will run through 2 p.m. Door prizes will be drawn throughout the event.

The menu includes chicken chasseur, tortellini prima vera, tossed green salad, ambrosia salad, rice pilaf, mixed vegetables, rolls and butter, coffee and tea.

The ticket price of \$9 includes lunch and the fashion show. Tickets will be sold until noon today, April 17, and can be purchased from Marci Burnett, at 939-1468 in Michelson Lab; Sue Donnally at the RCC, 939-4803; Jo Ann Griggers at 71 Parsons, 939-3591; Susan Haynes at the CLPL, 939-7200; Trudi Ihle in Public Works at 939-3412; Celeste Moore in the Distinguished Visitors Office, 939-1365; and Judy Talbot at the airfield at 939-5230.

## UCLA offers many short classes in summer line-up of technical classes

UCLA Extension currently has many short course programs scheduled for this summer. Selected titles include "Composite Airframe Structures," August 11; "Corrosion of Aging Aircraft," August 18; "Fiber Optic ICs for Gigabit Ethernet," August 25; and "Satellite-based Communications, Navigation and Surveillance for Air Traffic Management" in September.

For more information, call 310-825-3344 or FAX 310-206-2815. Or, e-mail mhennes@unex.ucla.edu or visit the UCLA Extension web site at www.unex.ucla.edu/shortcourses/.

Or, you can write to UCLA Extension, Department of Engineering, Information Systems and Technical Management, Short Courses, 10995 LeConte Ave., Ste. 542, Los Angeles, CA 90024.

## Pages From The Past

April 7 & 14, 1987

One hundred sixty burros were gathered by wranglers in a sweep of Center lands to clear the feral animals. . . Donette Capello, a Supply Department contract specialist for the Contracts Division, has been designated a certified professional contracts manager by the National Contract Management Association.

April 8 & 15, 1977

Jon Bumgardner and Myren Iverson, electronic engineers in the Applied Electro-Optics Branch of the Weapons Department, were recent recipients of patents awards. . . LCdr. Michael A. Rij, assistant project officer in the Test and Evaluation Directorate's Projects Office, helped by two crew members of an UHIN Huey helicopter, succeeded in rescuing a group of 10 hikers who were stranded on a narrow ledge at the 2,500 foot level of Tucki Mountain in Death Valley.

April 6 & 13, 1967

Moving mountains is not the ordinary occupations of Lt. A.W. Dahlgren and his men of NOTS Explosive Ordnance Disposal team. Just the same, considering the range of work these men do for the station every day, it wasn't too surprising to see them wheeling up mountains through Walker Pass last week on their way to re-adjust part of an unco-operative granite mountain on behalf of a Bureau of Land Management road project.

April 5 & 12, 1957

Following the official opening of Clean-Up Week, the Quarter Midget Racing Association participants formed a parade and toured the Station. The midget cars were appropriately decorated with placards publicizing the campaign objectives.

April 11 & 18, 1947

Included in weekend activities are a rodeo; dances; parade; barbecue; horse and saddle raffle; and selection of a queen. The Stampede, staged to raise funds for the children's camp in the Kennedy Meadows area, has the additional function of promoting Indian Wells Valley as a community of rising importance in Kern county. . . The Federal Housing Authority has approved a veterans' housing project.

# COMMUNITY EVENTS

A collection of local wildflowers will be on display at the Sylvia Winslow Gallery at the Maturango Museum, 100 E. Las Flores Ave., April 18-20. For more information, or to volunteer help with the exhibit, call 375-6900.

####

Celebrating the culmination of more than 300 hours of training, Cerro Coso Community College will hold the 1996-97 Basic Reserve Academy Level One graduation ceremony on Saturday, April 19. It will begin at 7:30 p.m. in the lecture center. For more information call 384-6100.

####

The 13th annual Invitational Art Workshop will be held at Cerro Coso Community College on Friday, April 25, and Saturday, April 26. It is designed to bring diversity and opportunity to high school artists from the Eastern Sierra region. A special presentation will be held in the lecture center at 7 p.m. on Friday, April 25, and is open to the public free of charge. For more information call 384-6100.

####

Cerro Coso Community College's drama department will present the comedy "You Can't Take It With You," on Friday, May 9, and Saturday, May 10, at 7:30 p.m. in the lecture center.

Tickets are \$7 for general admission, \$5 for students, seniors, children and military. They may be purchased at the door. For more information call 384-6100.

####

Desert Community Orchestra Association and Cerro Coso Community College will hold their spring concert, "Of Mountains and Canyons," on Saturday, May 3, at 7:30 p.m. in the lecture center.

Tickets are \$8 general admission, \$6.50 for youths, seniors and military; \$5 for music students. Tickets will be available at the door. For more information call 384-6100.

####

Tuesday, May 6, is the last day to sign up and register for the hunter safety class being offered by the Sierra Desert Gun Club of Ridgecrest. This two-day school will be conducted on Saturday, May 17, and Sunday, May 18. The class meets

from 8 a.m. to 4 p.m. on both days. It will be taught by certified instructors in the cafeteria of the James Monroe Middle School at 340 W. Church Ave., Ridgecrest.

Advance registration and sign up is required. Register at the sign-up table in the lobby of the Kerr McGee Community Center Saturday, May 3, from 9 a.m. to 1 p.m. and on Tuesday, May 6, from 7 to 9 p.m.

A registration fee of \$5 will be collected at the time of sign up. For more information call Bob Gould at 446-7475 or Cecil Daley at 375-3989.

####

Celebrating its 16th anniversary, the Black Original Social Society (BOSS) will hold its annual Scholarship and Installation Ball on Saturday, May 17, at the VFW Ship #4048 at 117 N. Alvord. The social hour begins at 6 p.m., followed by dinner at 7 p.m.

During the festivities, this year's scholarship recipient will be announced and the 1997-98 officers will be installed. Edith Novascone, and the Future Homemakers of America Club, are preparing the meal featuring roasted turkey and ham.

Dancing begins at 9 p.m. Perry Wilson of Scarab Entertainment will provide the music. Tickets are \$15 per person and may be obtained from Norman Alexander at 375-5397 or Catherine Rogers at 375-4554.

####

People interested in serving on the 1997-1998 Grand Jury should submit their names to the Superior Court.

The 19-member Grand Jury, in its civil capacity, acts as an investigative body to ensure county and city governments are effectively operated. These findings are published in a year end final report. Although it is not a trial jury, it has the power to conduct criminal hearings and to return indictments.

Candidates must be U.S. citizens at least 18 years old, have a working knowledge of the English language and have resided in Kern County for at least one year. Jurors serve one year beginning in July and must be willing to spend at least 30 hours a week on jury work.

If interested in volunteering contact Kay Beavers at 1415 Truxtun Avenue, Bakersfield, CA 93301, or telephone 805-861-2437.

####

Kern County libraries offer help for the woman who wants to start her own business. A bibliography listing all material available in a micro-enterprise collection is available at each library. For more information contact the Ridgecrest Library at 375-7666.

####

Web site for the Inyo National Forest is www.r5.pswfs.gov/inyo/. In a virtual visitors center, the site hosts recreation information and opportunities such as camping, hiking, fishing and obtaining wilderness permits.

# ROCKETEER CLASSIFIEDS

For information on placing a Rocketeer Classified Ad, call Brittain at 375-4481.

ALL ACTIVE/RETIRED MILITARY PERSONNEL & THEIR DEPENDENTS MAY PLACE THEIR CLASSIFIED ADS FREE OF CHARGE! (must show Military ID.)

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

- 1-20 Words.....\$2.00 Flat
- Each additional word after 20 words.....10¢ each
- CLASSIFICATIONS
- PERSONALS.....1
- LOST & FOUND.....5
- HELP WANTED.....10
- CHURCHES.....12
- SERVICES/SCHOOLS.....15
- RENTALS.....20
- REAL ESTATE.....25
- BUSINESSES.....30
- AUTOMOTIVE.....35
- MISC. FOR SALE.....40
- WANTED TO BUY.....42
- PETS & SUPPLIES.....45
- GARAGE SALES.....50

DEADLINE FOR ALL CLASSIFIED LINE ADS IS 11:00 A.M. THE MONDAY BEFORE PUBLICATION OR DROP IT BY THE DAILY INDEPENDENT 224 East Ridgecrest Blvd.

## 1 PERSONALS

WOMEN WHO WANT TO COOK FOR A MAN BUT CAN'T COOK. Delicious, easy-to-prepare and kitchen proven recipes for 2 whole meals that appeal to men. Recipes list ingredients, utensils and detailed step-by-step procedures. Send \$6.00 to HWS-1, P.O. Box 512, Ridgecrest, CA 93556-0512. (TFN)

MEN WHO CAN'T COOK BUT WANT TO. Delicious, easy-to-prepare recipes for 2 whole meals. Proven recipes include ingredients & utensils needed and step-by-step procedures. Send \$6.00 to HWS-1, P.O. Box 512, Ridgecrest, CA 93556-0512. (TFN)

Riders Needed - KV Van Pool between Weldon and China Lake. Will have 2 seats available beginning Feb. 97. Cost \$70/mo. Call 939-3157 or 939-7299. (TFN)

Loving Daycare Home. Military Licensed. Full-time, part-time & weekends. 446-3859. Ask for Julie. (TFN)

NEED OR WANT ANOTHER JOB? ONLY 2 HOURS A WEEK! COULD MAKE \$1,000 EVERY WEEK! 371-6543 ANY TIME! 377-5599. (S1)

## 5 LOST & FOUND

LOST: Anniversary Ring. Vicinity of NAWs Conference Center. Sentimental Value. Reward. Call Joan 446-5062 or 927-3494. (S1)

## 10 HELP WANTED

ELECTRONIC TECHNICIAN/ENGINEER Digital electronic experience and/or completion of advance electro magnetic training. Candidate must be a self starter, highly motivated, willing to relocate to Northern New Jersey and be willing to travel. Interviews in San Diego. Please send resume including salary requirements to Paul K. Metzger, 627 S. Springfield Ave, Suite 4, Springfield, NJ 07081. (S1)

WANTED: Independent Sales Reps - Add cutting edge products to your bag of tricks. Hi commission. Call (800) 211-1202 ext. 04145. (S1)

## 15 SERVICES/SCHOOLS

GUARANTEED TO PASS PCS Inspection. Experienced cleaner. Non-licensed (base housing list). Call Melissa Wood. 377-5470. (TFN)

CERTIFIED HOME DAY Care Provider. I will care for your children, days, nights, or weekends. Part time or full time. Please call Kadi, 446-3004. (TFN)

HOME DAYCARE PROVIDER. Toddler openings, meals provided, certified. Call Mary 446-8018. (TFN)

ATTENTION MILITARY & DOD EMPLOYED. Day care available on base full time and weekends. Food program & licensed provider in a warm, loving environment. Please call anytime. Colleen at 446-7041. (TFN)

BE JUDGEMENT PROOF. PROTECT YOUR ASSETS. FREE INFORMATION. Thompson Technologies, 1539 N. China Lake Blvd., Suite 165, Ridgecrest, CA 93555. Fax (760) 375-3256. E-mail thomptek@netcom.com (TFN)

HOME DAY CARE/PRE-SCHOOL, base licensed. Will provide meals. For more information call 446-1089. (TFN)

TV-VCR REPAIR. 50 years experience. Work guaranteed. FREE ESTIMATE. 446-0916. (S1)

Loving Daycare Home. Military Licensed. Full-time, part-time & weekends. 446-3859. Ask for Julie. (TFN)

## 20 RENTALS

MAMMOTH AREA RENTAL. 4BR, 2BA house, available for rent, daily or weekly with maid service. Great rates 436-4870. (TFN)

COZY Country atmosphere, close to base. 1BR units from \$110/wk, \$350/mo. Mountain View Motel. 446-6209. (S1)

## 25 REAL ESTATE

200-600pm, Friday 8:00-12:00pm. 446-2796. (TFN)

2BR, 1BA, garage, hookups, Nice area, we paid. \$325/mo. See at 237A Richmond or call 375-4366/373-4125. (TFN)

\$575/mo. SPIFFY 3BR, 2BA, den, N. end. 446-4810 (S1)

\$350. SPIFFY SPACIOUS, 2B R, near base, fenced yard, water pd. No Pets. 446-4810 (S1)

WARM & COZY, 3 BR, 1 BA, on double lot with pool. Fireplace insert, trees, completely fenced. \$77,500. Call Dan at 375-9108. (TFN)

MOBILE HOMES for sale or rent in the nicest park in Ridgecrest. Close to base and shopping, rent \$400 and up plus utilities, sale \$17,000 and up for homes. Arrowhead. 446-2796. (TFN)

2 1/2 ACRES, well and power in, A-1 Agriculture, Weldon. \$34,000 Also 2 1/2 acres, \$22,000. (760) 378-3342. (TFN)

LUXURIOUS HOME. Panoramic view, excellent location, 2100 Camino El Canon. 1990's built, 2000-sq-ft, 4BR, 2.5 BA, family room, balcony overlooking living room with cathedral ceiling, bay window, efficient go-king wood stove, plant shelves. Wet bar, walk-in pantry, appliances including above range microwave and cabinets galore! Extended balcony off master suite with walk-in mirrored closet, double sinks and garden tub. Large corner lot, automatic sprinklers, double garage with opener. Oak and tile throughout. Open, light, carefree and gorgeous. Assume \$110,000. VA 7.5% Mortgage, 15 year remaining, no closing costs with 10% down. \$982. MO. \$20,000. Below cost. New loan only \$850/mo. Call Cindy (800) 405-6822 AC11 for more info., Stephanie 375-2741 for app't to see. (TFN)

## 30 BUSINESSES

1997 NEWEST AND FASTEST growing corporate home business opportunity. FREE training. Initial investment as low as \$700. Web-TV, Philips. Call 805-488-0102.

## 35 AUTOMOTIVE

FOR SALE: 1966 Ford Ranchero. \$900 or best offer.

Running or parts car. 446-3917. (TFN)

1973 FORD THUNDERBIRD. 429 automatic, power everything, leather interior, new carburetor, runs. As is \$900 OBO. 446-2019, leave message if no answer. (TFN)

1996 TOYOTA COROLLA, pw, dual airbags, auto, alarm, AM/FM/Cassette. \$500 and assume lease. 499-6046. (TFN)

'83 OLDSMOBILE DIESEL, new transmission, good condition, runs good. \$1250. (760) 378-3342. (TFN)

CHEVROLET 1979 EL CAMINO V-8, 5 liters, 72,800 miles, runs strong, smogged, straight body. \$3500 best. 446-2683. (S1)

## 40 MISC. FOR SALE

31" HANDMADE WOODEN WIND-MILLS. Assorted colors. Can't buy them in stores. Excellent gifts. \$25.00. 446-5662. (TFN)

2 Girls bikes like new \$25 ea., 1 Huffy Boy bike \$25, movie screen \$50, scuba gear great buy. 446-2660. (TFN)

Microwave - Large capacity perfect condition. \$100 call 446-8987. (TFN)

86 Honda Interceptor 500, great condition. \$1900 OBO. 446-4812. (TFN)

Modern; 14.4 fax/data modem. V.32 bis. Like new. \$30.00 Henry Lane 939-8291, 499-6114 (evenings) (TFN)

HP Laserjet II Printer - \$75.00 446-3233. (S1/5)

DEADLINE FOR ALL CLASSIFIED LINE ADS IS 11:00 A.M. THE MONDAY BEFORE PUBLICATION.

## China Lake Calendar

Call the PAO Info Line at 939-0050 for current information on base events

- Friday, April 25**
  - Farewell party for Capt. Doug Henry, NAWCWPNs vice commander, at 6 p.m., Carriage Inn. See Page 3.
- Sunday, April 27**
  - Swap Meet at the Wreck Center, 1-5 p.m.
- Saturday, May 3**
  - Base swimming pools open. See Page 21 for times.
- Wednesday, May 7**
  - RAB Meeting at 500 W. Ridgecrest Blvd, 6:30 p.m.
- Tuesday, May 20**
  - Land Use Management Plan scoping meeting, 5:30 p.m., at Desert Empire Fairgrounds.

## THE ROCKETEER

RAAdm. Jack V. Chenevey NAWCWPNs Commander Capt. Stanley W. Douglass NAWs Commanding Officer

Steven F. Boster Public Affairs Officer Barry McDonald Editor Kathi Ramont Staff Writer

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Correspondence and material for THE ROCKETEER should be addressed to: Editor, THE ROCKETEER, Commander, Code 750000D, NAWCWPNs, 1 Administration Circle, China Lake, CA 93555-6001; or they may be transmitted by QuickMail to Barry McDonald. (Select CL\_HQ zone, NAWSTAFF\_MC mailcenter.) Fax information to 939-2796, or call 939-3354. E-mail address is barry.mcdonald@gmail.chinalake.navy.mil. THE ROCKETEER office is located in the Headquarters Building, Room 1017.

Information intended for use in PAO Info Line should be sent to Linda Lou Crosby at Code 750000D, to her QuickMail address, or she may be reached at 927-3095. The Info Line e-mail address is http://peewee.chinalake.navy.mil/stn/infoline.html.

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**Departing vice commander**

## Capt. Doug Henry leaving desert soon, but he says 'I will be back'

By Kathi Ramont  
Staff Writer

Having served three duty tours at China Lake, NAWCWPNS Vice Commander Capt. Doug Henry is departing for a second tour in Washington, D.C., soon. He reports to NAVAIR on May 30, this time as program manager to the Tactical Electronic Warfare Program (PMA-272) "I'll be back," he said. "But this time as a customer."

Henry said after his four-year tour at NAVAIR he'd love to return to the Weapons Division, "possibly as the vice commander, or, we have various captain billets I could fill," he said. "I'm going to miss everybody. I really like it here."

Henry, who became vice commander less than a year ago, said he had simple goals when he became second in command of the Weapons Division. "First, I wanted to avoid a RIF whatever that took. Goal two was to get through the commercial activities studies and the Vision 21 process without upsetting the work force. Vision 21 has had a few false starts, but hasn't gotten going yet. The CA studies have started, and won't be completed for awhile yet. I'm afraid there is some fear of the unknown and some resistance to change. People aren't happy that their jobs are being studied."

His other goals were safety and to keep everyone happy. "My job is to cover for the admiral when he's gone. The fact that he's dual hatted with AIR-5.0 means that he's required to travel a lot. The fun part of my job is being able to run the place. On any given day, counting civil service, military and contractors, that's about 15,500 people at all the sites. There is always a lot going on," he said.

"I honestly think we're on the tail end of our drawdown... becoming a smaller organization. I mean that from the NAVAIR perspective. These CA studies

will let management fuss with the last little bit. But the downward vector is certainly going to shallow out in the next couple of years." He said the work is still out there. "We've come down about the same percentage of money as we have people. As always we have to take a real hard look at all the overhead and support functions, but the days of the more severe drawdown is over. I think we can work it through normal attrition."

**A bit of history**

Upon graduation (with distinction) from the Naval Academy in 1973 with a bachelor of science degree in oceanography, Henry was designated a Burke Scholar. He received a master's of science degree in aeronautical engineering from the Naval Postgraduate School in 1986. He is also a graduate of the Naval Test Pilot School, the Defense Systems Management College and executive programs at Stanford University and the University of North Carolina at Chapel Hill. He was designated a naval aviator in 1974.

Other duty Henry has served includes Attack Squadron 147 aboard USS Constellation flying the A-7E Corsair II and Attack Squadron 122 as an instructor pilot. His early F/A-18 work was recognized when he was selected as Tail Hooker of the Year in 1980. He performed subsequent sea duty on the staffs of Carrier Groups Seven and Five staffs.

Following test pilot training, he was assigned to Air Test and Evaluation Squadron Five at the then Naval Weapons Center as the Light Attack branch head and F/A-18 operational test director. While at VX-5 he was a finalist for NASA's shuttle astronaut program and was selected to be an aerospace engineering duty officer. After his postgraduate tour he was again assigned to NWC as the deputy program manager for the F/A-18. In addition to being the chief F/A-18 test pilot, he was responsible for the F/A-18C variant prototype full-scale

## MILITARY NEWS



Photo by Vance Vasquez, The Missile

**VICE COMMANDER**—As one of his last official duties as NAWCWPNS vice commander, Capt. Doug Henry presented this ball cap to Army Brig. Gen. Jerry Laws, commanding general, White Sands Missile Range, N.M., during a visit to Point Mugu. Laws also visited China Lake on his California visit.

development effort.

He next reported to NAVPRO Melbourne, Australia, as executive officer and in June 1989 assumed command. From there, Henry moved to NAVAIR for three years as the deputy program manager for development in the F/A-18 Program Office.

In August 1993 he reported to NAWCWPNS for this third tour at China Lake. He has been assigned a variety of positions in the division, including director of the Aircraft Weapon Systems Directorate and military director for research and engineering (acquisition professional major shore commands).

During his career Henry has flown more than 3,600 accident-free hours in more than 60 models of fixed- and rotary-wing aircraft, and is an associate fellow in the Society of Experimental Test Pilots. His personal decorations include two Meritorious Service Medals, the Navy Commendation Medal, the

Navy Achievement Medal and 12 unit commendation, campaign and marksmanship awards.

**Farewell party**

A farewell party will be held in Henry's honor at the Carriage Inn on Friday, April 25. Social hour, with a no-host bar starts at 6 p.m., followed by a buffet dinner at 7 p.m. Presentations begin at 8 p.m. Tickets are \$17 per person including tax and tip. Dress is desert casual.

To purchase tickets, or make a presentation, contact Ann Wagner or Dea Detling by QuickMail, or at 939-2201. They are also available from Marci Burnett or Randi Clark at 939-1468/1472 in Michelson Lab, Room 20105; Ruth Malik at 939-6034 at Pacific Ranges, Room 112; or Jean Winkler at Hangar 3, Room 3201, or call 939-5405.

Deadline for purchasing tickets is April 23. No tickets will be sold at the door.

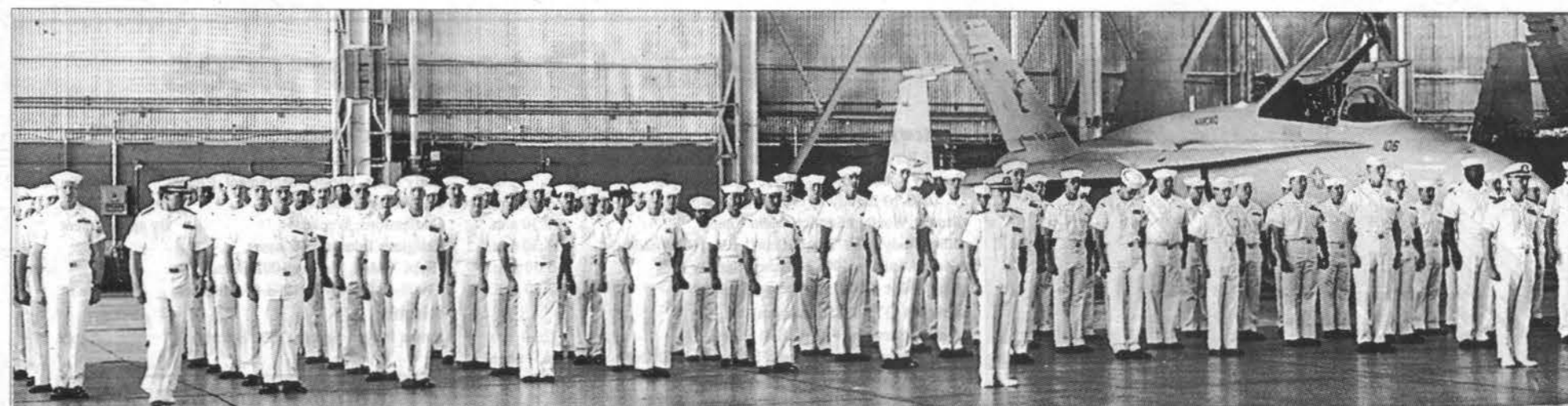


Photo by P. Terry Pascarella, TID

**SHIFT TO WHITES**—Sailors from the Naval Weapons Test Squadron participated in a uniform inspection April 7 when they changed from winter to summer uniforms. Please see Page 4 for the story on achievement medals, awards and new Dust Devil selectees presented during NWTS quarters.



# Chapel Call

By L.Cdr. Patrick J. McCormick  
Command Chaplain

## In the middle stands virtue

There was a famous philosopher who lived in the turbulent 13th Century by the name of Thomas Aquinas. He taught his students the Latin maxim "in medio stat virtus" in the middle stands virtue.

He was a man of great human insight in many practical matters, such as when was the best time of the day to go to market to get the best deal, as well as profound theological insights concerning things of God and man.

Thomas Aquinas lived in an era of much religious excess. Almost every new philosopher or preacher was proclaiming knowledge of the exact time of the "end of time," and each would gather a sizable number of zealous followers who would spread the message. Of course as each prediction proved untrue, the followers would end up totally disillusioned and be confronted once again with the problems of life that their special knowledge of the end of time seemed to have spared them from.

Our own times, a time of rapid change and increased differences in society, sees this same tendency on the part of some to seek to know special truths that spare one from the stresses and uncertainties of life.

We witnessed such a thing in the recent tragic suicidal deaths by 39 cult members in Rancho Santa Fe. When they took their lives they probably had an overwhelming sense of knowing the truth in a way that no one else on earth did. I suspect they were in error and left many grieving family members in deep pain and shock.

Perhaps to be absolutely certain about anything is a sure formula for disaster. Even our deepest convictions about God are held in faith but not yet in clear knowledge.

Thomas Aquinas taught his students, "In the middle stands virtue or strength," that is the strength to live life each day with its uncertainties and changes. But it was not just religious matters that he was referring to, he also applied this principle to everyday practical matters such as saving some of one's produce or earnings. We all are aware of the temptation to over extend credit or the other extreme to "make a killing" in the stock market, which usually leads to disaster.

To stand in the middle meant that a man did not always know exactly what the full truth about anything was, but he had a direction in his life regarding the ultimate truths, and so he took the prudent path, one that made sense in light of the partial knowledge that he possessed. It was also a way of life that respected the differences held by others provided that these differences did not destroy the person or the property or basic rights of any others.

In these times in which fanaticism can seem an attractive alternative to the slow path of painful, human progress, whether regarding our individual lives or family life or life in society as a whole, we must remember that most who look for simple, perfect answers to the complex realities of life often end up very disillusioned and broken, some even dead.

Life is complex and the solutions to life's needs and problems come partially and slowly.

We all have a part of the truth regarding life, and we all hope to be growing in our knowledge and experience of the truth, but none of us has the total truth. To take the realistic and prudent path "in the middle" is the way that in time leads to deeper wisdom, and a clearer path in life.

## Navy Achievement Medals earned

On Monday, April 7, the Navy shifted to working uniform whites. At a uniform inspection at Hangar 3, two Navy and Marine Corps Achievement Medals were presented by Naval Weapons Test Squadron Commanding Officer Cdr. Dane Swanson.

AMS2(AW) Anthony A. Whitfield received an achievement medal (gold star in lieu of third award) from RAdm. L. D. Newsome, commander, Patrol Wings, U.S. Pacific Fleet. Whitfield served as Airframes Workcenter crew leader, assistant phase and corrosion supervisor and collateral duty inspector at Patrol Squadron 40 from May 1992 to December 1996. "Whitfield managed shift workload during the 9193 deployment to Adak, Alaska; led the shop through 14 rigorous 112-day and 18-phase inspections; and performed vital repairs to tailpipe cowlings, trim tab actuators and manufactured bomb hoist cables which were no longer available through the supply system while deployed to Diego Garcia," wrote Newsome in the citation.



AMS2(AW) Whitfield

ADAA Brian M. Lockwood received a NMCAM from the NWTSS CO. Lockwood was serving as F/A-18 Plane Captain, Line Division on April 2, 1997. "Airman Lockwood's commitment to excellence and attention to detail were demonstrated while performing daily turn-around on Dust Devil 100. During the port engine duct inspection, he discovered the inlet center body assembly on the forward portion of the engine was loose. Further investigation revealed one of the three screws was no longer in place and the



ADAA Lockwood

other two were inadequately holding the assembly. Failure to notice this discrepancy could have led to a catastrophic loss of the engine, possible resulting in the loss of life and aircraft," said Swanson.

A letter of commendation from Commander Enterprise Battle Group went to AE2(AW) Robert Bennett for work performed as an Integrated Weapons team member for Fighter Squadron 103 from April 1992 to August 1996.

AZ2 Bryce W. Yost received a letter of commendation from NAWCWPNs Commander RAdm. Jack V. Chenevey for performance of duties as NWTSS leading petty officer for the Administrative Office from October to December 1996.

Dust Devils AT1(AW) Thomas M. Tye was selected as Senior Dust Devil of the Quarter, first quarter 1997. ATAA Jeremiah J. Edwards was selected as Junior Dust Devil of the Month for March.



AT1(AW) Tye

Recognition Plane Captain of the Month for February is ATAN Richard K. McDevitt.



ATAA Edwards

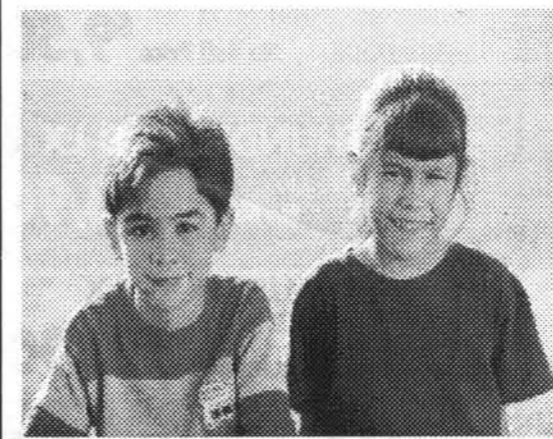
A Good Conduct Award was presented to AE1(AW) David P. Scherer. AMS3 Eugene K. Wilbourn was given a letter of appreciation from Cdr. Dane Swanson.

ATAN Richard K. McDevitt, ADAN Scott A. Olson, ATAN Seth A. Sinclair, AEAA Brannon K. Lauritzen, ADAN Paul D. Bingham, ATAN Trad A. Dill, AMHAN Kenneth R. Nobrega and ATAN Brandon D. Gould have all become F/A-18 Plane Captains.

# Leisure Lines

Naval Air Weapons Station, China Lake, CA

Navy Morale, Welfare and Recreation



## Invest in Their Future this Summer

When you are ready to get serious about your child's summer fun... see Youth Activities, Leaders in Training Program (LIT) 1997. Young adults in seventh through ninth grade meet new friends, work hard, play hard and learn valuable volunteer job experience. Hours worked are exchanged for valuable MWR services and programs like free bowling, swimming, golf and more. Applications are at Youth Activities and must be returned before May 13. For LIT details, call Teresa at 927-8336.

## Discover the Fun that Lies Ahead

Don't miss Hall Lanes' no tap bowling tourney on April 19 at 6:00 p.m. Cash prizes and an 8-9-8 eyes format await! Open to military, retired military, DoD and their eligible family members (18 years and up). Fees are \$15.00 per person or \$20.00 per couple. Call 939-3471 now!

## When Only the Best Will Do-Times Two

Take your secretary to the Wreck Center for an extraordinary appreciation luncheon on April 23 from 11 a.m. to 1 p.m. Enjoy a pasta bar, salad bar and assorted desserts for only \$7.95 per person in advance or \$9.50 at the door. Be sure to make your reservation by April 21. Call 939-8660.

Or... Send a balloon bouquet of 12 latex and 1 mylar balloon with matching coffee mug for only \$12. Get your order in early. They are going fast. Craftech even delivers these bundles of joy on station (Mainside only). Stop by Craftech today to place your order or use your credit card over the phone. For details, call 939-3252.

## Amazing Treasures Await at Swap Meet

Looking for a special item for your home, office or family? Well, don't miss the special Swap Meet on Sunday, April 27 at the Wreck Center from 1:00 p.m. to 5:00 p.m. Vendors won't want to miss this golden opportunity to sell your treasures. Call 939-8660 to reserve your spot. You get a large table and two chairs for only \$10 for military, \$15 for DoD and \$20 for Community. Setup begins at 12 noon.

## Throw Away all Inhibitions

Hey single military! Looking for a great time at reduced savings? Travel to Six Flags Magic Mountain on April 25. Van leaves CBQ parking area at 4:00 p.m. and returns around 4:00 a.m. Cost is only \$23 per person. Fee includes admission and transportation. Bring spending and meal money. Sign-up by April 18. Simply call Charmaine at 927-4386.

## When You Care About Your Pet

Military pets are lucky to have a well animal clinic that is just for them at substantial savings to the owner. Isn't it time to take Fido in for his well animal check and shots? Next scheduled clinics are at Craftech on May 1 and June, beginning at 9:00 a.m. Space limited. Sign-up early. For safety, children under 12 are not permitted in the clinic. Call 939-3252 for your appointment today!

## "Act Your Age!" Never.

What is age anyway? When exactly are you suppose to stop having fun? Break stereotyped rules! PLAY ADULT HOCKEY. Mixed adult hockey league is now forming for beginning adults (18 years and up). Don't just watch! PLAY. League continues through May 21 at the Outdoor Rink from 6:30 p.m. to 8:30 p.m. on Mondays and Wednesdays for only \$15 for military, \$20 for DoD and \$25 for all others. You can join any time. Equipment included in fees. See ya' on the rink! Call LuChrisa at 939-6884.



## Steps to Improve Your Relationships

Ballroom dancing is the hottest form of entertainment at China Lake. Become the next Ginger Rogers or Fred Astaire. Lessons are available at the Youth Center on Tuesdays from 6:30 p.m. to 8:30 p.m. A social venue for meeting people who love to dance. Partner not required. Call Donald Daniel, Instructor, at 927-1882 or the Sports and Fitness Complex at 939-2334.

## Blast from the Past TONIGHT!

Dance to your favorite tunes of the 70s tonight during our retro party. Our gig runs from 8:00 p.m. till 1:00 a.m. For 18 year olds and up. Don't forget your t-shirt! Wreck Center supplies dye for your original tye dye creation, as well as dance contests and a "Dress Back" contest. Check this out-FREE ADMISSION. For details, call the Wreck Center at 939-8660.

## How to Say "I Love You"

Show Mom just how much you love her! Take her to a special Mother's Day Brunch at the Wreck Center on May 11 from 11:00 a.m. to 4:00 p.m. Menu includes prime rib, assorted seafood, pasta, salad & breakfast bars. Treat Mom to scrumptious desserts such as key lime pie, rocky road mousse and more. For details or reservations, call 939-8660.

	Adult (11 and up)	Child (5-10 years)
Military	\$10.95	\$5.95
DoD	\$12.50	\$6.95
Community	\$14.00	\$7.95
Children	FREE	FREE
Under 5 Years		

## Who Else Wants a Clean Car?

Don't suffer in a dirty car, van or motor home any longer! Visit the Wreck Center Parking Lot on May 15 from 10:30 a.m. to 2:00 p.m. for a car wash. Enjoy homemade goodies too while we hand pamper your vehicle. Cars are \$3.00 (or donation), vans are \$5.00 and motor homes are \$7.00. For details, call Ed Carter at 939-2346.

## Ready...Set... Get Wet! Pools Open May 3!

INDOOR POOL	
<b>Monday - Friday</b>	
5:00 a.m. - 7:00 a.m.	Lap Swim
10:00 a.m. - 1:00 p.m.	Lap Swim
11:30 a.m. - 12:30 p.m.	Aquacise (Shallow area)
	CLAM (2-3 lanes)
3:00 p.m. - 6:00 p.m.	IWV Swim Team
5:00 p.m. - 5:30 p.m.	Swim Lessons
5:30 p.m. - 6:30 p.m.	Aquacise
6:30 p.m. - 8:00 p.m.	Lap/Open Swim
<b>COMMUNITY POOL</b>	
<b>Tuesdays &amp; Flex Friday's</b>	
11:00 a.m. - 1:00 p.m.	Lap/Open swim
3:00 p.m. - 5:00 p.m.	Open Swim
5:00 p.m. - 7:00 p.m.	Lap/Open Swim
<b>Saturday, Sunday &amp; Holiday</b>	
11:00 a.m. - 1:00 p.m.	Lap/Open Swim
1:00 p.m. - 5:00 p.m.	Open Swim
<b>SOLAR POOL</b>	
<b>Monday - Saturday &amp; Holidays</b>	
Available for special events and rentals.	

## All Faith Chapel Services

**Protestant**

Men's Prayer Breakfast, East Wing, Thursday 6:00 a.m.

Sunday School, Sept. - May, 1008-10 Blandly & 1903-05 Mitscher 9:00 a.m.

Sunday Worship Service, Main Chapel 10:30 a.m.

Bible Study (East Wing), Sept. - June, Wednesday 11:30 a.m.

Youth Ministry, 1907 Mitscher, Sunday 2-3:30 p.m.

Adult Bible Study, East Wing, Thursday 7:00 p.m.

**Jewish** (375-0385 Messages)

Weekly Services, Friday, East Wing 7:30 p.m.

Adult Education, Oct. - June, Saturday, 1902 Dibb 10 a.m. - noon

Hebrew Classes, Oct. - June, Saturday, 1902 Dibb 2-5 p.m.

Religious School, Sept. - June, Sunday, 1902 Dibb 9 - 11 a.m.

Jewish Classes (when Rabbi is here).

Four years and up: Sunday, 1902 Dibb 9-11 a.m.  
Friday, 1902 Dibb 5 - 7 p.m.

**Roman Catholic**

Sunday Mass, Main Chapel 9:00 a.m.

Daily Mass, Blessed Sacrament Chapel 11:35 a.m.

Confessions, Sundays 8:00 - 8:30 a.m.

Confessions, Weekdays By appointment

Religious Education Classes, Sept. - May, Sunday, 1002 Blandly, 1008-10 Blandly & 1903-05 Mitscher 10:30 a.m.

**Islamic**

Jumaa Prayer, Friday (1002 Blandly) 1 p.m.

**Equipment for the hearing impaired and nursery are available**

Chaplain Patrick J. McCormick, LCdr., CHC, USN  
Chaplain C. Allan Ford, Lt., CHC, USNR  
Michelle Greenberg, student rabbi  
Office Hours: Mon.-Fri., 7:30 a.m. to 4:30 p.m.  
939-3506 • 939-2773 • 939-2873



EIS from Page 16

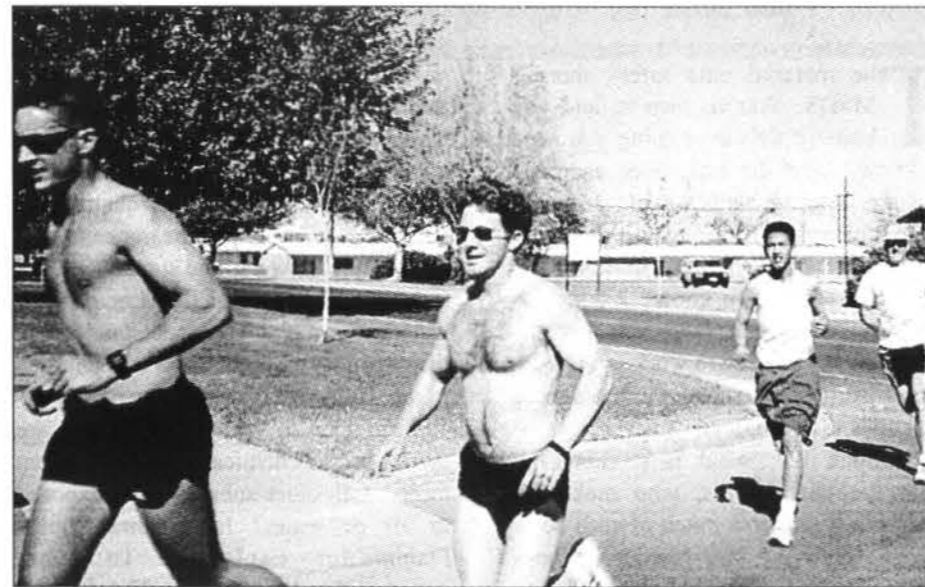
"We are doing this now because it makes good business sense to have an overall land use plan and the environmental documentation that goes with it to make it easier for customers who want to use our range and facilities in the future," said John O'Gara, project manager for China Lake. Additionally, the California Desert Protection Act of 1994 required the Navy to develop a land use management plan in conjunction with the BLM

by October of this year.

There are extensive natural and cultural resources, including threatened and endangered species of wildlife, on the more than one million acres of land controlled by the Navy. There are also numerous historic sites at NAWS China Lake. The EIS will analyze the alternatives in the land use management plan and evaluate the potential environmental impacts on the area.



# SPORTS



**RUNNERS** come round the turn at the recent Captain's Cup 5K run/walk. EOD's Marc Tranchomontagne came in first; Steven Kellogg came in second and Bryan Boneau came in third at the Captain's Cup 5K run/walk.

### Captain's Cup

## EOD and NAWS capture first place finishes in 5K run/walk

By Michelle Archuleta  
MWR Sports and Facility Manager

Morale Welfare and Recreation Department personnel and members of the Chief Petty Officers Association joined efforts in hosting a 5K run/walk to kick off the 1997 Captain's Cup schedule.

This event proved to be unique in that all participants who completed the run/walk were treated to a grill-cooked breakfast specially prepared by Athletic Director Dana Alloway and AZAN Jason Stucky of the Naval Weapons Test Squadron. Participants enjoyed scrambled eggs, sausage, bacon and pancakes. Location was the Wreck Center patio area on Saturday, March 29.

In the men's division Explosive Ordnance Disposal personnel ran away with first through third place finishes.

Marc Tranchomontagne from EOD clocked in a time of 19:21 followed by Steven Kellogg at 19:22 and Bryan Boneau at 19:23.

In the women's division, Ensign

Amanda Brooks of NAWS placed first with a time of 28:08 with Janeen Antonelli following in second with 31:33 via NWTS.

Under the Captain's Cup format there are three commands — NAWS, WTS and VX-9 — competing for the end of the year bragging rights and trophy honors awarded at the winning command's quarters. Currently the standings are NAWS ahead with 215 points, WTS with 115 points and VX-9 with 85 points. Tennant commands such as EOD, MAD and Parachute Test Squadron are affiliated with the NAWS Command.

Upcoming events are Captain's Cup Golf League starting May 6 and a soccer league starting May 12.

For more information contact Michelle Archuleta, sports and facility manager, at 939-0754, or the command Captain's Cup representatives.

At the NAWS, contact ACC(AW) Michael Bailey 939-5550.

At WTS, call AE1 Jose Mendoza at 939-1680 and at VX-9, call Ensign Kevin Forbes at 939-9972.

## Military softball tourney May 30 in Tucson: call now to sign up

Attention softball coaches and players: the ninth annual "Contracting Weekend Bash" softball tournament will be held May 30 and June 1 at Davis-Monthan Air Force Base, Tucson, Ariz.

"In the past this has proven to be one military tournament you don't want to

miss," said Gregory Manning, tournament director.

Champions will walk off with their choice of new gloves or bats.

Contact Manning at (520) 228-2372 (DSN 228-2372), or Dave Rochelle at (520) 228-4183 (DSN 228-4183) for specifics on prices and entry fees.

### Grand Marshall Chenevey leads Trona parade



**ANOTHER FIRST**—On Saturday, April 12, Trona celebrated its first Spring Fling with a pancake breakfast, classic car show and many other events. Ross Rector served as driver for NAWCVPNS Commander RAdm. Jack Chenevey, grand marshal, down the parade route. Other entrants included fire trucks, balloon-laden, clown-driven motorized wheelchairs, kids groups and a marching band.

Photo by Pat Baczkiewicz

## Dare To Rock The Boat



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### Spring cleaning



Photo by OSCS(SW) Mike Mundt

**CLEANIN' UP**—Just in time for the April winds, NAVWS officers and enlisted personnel spent a morning cleaning up the base during the last week of March. According to OSCS(SW) Dennis Harden, hundreds of bags of trash were picked up at the front gate, Nimitz Road, Richmond Road and near Burroughs High School.

## April is Alcohol Awareness Month

Deaths from alcohol related accidents fell again, as did injuries, DUI arrests and repeat offenses, according to an annual report to the legislature issued by the California Department of Motor Vehicles. "It reflects an unprecedented change in public behavior that saves hundreds of lives yearly," said DMV Director Sally Reed.

She said the change was brought about by public pressure, tough new laws, strong law enforcement efforts and

public education campaigns. Alcohol related deaths, which peaked at 2,754 in 1987, fell to 1,343 in 1995.

The survey shows about 90 percent of DUI offenders are male, the average age is 33 years old, and the blood alcohol concentration averages almost .17 — more than twice the legal limit of .08.

The report concludes that those given license restrictions combined with a treatment program do at least 12 percent better than with any other alternative.

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## Your Environment

## Earth Day is April 26

Earth Day will be commemorated on April 26 at the Burroughs High School Multi-Use Room from 9 a.m. to 3 p.m. with the Ridgecrest Celebrates Earth Day 1997 Fair.

The focus of the fair is on creating a forum for environmental awareness, education and celebration. Environmental booths and displays, recycling drop-off locations and food vendors will be featured.

The Ridgecrest Celebrates Earth Day 1997 Fair represents the coming together of a diverse set of local communities interested in the environmental challenges facing the planet. It is committed to providing people with opportunities to take action in creating solutions to these challenges. Ken Amster, one of the organizers of the local event, noted, "Earth Day is a catalyst for people to step forward and take action. We

encourage people to reflect on their relationship with their environment, learn about ways to improve it and get out and do something!"

The Navy is also committed to protecting the environment. NAWS China Lake will join the City of Ridgecrest in celebrating Earth Day 1997 by providing booths highlighting the NAWS China Lake recycling program (REPLAY) and the draft environmental impact statement being prepared for the China Lake Land Use Management Plan (please see story on Page 16).

This will be a good opportunity to find out more about how the Navy at China Lake protects the environment and its natural and cultural resources. It will also provide an opportunity to learn how to express your concerns about how China Lake balances its mission with protecting the environment.

Commissary Case Lot Sale  
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## Avionics test bed project reconfigures F/A-18D into new F/A-18F model

According to Tim Hofer, avionics test bed project manager of the Tactical Aircraft Avionics Systems Branch, a China Lake Naval Weapons Test Squadron F/A-18D aircraft completed reconstruction work recently at McDonnell Douglas Aircraft in St. Louis. The aircraft was reconfigured to resemble an F-model.

"This avionics testbed will provide an F-18F representative jet for weapon and sensor integration at China Lake a full year before the first F-model (F2) is scheduled to arrive here," said Hofer. "The testbed will continue to be heavily used after the arrival of F2, because F2 is tasked with aircraft techeval, not our advanced weapons work."

NWTS pilot Cdr. Eli Hertz, the F/A-18 model manager, executed the initial functional test flights and returned the aircraft to China Lake. Weapons integration work began on April 9. "The first two flights on the aircraft were very successful for an aircraft that was modified to this extent," he said. "More than 3,500 circuit changes were done on the aircraft. The cockpit was totally disassembled and a new main instrument panel was installed."

This modification installed many of the E/F unique electronics subsystems, creating an airborne test platform that can test all weapons currently cleared for carriage on the F/A-18D airframe while concurrent flying qualities and flight performance tests, stores carriage and release work continues on the new engineering and manufacturing development aircraft at NAWCAD Patuxent River. "With this configuration," said Hofer, "the E/F avionics test bed aircraft will be a valuable tool for early testing of new E/F electronic interfaces between weapons, sensors, electronic warfare emitters, aircraft computers and cockpit displays."

Hofer reports that both front and rear cockpits of the aircraft have been reconfigured to include the new multi-purpose color display and the new touchscreen up-front

control display. Additional minor cockpit panel modifications were done to build a cockpit that closely represents the F. "This one-of-a-kind aircraft is important," he said, "because the 13E operational flight program is under development and this is the only aircraft that can fly the software right now."

The aircraft will initially be used for system software development with a secondary role supplementing E/F

***'This one-of-a-kind aircraft is important, because the 13E operational flight program is under development and this is the only aircraft that can fly the software right now.'***

—Tim Hofer

engineering and manufacturing development flight activity as needed. Follow on roles for the aircraft will include system integration testing of the integrated defensive electronic countermeasures, positive identification system, AIM-9X, Joint Helmet Mounted Cueing System and Tactical Airborne Moving Map Capability subsystems.

The ATB will provide a platform to conduct airborne system integration testing during a period of time when there are still no E/F aircraft available to the development community.

The dual bus E/F weapons stores management system (SMS) was installed in the wings and pylons using the E/F stores management upgrade SMS design. The aircraft has reconfigurable outboard pylons that can represent either the midboard or new E/F outboard weapon stations.

Finally, digital wingtip provisions for AIM-9X and a hardware interface for an ALE-50 towed decoy centerline pod was added. These changes comprise the major enhancements to the avionics test bed.

The schedule for this modification required one year of requirements definition and design, followed by a six month lay-up period in St. Louis. Rick Howell, of the Aircraft Instrumentation Branch, assembled twelve volumes of modification proposal information and led the proposal effort working with the local Aircraft Configuration Control Board to obtain authorization for modifications and flight clearances for the aircraft.

"These programs usually rely on several key individuals who make things happen. Rick pulled this huge clearance effort together and kept the process moving to produce authorization to modify and authorization to fly on time," said Hofer.

AMHC(AW) John Carter, of the Naval Weapons Test Squadron, spent six weeks on site in St. Louis performing government quality assurance training of his military maintenance personnel on the aircraft as final assembly was executed.

"This project was delivered on cost and within eight days of the original schedule despite a labor dispute during aircraft modification in St. Louis," said Charles Bechtel, F/A-18E/F block manager. "Hofer, Howell, WSSA flight test lead John Kimmel, Carter, John Trousdale at McDonnell Douglas, and my predecessor, Mike Spencer, all worked very hard to make this a success. There were plenty of challenges along the way, but the dedicated effort demonstrated by the team, coupled with thorough planning and management by Hofer and Trousdale, allowed the team to prevail."

See picture on next page

## Safety Sense

By Larry Stensaas  
Safety Specialist

### Beyond the 'right to know'

The material data safety sheet — MSDS. You've seen it, and you know it tells everything you need to know about the hazardous chemical you are working with — and probably more. Can you sort through all that technical information and zero in on what's important for you to know? Asking the right questions can help you get the information you need to work safely with each hazardous chemical. Here are some questions the MSDS can answer.

Sections 1-2: What is it? Find out what the chemical is, who makes it, what's in it and how much of each component there is. The MSDS includes common names for the chemical and names of substances in the chemical that may be dangerous. It will list the severity of the chemical's hazard.

Section 3: What's it like? The chemical's physical characteristics can help you know what to expect from it. Some chemicals become hazardous when they evaporate, especially if they are flammable or harmful to breathe. The vapor pressure tells how easily the chemical

vaporizes; the higher the vapor pressure, the more likely you are to inhale it. Vapor density indicates how heavy the vapor is; if heavier than air, it will accumulate in low places. Other qualities — solubility in water, appearance, odor, reactivity with water and specific gravity (whether the chemical floats or sinks in water) — can help you understand where the chemical is likely to be concentrated in the working environment.

Sections 4-5: What other dangers are there? Is the chemical hazardous when mixed with other substances or exposed to air or water? Is it combustible? Flammable? Explosive? To avoid improper handling that could lead to a fire or explosion, you need to know the flash point — the lowest temperature at which the chemical's vapor will ignite in the presence of a spark or fire — and the auto-ignition temperature — the temperature at which the chemical will ignite without a spark.

Section 6: Can it harm me? Find out what health hazards can result from exposure. What are the symptoms and

treatments? How can the chemical enter your body—through the skin, by breathing, by swallowing? What type of hazard is it — is it cancer causing, an irritant? What emergency first aid should be sought?

Sections 6-7: How do I protect myself? Find out what protective clothing and equipment to wear and how to

handle the substance safely. If you are storing or transporting the substance, what special precautions must you take? The MSDS contains a bewildering amount of data, some of it extremely technical.

By knowing what questions to ask when reading the MSDS, you can quickly find the most important information.

## Traffic enforcement day




Photo by Kathi Ramont

**ENFORCER**—On Friday, April 11, China Lake Police conducted a special traffic enforcement day. Pictured in front of Murray Middle School, is Officer Bill Willard on a traffic stop. The goal of this day was to present an increased police presence in an attempt to slow down traffic and provide a safer environment onboard the Station.

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**GOSS** from Page 8

March 1990 and assumed the department head position in June 1991. From June 1991 until January 1992, he was assistant technical director for Ordnance Systems and head of the Ordnance Systems Department.

From the inception of NAWCWPNs in January 1992 until October 1994 he was head of the Ordnance Systems Department.

"Each project was a lot of fun at the time," he said. "But I've gotten away from the technical side; I've been a manager a lot of years. You have to learn to take pride in other things, in what your people do and take pride in what you can do to help them do their job."

He said his objective is to get through this job without anyone getting seriously hurt. He stressed the importance of safety. "When the fire trucks roll by on that street out there (main CLPL area) it kind of makes you twitch. You don't know if it's a false alarm. This is the kind of business where the probability of something happening is really low, but the consequences are very high."

Goss is the holder of three patents and the author of numerous technical publications. He is the recipient of a number of awards including NWC's L.T.E. Thompson Award, the Michelson Laboratory Award for outstanding contributions to the advancement of ordnance and the Navy Meritorious Civilian Service Award.

**Luncheon information**

A retirement luncheon for Goss will be held at the Carriage Inn on Thursday, May 1.

Social hour begins at 6 p.m., followed by a western barbeque dinner at 7 p.m. and presentations at 8 p.m.

Tickets are \$16 per person. For tickets, gift donations or presentations, contact Susan Haynes at 927-2844; Terri Weindel at 939-7200 or Barbara Sorges at 939-7486.

**TOWN HALL** from Page 10

When asked about the CA studies, the NAVAIR commander reiterated his belief that most jobs would stay in-house. "When looking at making your contract bid you have to package it in the most efficient way," he said. "These are business packages and must be approached that way, because that's how the competition is going to make their bids. Don't make up these packages on how people are now doing the job, but rather on how they can do their jobs in the best and most efficient way. Don't compete on labor or time. Compete performance."

When asked, "Now that we know where we stand, can you tell us in what direction we should be going at NAWCWPNs," the admiral said, "No. I won't presume to dictate to you what business you should be doing. The people here know best what your capabilities are, and I'll leave it up to you to develop the new business."

Sterling Haaland added, "We've just finished some initial meetings [the March 19 and 20 Division Resource Management Board (DRMB) retreat], and have scheduled more, where we discussed what we're going to do that gets us toward where we want to go... what we're going to focus on... and what we are going to let go."

**Thrift Savings Plan Q&A: What is the ThriftLine?**

The New Orleans-based ThriftLine (504-255-8777) can be used anytime with a touch-tone phone. The line offers monthly rates of return for the three Thrift Savings Plan funds as well as the most recent 12-month return rates.

If you are a Thrift Savings Plan participant, you also can use the ThriftLine to obtain information about your account. In addition, if you have ever invested in the C or F funds, you can use the ThriftLine to change how much you allocate to each fund.

We're looking at how best to consolidate our future."

In response to another question, Lockard said NAVAIR has now reached a point where it could start looking at how to marry job availability with the available talent pool across the the competency aligned organization. If the right skills mix can be found, work from one RDT&E center might be performed temporarily at another center (some permanently if it fits the mission), or employees from one center might go TDY to another center, or move there permanently, to perform the center-specific work. Lockard said this would be the first time the work-assignment-flexibility aspect of CAO is demonstrated.

Besides the town hall meetings, Lockard and Somoroff toured several facilities and received briefings on a variety of topics. Late Wednesday afternoon with Chenevey, Haaland and Mendonca, they flew to Point Mugu to participate in more rounds of information sharing with employees there.

In all, Lockard led 13 town hall meetings, adapting and communicating his message well to each audience.

Continued from previous page



Photo by TID

**TEST BED**—The F-model modification installed many of the E/F unique electronics subsystems, creating an airborne test platform that can test all weapons currently cleared for carriage on the F/A-18D airframe. Shown above are (l-r) Project Engineer and Manager Tim Hofer, Modification Proposal Lead Rick Howell, Pilot Cdr. Eli Hertz and E/F Block Lead Charles Bechtel.

**Teach kids — a match is a tool**

A tool is an object that has a specific purpose. Implicit in this definition is the idea the tool should be used only for its intended purpose.

The match is a tool whose purpose is to light candles, start a fire in the fireplace, or light an outdoor grill. Tell your child it's OK to strike matches and use fire, but only under safe conditions and only in the presence of a parent or responsible adult.

Teaching about fire this way helps to eliminate one of the motivations for juvenile match play — curiosity about fire. Fire becomes a tool to be used — instead of a toy to be played with.

An explanation of the concept at an early age should be reinforced with hands-on experience in the safe lighting and handling of matches by the age of five. Remember to keep matches, cigarette lighters and the like strictly out of children's reach before that time. Show the child how to light, hold and blow out a match — then have the child demonstrate the behavior, time and time again.

Multiple repetitions in a single session will further drive home the message that matches have a valuable function and the skill must be practiced with an adult.

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Retirement

Dan Goss plans personal travel, fishing and enjoying the good life

By Kathi Ramont  
Staff Writer

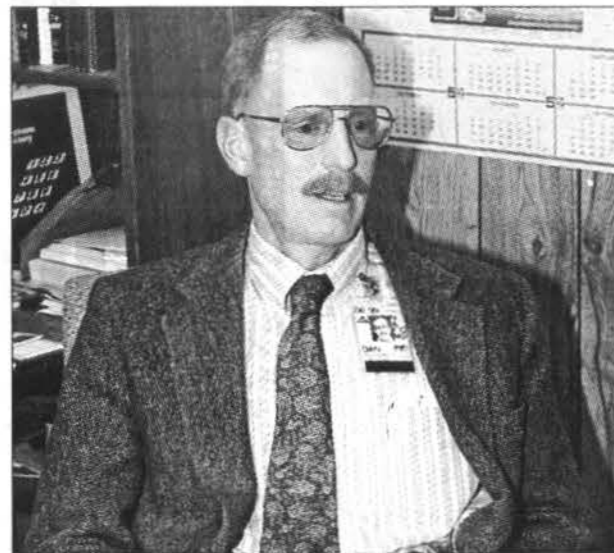
I've always been told it's better to be lucky than good," said Dan Goss. "And I've sure been lucky. I've had great career opportunities at China Lake, but now it's time to move on." Goss, head of the Airframe, Ordnance and Propulsion Division, is retiring after 33 years of federal service on May 1. "I've had a lot of fun and got to work in a lot of different areas with the opportunity to do hands-on design and follow it all the way through."

Retirement beckons because "birthdays keep piling on," Goss said. "It's time to do something else. Let some of the young guys have some of the fun." Goss' wife, Sally, is retiring from Cerro Coso Community College this spring, and their two children, Sarah and Matthew, are grown. Future plans for the Gosses include personal pleasure trips — a vacation trip to Alaska, backpacking trips. "I didn't even get a fishing license last year," he added. "I'm going to dig out my fly rod and see if it's operational."

His current division, consisting of scientists, engineers and technical support personnel, are responsible for the technology advancement of airframes, energetic materials (propellants and explosives), warheads and fuzes, solid and airbreathing propulsion, aircraft guns and ammunition; the design and development of weapons and weapon components; and the provision of consulting expertise in the described technical areas and in environmental and reliability engineering. "I have a lot of unconventional, creative people out here and it's part

of my job to keep them from self-destructing," he said with a laugh.

"I think there is too much pessimism here (China Lake)," Goss said. "I feel pretty optimistic about this



Dan Goss

place in the long term. The problem is the short term. With all the downsizing, I think our value is going to be recognized in the future. Unfortunately it may be a few more years. The problem is the same one we've faced for several years — which is to survive with our capabilities intact. I think it may be a few more years before they look around and say, hey, we really need our Navy labs."

Goss started out by studying geology at Arlington State College and Texas Christian University. "I got into this engineering business strictly on an economical

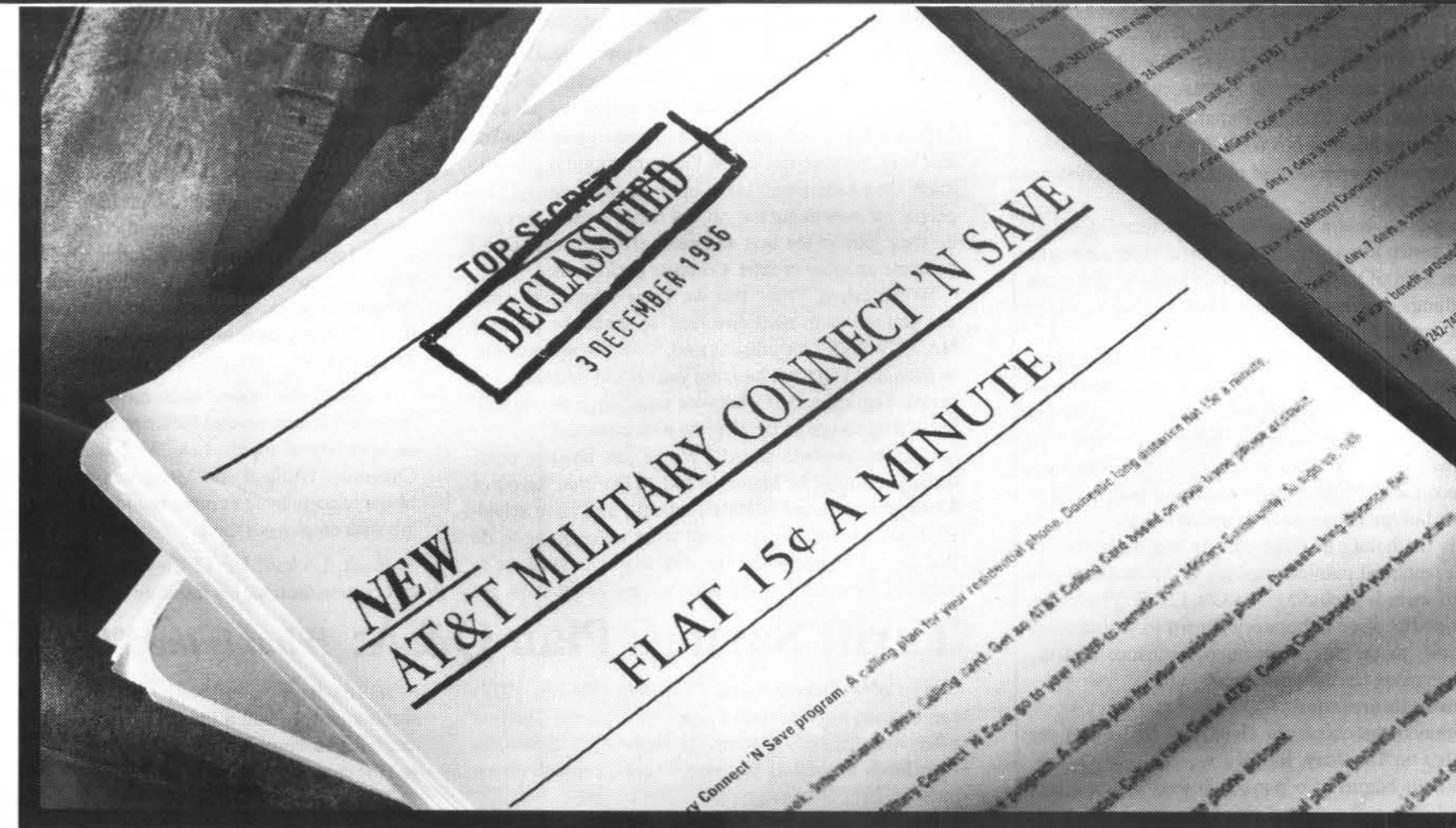
basis," he said. "I was studying geology and working at a grocery store, and a friend also was studying geology, and he graduated and then came back to the grocery store because he couldn't get a job." Goss said he heard that engineers made a lot of money, so he decided to become one — "whatever an engineer was." He went on to earn a bachelor's degree in electrical engineering from the University of Texas in 1963. Following graduation, he worked as an electronics engineer for the Naval Ordnance Laboratory, Corona, Calif., where he was involved in design efforts for guided missiles, unguided rockets and free-fall weapons.

He received a Navy fellowship for postgraduate studies in engineering at the University of California at Los Angeles, with emphasis on communication and control theory. He was awarded a master's degree in engineering from UCLA in 1968.

In 1971 Goss transferred to the then Naval Weapons Center China Lake and served as project engineer for a number of weapon proximity fuze projects. In 1974 he was selected as head of the Surface Target Fuze Branch. He managed the development of proximity fuzes and the microwave portion of the Hybrid Terminal Assist Landing System.

In 1978 Goss formed the Standard Missile Project Office, serving as project manager until 1982, when he was selected as head of the Fuze Systems Division. He became associate head of the Ordnance Systems Department in 1987, with additional responsibility for overseeing the department's major weapon development programs. He was appointed acting department head in

Please see GOSS, Page 18



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# Navy seeks public comments at land use scoping meetings

By Peggy Shoaf  
Public Involvement Office

Officials at NAWA China Lake announced plans to prepare an environmental impact statement (EIS) on the implementation of the China Lake Land Use Management Plan (CLLUMP) now under development. The Navy has scheduled a series of public scoping meetings throughout the high desert region to encourage public comment as part of the EIS process to ensure potential environmental impacts are identified and considered.

At the meetings, representatives of China Lake and the Bureau of Land Management will be on hand to discuss the CLLUMP, the mission and operations of China Lake and the EIS process.

Area residents and other interested members of the public are encouraged to attend one of the six meetings during May and June to learn about the plan and make comments.

"Scoping meetings are designed to help us focus our environmental impact statement in the right direction," said Capt. Stan Douglass, commanding officer of NAWA China Lake. "We need local residents, the folks who know the area best, to make sure we have identified and considered all their concerns about land use at China Lake."

The series of scoping meetings is the public's formal opportunity to provide comments at the beginning of the EIS process. Following the six public scoping meetings, a draft EIS will be published and made available to the public later this year. Public hearings on the draft EIS will be held after publication. A final EIS is expected to

be published in February 1998. After at least a 30-day public review period, a formal record of decision will be released by the Navy.

The evening scoping sessions will receive comments from the public on environmental issues that should be addressed and analyzed in the EIS. Beginning at 5:30 p.m., Navy and BLM representatives will feature informal discussions of displays showing the China Lake mission and operations, environmental resources, the CLLUMP and EIS process. Starting at 7 p.m., Navy and BLM officials will make formal presentations, followed by an oral comment period for the public. The scoping sessions schedule is:

- Ridgecrest — May 20, 5:30 p.m., Desert Empire Fairgrounds
- Johannesburg — May 21, 6:30 p.m., Rand Hall
- Independence — May 22, 5:30 p.m., Owens Valley School Learning Center
- Trona — June 3, 5:30 p.m., Trona High School Auditorium
- Barstow — June 4, 5:30 p.m., Kennedy Middle School
- Inyokern — June 5, 5:30 p.m., Inyokern Elementary School Cafeteria

Comments will be solicited by a variety of methods, including comment cards and a formal oral comment period that will be transcribed by a court reporter. "We want to make it as easy as we can for people to give us their comments," said Debbie Smith, public involvement specialist for NAWA China Lake.

In addition to these meetings, the public can participate in the scoping process through any or all of the following ways:

1. Call (760) 939-0050 for a recorded message.

2. Log onto the CLLUMP/EIS World Wide Web Home Page at <http://www.nawcwps.navy.mil/~cllump/cllump.html>.

3. Send written questions and comments on the proposed actions and alternatives to: Robin Hoffman, Land Use Planning Office, Code 83KA00D, 1 Administrative Circle, China Lake, CA 93555-6100.

Written and verbal comments will be given equal consideration in preparing the EIS. All comments should be received by June 30, 1997.

Encompassing more than 1.1 million acres of land in California's Mojave Desert, China Lake has terrain that ranges from dry lake beds at about 2,300 feet above sea level to mountains more than 8,800 feet high. This diversity and remoteness has, since 1943, offered ideal conditions for research, development, test and evaluation (RDT&E) of military weapons systems and for performing service training and tactics development.

With the smaller defense budget and with closure of many bases, there are fewer areas available to the Navy and the Department of Defense for these kinds of operations.

NAWA and NAWCWPS hope to expand their current business base to accommodate additional RDT&E and training operations. The objective of the land use management plan is to provide an effective strategy to manage the land, meet mission requirements and continue responsible resource conservation for use by Navy operations and support managers, planners and technical personnel at China Lake. This plan and the EIS will enhance the operational capabilities and better prepare China Lake to accommodate evolving technologies.

Please see EIS, Page 20

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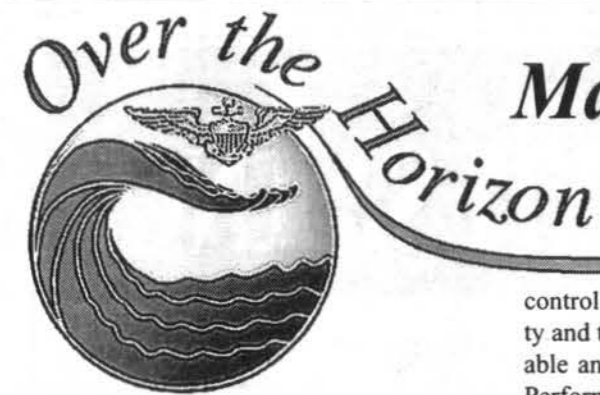
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## Managing information strategically— Getting the highest return on our IT investment

*Editor's note: While this column was released electronically more than two weeks ago, and some readers may have seen it more than once, there are those without access to electronic mail who should read it here. Please also see "town hall" article on Page 12.*

By VAdm. John A. Lockard  
NAVAIR Commander

We've been living in the "do more with less" mode for a long time now. The demands on our Navy continue to increase as resources diminish. With the best intentions, our people keep pushing harder and working longer, with what seems to be no end in sight. We cannot continue to operate in this afterburner pace forever — something eventually has to give or we'll run out of fuel. We owe it to our customers to ensure the sacrifice isn't theirs. And we must take care of ourselves along the way.

In study after study within DoD and private industry, information technology (IT) consistently emerges as a solution — a key "force multiplier" that will enable us to produce better products, faster and for less money. This is a simplistic definition, because we're talking about much more than automation and increased productivity. Real improvements will only be achieved once we master the art of redesigning our work processes — using information technology to achieve desired results.

To maximize the potential benefits, we must apply our IT tools strategically, evaluating the success of our projects in terms of measurable business outcomes. We must apply the same level of scrutiny to our IT investment as we do to our weapons programs. It will take discipline to get our arms around this challenge, but we simply must do it. We have the experience, the tools and the creative minds to get there. And when we do, the pay-off will be well worth the effort.

### IT as a strategic business tool

I see our approach to information management as having three strategies — seamless communication, corporately shared information and business process redesign. We've made great progress on achieving seamless connectivity. Today, TEAM members across the corporation are connected electronically, able to receive, modify and re-transmit documents across a distance with relative ease. As we move forward, we will need to establish a policy of configuration

control to maintain seamless connectivity and to ensure our systems are supportable and affordable well into the future. Performance standards for desktop computers, software, servers and network operating systems are vital to maximizing the benefits of process improvements corporate-wide. A group of individuals from across our TEAM is working to identify IT procurement standards which both meet our requirements and are consistent with the overall Navy and DoD direction.

Creating a stable infrastructure was a huge undertaking, but the biggest challenge lies before us. We must now shift our focus toward managing data from a corporate perspective in order to maximize the potential for information exchange. We must provide our people with access to the meaningful, accurate and reliable information they need to do their jobs.

Accessibility to accurate corporate information is critical to running a geographically separated organization. Today's calls for information are more frequent and more highly scrutinized — the information we provide must be on target every time. Our goal is to support the Navy's need for information on budget execution and to sustain our credibility in the process. To get there, we must develop relational databases built around common data definitions that will allow us to respond quickly, with reliable accuracy, from any location across the TEAM.

Managing information strategically goes beyond access and interpretation of data. It requires the ability to step back and rethink current work processes with a view toward efficiency. This may mean entirely discarding processes that no longer effectively address our business needs. The hardest part is breaking down the process and identifying requirements in terms of the end product.

Once the requirements are understood, the users and the IT professionals can roll up their sleeves and together, build a system that will achieve the desired results.

Collaboration between users and IT professionals is essential for success. Obviously, real ownership lies with the user. He or she understands the problem and will live with the results. The information technologist is also a key player, providing a "feasibility analysis" and recommending the best IT solution, given availability, cost and common approaches. This collaboration should begin at the onset of a project to achieve the best results.

Several IM projects designed to revolutionize the way we do business are already under way. Our annual operating plan (AOP), for instance, is an outgrowth

of our top-level focus on business and financial management. The AOP is an automated management tool that enables our senior managers to monitor progress toward clearly defined goals at any given point during the execution year. Our TEAM-wide Workload Planning System (WPS) will give us the ability to understand future customer demand, thereby developing the skills and facilities to match that demand most effectively. The system will also provide valuable feedback on the rate and quality of execution, so we can make mid-course corrections when necessary. WPS will provide us with the basis for making smart investment decisions, understanding the true impact when trade-offs in capability and capacity are necessary.

Business simulators that test the financial solvency of our business, management, engineering and maintenance approaches (before we invest in their implementation) are just around the corner. These decision support tools have the potential to generate very real savings.

### Managing our IT investment

Learning to redesign our processes with IT in mind is only part of the picture. We have a tough hurdle to cross in terms of managing the dollars we invest. Until now, we have been much too liberal in our IT investment decisions, spending a significant amount of money with no overall insight into where it's going and what we're getting for it. We've been in a mode of reacting to unique, short-term requirements without giving enough thought to the long-range impacts. We simply cannot afford to operate this way any longer.

I realize that out of sensitivity to our customers, our managers want the best tools available to their teams. When those tools aren't immediately available through our IT support network, the tendency is to work around the problem and buy whatever necessary to get the job done. Their intentions are right on target. The consequence however, is a mish-mash of sub-optimized solutions that meet short-term requirements but drive up cost.

Providing everyone with the optimal solution every time is simply not possible. We must move away from independent, loosely connected systems designed to solve unique problems. We need an approach to screen out redundancy. If you have a funded requirement for a new system, you should first go to your competency and IM department to check for existing solutions. If no answers exist, the requirement would be addressed individually — and then made

available for application to other programs. My intent is not to inhibit your ability to produce by creating new obstacles. But we have no reason to reinvent the wheel when technology is sophisticated enough to handle multiple requirements with a level of commonality.

In addition to our program-specific requirements, we must establish a command-wide investment process to address common requirements for infrastructure, databases and desktop applications. To start, I have selected Ken Miller as our TEAM's chief information officer (CIO) to facilitate a customer-driven investment process. Every member of the TEAM will have the ability to send his or her requirements forward for consideration. Our CIO working group will then prioritize these requirements and their potential IT solutions. The top several requirements and their execution plans will be passed on to the CIO strategy and investment board for approval, and finally to the Command Investment Board for evaluation against other corporate investment needs. This integrated investment approach will enable us to develop full-spectrum corporate solutions to our business requirements, at an affordable cost.

Another aspect of managing our IT investment is the appropriate use of our IT tools in day-to-day business. Use of the Internet is a prime example. Internet access has been provided as a resource to assist you in performing your work. This privilege brings with it a level of responsibility. Just as you wouldn't watch television or make long-distance personal calls at work, nor should you surf the Web for entertainment. I expect our supervisors to raise employee awareness in this area. It's a matter of common sense responsibility and safeguarding the public trust. I encourage you to use the Internet as intended — to make our TEAM better.

Information technology will continue to evolve at an astounding rate. We must press hard to keep pace — become much more sophisticated in our use of IT to maximize results. Let's leverage the technology to improve. I have total confidence in our ability to meet this challenge. The time is now. The tools are abundant and readily accessible. Let's get our heads together and do it better — for our customers and for ourselves.

*Readers are encouraged to send e-mail or written comments about this article to the NAWCWPNS Public Affairs Office, Code 750000D. All comments will be forwarded to NAVAIR Headquarters.*

### SPS from Page 1

reengineering model, process improvement teams assessed "as is" processes, compared the "as is" model to best practices from government and industry and designed a DoD procurement best practices model, built to support any DoD procurement operation.

Special interest focus groups, involving contract specialists, customers and other support personnel from China Lake and Point Mugu developed detailed, prioritized requirements for their area of expertise. These requirements were integrated into a single model by a core process improvement team. The final functional requirements were submitted to AMS who began using rapid prototyping to modify their commercial software and transform PD into PD2.

In August 1995, a prototype version of PD2 was delivered to NAWCWPNS for testing. Over the next year, more than 1,000 desired enhancements and corrections to the software were identified and prioritized as software trouble reports. These reports were sent to AMS who recreated the errors and scheduled fixes

in the next available software release. Data migration programs were developed and tested. The Contracts computing hardware environment was analyzed and adapted to support PD2. As deployment time drew near, a user desk guide and standard operating procedures were developed.

Trying to turn actual deployment into just another day at the office, according to the PD2 team, they integrated deployment seamlessly with training. Trainers were trained, prototype classes refined their skills, and true-to-life training scenarios were employed.

Training covered use of the new tool and the new business processes. It was conducted team-by-team with each team representing a complete business unit of contract specialists with their clerical support and contracting officer. While a team attended training, the software was installed on their desktop computers and their current work was entered into the system. When they got back to their desks, they were ready to go. Roving system experts assisted the team in their



Photo by Joy Lewis, TID

PD2 Project team members Judy Zessin, requirements and training coordinator; Alan Karty, functional team lead; Karen Haden, business systems department head; Paul Wydra, DSR technical team lead; and Mike Calimlin, system manager confer following the selection of their system to be DoD's new standard procurement system.

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work space for a week following training, and then a help desk continued support. Initial operational capability commenced in May 1996. Additional functionality and improved processes continue to be added to PD2.

Today, PD2 supports all phases of the defense acquisition process, including requisition, small purchase and contract placement and administration. PD2 has many unique capabilities including transmitting and receiving electronic data interchange transactions for paperless processing of requests for quotations, purchase orders and acknowledgments.

The Business Systems Department of NAWCWPNS Contracts Competency, in partnership with AMS and DSR, has worked more than three years, spanning three directors of contracts, Cdr. Cedric Knight, Cdr. Chris Webster and Cdr.

Gary Gustafson, designing, developing and rigorously testing a product that beat out all competitors.

As a result, NAWCWPNS has played a significant role in determining the future of procurement in DoD and can add yet another technological advance to its long history of accomplishments.

Elliott Branch, executive director of Acquisition and Business Management for the Assistant Secretary of the Navy for Research, Development and Acquisition, said SPS is the system which will bring a common operating environment to DoD's procurement community. "It is going to carry the Navy procurement community into the next century and will be a prerequisite for maintaining contracting authority," he said.

### Lawn mower safety tips from CLFD

The China Lake Fire Division reports more than 62,000 persons are injured annually in lawn mower accidents. When using your mower, follow these safety tips:

- Do not smoke while fueling lawn mowers.
- Wait for machines to cool before refueling. Wipe up spilled fuel immediately. Never fuel a running mower.
- Store and pour gasoline carefully and keep it in an approved container.
- Check electrical mower cords for

frayed and damaged spots. Frayed insulation added to a metal mower, damp or wet grass, can cause severe or lethal burns.

- Leave blade sharpening and electrical repairs to professionals.
- If you do your own cleaning and tune-up, disconnect the spark plug or remove it before beginning.
- Never leave the mower without turning it off. It takes only a few seconds to run inside, and only a few seconds for the mower to cause someone serious injury.

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**HALE-BOPP**, from Page 1

particles and gas emissions. Comets are thought to be the remnants of the early solar system. While the planets have been changed by weathering, tectonics and other factors, comets are the most unchanging, or pristine, bodies in the solar system. Data gathered from these missions to study Hale-Bopp will add to the body of knowledge being compiled on the origin of the universe.

The two-stage Black Brant rockets are just 18 inches in diameter, but 55 feet long, giving them the appearance of an arrow with two sets of feathers. The first stages were Navy surplus Terrier rocket motors that burned for four to seven seconds before separating.

The second stages, purchased by NASA for these launches, burned out in approximately 30 seconds and separated at 40 seconds. The payloads then continued on parabolic curves that took them outside the atmosphere for short duration space flights, during which the equipment sets gathered data, before their paths brought them back into Earth's gravitational pull.

The highly sophisticated equipment sets and service modules then parachuted back to the range at White Sands where they were recovered by NAWCWPNS personnel.

Though the highest of the launches reached only 240 miles in altitude and each payload was in zero gravity flight for just five to seven minutes before

falling back to earth, the telescopic view provided under those conditions was much clearer than could be obtained from Earth.

"These are extremely expensive and sensitive pieces of equipment," said John Winstead, a project manager in the NAWCWPNS Research Rockets Office. "Besides gathering information on the comet, our launches help the various investigators baseline the equipment and make improvements. They may be used and modified several times in launches such as these before they are ready to be sent up in a space shuttle for longer duration scientific missions."

All of the missions, which were initiated at NAWCWPNS White Sands Launch Complex 36, were night launched (between 8 and 9:30 p.m.) to eliminate the effects of light emitted from the sun. The first, designated 36.158 UL, took place March 24. The principal investigator was Dr. James Green, of the Center for Astrophysics and Space Astronomy, University of Colorado. According to the flight requirements plan for the mission, there is a concerted effort to observe the comet in many spectral wavebands. The payload covered the 730-1050 Angstroms region, which is not covered by any orbiting observatory. "This bandpass includes the important lines of the noble gases neon and argon, as well as the bright OIII lines, HI Lyman Beta and

several other interesting lines," the plan read in part. "Detections of several of these lines will be a first for a comet." Since neon and argon form only under certain circumstances, if the data shows they were detected in Hale-Bopp, they could provide scientists with when and where the comet was formed.

The second mission, 36.155CL, directed by Dr. S. Alan Stern, of the Southwest Research Institute, was launched March 29, carrying an Extreme Ultraviolet Spectrograph (EUVS) payload. According to the flight requirements plan, the EUVS Hale-Bopp dataset was used for high sensitive searches for noble gases; far-ultraviolet (FUV) measurements; new measurements aimed at



resolving the feature-identification "controversy" generated by the comet Austin spectrum; and to search for "important but heretofore undetected FUV emissions from N<sub>1</sub>, N<sub>2</sub> and other species. The plan noted that deep survey spectra obtained by the EUVS would provide highly valuable inputs for the development of FUV spectrometers planned for future use on the New Millennium Deep Space 1 flyby and Rosetta comet orbiter.

The third mission, 36.156 UG, was launched April 5 by Dr. Paul D. Feldman, of Johns Hopkins University. It carried a Faint Object Telescope (FOT) payload.

The flight requirements plan for this mission noted that comets "represent an ideal class of extended emission-line object, (with) the spacial distribution of the emitting species providing information about densities, excitation mechanisms, collisional and radiation entrapment effects and outflow dynamics. Long-slit ultraviolet imaging spectroscopy (such as that provided by the FOT) is a powerful technique for studying the physics and chemistry of the cometary atmosphere, according to the plan.

The final mission, 36.157 UL, carrying the Wide-Field Imaging Survey Polarimeter (WISP) payload, was launched last Monday, April 7. Dr. W.M. Harris, of the Space and Astronomy Laboratory at the University of Wisconsin, was the principal investigator. Normally used for the study of properties and geometric distribution of diffuse dust in this galaxy and nearby galaxies, in this instance the WISP was used to study the diffuse emission in the extended coma and tail of comet Hale-Bopp.

According to the flight requirements plan the mission focused on "continuum reflection of solar radiation from dust in the near ultraviolet and important far ultraviolet carbon resonance line at 1657 Angstroms."

**ARROW**—Terrier Black Brant (Mod 1) sounding rockets like this one, shown in a daytime launch, were used to launch scientific payloads to gather data from comet Hale-Bopp.

**Paul McQuaide feels his new SES position is an exciting opportunity**

By Pat Hollenbaugh  
Missile Editor

*Editor's note: This is the second in a series on new members of the Senior Executive Service. Next issue, Sandy Rogers.*

Paul McQuaide heads the Threat/Target Systems Department at Point Mugu. McQuaide began his civil service career in July 1969 as a junior professional after earning a bachelor of science degree in mechanical engineering from Loyola University of Los Angeles.

He served from 1969 to 1984 in positions of increasing responsibility which included flight testing of the BQM-34E target and basic design engineering and production support for conventional, unguided weapons. He was project manager for the Navy's Weapons Thermal Protection Program and led successful efforts to reduce the hazards of weapons exposed to accidental fuel fires. He also led efforts to develop uniform fuel fire test methods and standards for NATO countries. As an expert in the field of weapon cook-off, McQuaide authored numerous technical publications and presented papers at technical symposia.

He served as project manager for the Advanced Air-to-Air Missile from 1985 to 1988 and then became head of the F-14A/B Software Development Branch. Promotion to project director for the F-14 Program followed. During this time, McQuaide led an integrated government/contractor team at NAWCWPNS that developed deployable performance upgrades for all variants of the F-14 aircraft.

From 1994 to 1996 McQuaide served as head of the Integration Branch and associate head of the Mission and Sensors Division. He directed an organization that provides integration, flight testing and performance assessment of aircraft avionics and weapons.

In 1996 he became head of the Test Operations Division of the Pacific Ranges and Facilities Department where he provided management and leadership for a team of more than 250 civilian, military and contractor personnel who provide test support services at both sea and land ranges.

"I was excited about the selection process," McQuaide commented. "I was aware that there were lots of excellent candidates for the three SES positions. I thought it was a really good sign when I

saw that the interview panel for the 5.0 positions included the head of 5.0, the executive director and the head of 5.1 from the Aircraft Division.

"I thought surely this panel ought to be able to select leaders for the 5.0 positions."

When asked about the importance of an SES position to Targets and Threat Systems, he replied, "The SES positions are very important to their departments, the Weapons Division and the entire Naval Aviation Systems Team. To the department, the position enhances our ability to support the warfighter as we lead development of targets, auxiliary systems and threat simulators for the Navy and other services."

McQuaide continued, "For the Weapons Division and NAVAIR, the positions are an important means through which the Navy implements DoD and administration policy in the field. The three of us who were just selected represent the new blood of NAWCWPNS top managers and hopefully bring new creative ideas. I think that quality was one important factor in our selection.

"They've chosen the right people to step up and take a turn. I really feel this is an exciting opportunity and I'll work for us as hard as I can."



Paul McQuaide

McQuaide's awards include a Navy Meritorious Civilian Service Award and a Commander's Award for management and leadership. He co-authored a book, "Test and Evaluation of the Air Launched Tactical Missile," published by the American Institute of Aeronautics and Astronautics, Inc., Washington, D.C.

McQuaide, and his wife Leslie have two children, Sarah and Eamon.

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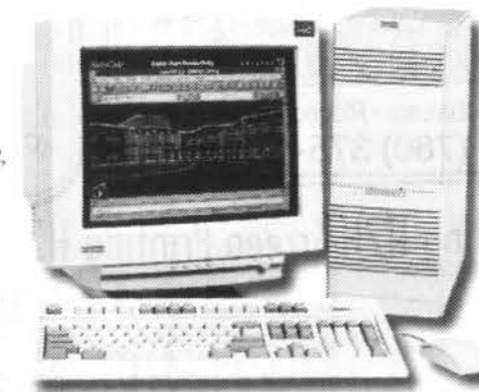
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facilities for scheduled activities and assists with additional events and programs; patrols facility, verifying identification of patrons, maintaining order, and preventing damage in the facility; interprets and enforces Youth Activities rules and regulations; prepares and issues patron account information; receives payments; responsible for a cash fund; prepares Daily Activity Reports; collects fees and charges for youth recreation programs; and provides general office support work. Incumbent must be able to exercise tact, good manners, and courtesy when serving and assisting customers. Work schedule may include evenings and weekends. Incumbent must be able to successfully pass all personal background investigations and be able to obtain CPR and first aid certifications and Class "B" driver's license within 30 days of employment. **Quality-Ranking Factor(s):** Ability to plan, coordinate, and prioritize tasks; ability to communicate orally and in writing; ability to work with all levels of personnel; and working knowledge of Macintosh programs (Microsoft Word, Filemaker Pro and Excel). Promotion potential to DG-2, but not guaranteed.

**Note 1 applies.**

#### POINT MUGU/CURRENT NAWCWPNS EMPLOYEES WITHIN THE COMPTROLLER/FINANCIAL MANAGEMENT DEPARTMENT

**No. 761-012-SE7, (4) Accounting Technician, GS-525-7/8/9, Comptroller/ Financial Management Department, Customer Services Division, Costing Branch, Code 761200E—Area of Consideration:** Current NAWCWPNS employees within the Comptroller/Financial Management Department at Point Mugu. **Opening Date:** 4-17-97. **Closing Date:** 5-1-97. **Selecting Official:** Ken Olson, 989-8626. **HRD Contact:** Susan Ellis, 989-3319. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent provides technical direction to other accounting technicians on a daily basis for both on-line interactive and batch processes. Analyzes overall system operations to determine error sources processes, applicability to specific transaction correction procedures and determination of corrective actions. Analyzes/validates technician worksheet of accounting data as the basis of management analysis of ratios, trends, and projected conditions. Reviews documents and electronic data to ensure accuracy, data format, and completeness of data to ensure compatibility with existing or changing system processes or interfaces. Continuously reviews system procedures, data workflow, and financial transaction posting integrity and account balancing. Provides site financial analysis and data to DFAS to ensure financial integration and compatibility with DOD accounting regulations and guidelines. **Quality Ranking Factors:** Ability to utilize the NIFMAS system for processing of accounting transactions.

**No. 761-013-SE7, (6) Accounting Technician, GS-525-06/07, Corporate Operations Group, Comptroller/Financial Management Department, Customer Services Division, Costing Branch, Code 761200E—Area of Consideration:** Current NAWCWPNS employees within the Comptroller/Financial Management Department at Point Mugu. **Opening Date:** 4-17-97. **Closing Date:** 5-1-97. **Selecting Official:** Ken Olson, 989-8626. **HRD Contact:** Susan Ellis, 989-3319. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent utilizes sound accrual accounting principles and procedures within a double-entry, highly automated, and complex Defense Business Operations Fund/Naval Working Capital Fund job order cost accounting system. Processes and balances daily disbursement listings against commitment/obligation entries to ensure sufficient funds/match job order numbers and cost centers. Processes costs in the NIFMAS system based on accrual schedules and other documentation of contract performance. Receives and classifies commitment and obligation documents. Performs maintenance, validation, and reconciliation of general books of account and subsidiaries. Examines disbursement/collection vouchers to ensure accuracy. Monitors errors and re-enters corrected transactions. Prepares adjustment transactions when discrepancies are discovered. **Quality-Ranking Factor:** Ability to utilize the NIFMAS system for processing accounting transactions.

#### REASSIGNMENTS

**No. 41-006-RF7, Supervisory Interdisciplinary (General Engineer/Physicist/Operations Research Analyst/Mathematician/Computer Scientist), DP-801/1310/1515/1520/1550-4, Systems Engineering Department, Systems Engineering Management Division, F/A-18 IPT, Code 411100D—Area of Consideration:** NAWCWPNS. **Opening Date:** 4-17-97. **Closing Date:** 5-1-97. **Selecting Official:** Barry Douglas, (760) 927-4500. **HRD Contact:** Robert Fitzpatrick, (760) 939-8117. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** As the F/A-18 Mission Systems Acquisition Leader, this position is responsible for all aspects of assigned acquisition and technical support for new or existing products in the acquisition phase for the F/A-18 model aircraft weapon system. The position receives programmatic direction from and is directly accountable to the F/A-18 IPT Chief Engineer for cost, schedule, and performance requirements associated with assigned acquisition products. IPT acquisition support products include new system capabilities (e.g., aircraft system upgrades), fire control/targeting system upgrades, integration of updated electronic warfare systems as well as coordination with common avionics, trainers, and ground support engineering activities. Duties include: planning, controlling, evaluating, and coordinating the technical efforts of diverse

#### ANNOUNCEMENT NO. NSOC-001-RS-97

**Opening Date:** 4-17-97

**Closing Date:** 5-19-97

**Area of Consideration:** Current appointable DOD civilian employees nationwide

Currently recruiting for full-time permanent employment in the following position(s):

**Title, Series, Grade:** Supervisory Electronics Engineer, GS-855-13

**Duty Station:** Naval Satellite Operations Center, Operations Directorate, Satellite Communications Department

**Point of Contact:** Rosalie Sommer, DSN 351-3231 or (805) 989-3231

#### Summary of Duties:

Serves as a technical manager for communication systems programs. Directs, leads, assigns, organizes, sets objectives, plans schedules, budgets, coordinates, and directs detailed phases of communication systems programs and development. Serves as the Command's technical expert on communication engineering. Oversees development, dissemination, and maintenance of all Satellite Operations Communications Division and contractor documentation. Serves as a first-level supervisor.

#### Summary of Qualification Requirements:

Substitution of Education: Education above the high school level may be substituted in part or in full for the required experience as outlined in the X-118 Qualification Standards for this position.

functional task teams, multidisciplinary product teams, and systems integration teams needed to satisfy customer requirements; developing plans and schedules with defined milestones and metrics for assigned acquisition products; cost, schedule, and performance monitoring; and implementing and tracking corrective actions as required. This position is the leader of a group of 12 to 15 product leads. As such, the leader is responsible for mentoring and training these individuals with regard to acquisition milestones and program management. A collateral duty for this position is to market the capabilities of the organization to obtain additional work. Selectee for the position will be required to meet the mandatory DAWIA requirements for training, experience, and education for Level III of the Systems Planning, Research Development, and Engineering Career Field within 18 months of entering the position. Selectee must be a current member of the Acquisition Professional Community (APC) or become an APC member prior to assignment. Incumbent must be able to obtain and maintain a Top Secret clearance. Full performance level for this position is DP-4. Interested reassignment candidates should send an updated application to Barry Douglas, Code 411100D. **Notes 3 and 4 apply.**

**No. 473-002-RP7, Supervisory Interdisciplinary (General, Chemical, Mechanical, Aerospace Engineer, Physicist, Chemist), DP-801/893/830/861/1310/1320-4, Code 473400D—Area of Consideration:** NAWCWPNS. **Opening Date:** 4-17-97. **Closing Date:** 5-1-97. **Selecting Official:** Head, Airframe, Ordnance, and Propulsion Division, (760) 939-7200. **HRD Contact:** Robert Peoples, (760) 939-8120. **Permanent Change of Duty Station Authorized:** Yes. **Duty Station:** China Lake. **Summary of Duties:** The incumbent serves as Head, Energetic Materials Branch, which is a multidisciplinary organization consisting of approximately 65 scientists, engineers, and technical support personnel located at China Lake and Point Mugu. The Branch is responsible for the technology advancement of solid rocket propellants; explosives (including volumetric explosives); medium-caliber guns and ammunition; the planning and conduct of very small- to very-large scale detonation tests; and the provision of consulting expertise in the described technical area and in liquid propellants, and high-temperature insulators. The incumbent must demonstrate knowledge of energetic materials (propellants and explosives); warheads, fuzes, solid and airbreathing propulsion, and airframes; weapons and the weapons technology and development process; and the safety requirements and procedures associated with the technology, development, and industrial processes of energetic materials. The incumbent must demonstrate the ability to manage an organization function effectively as a member of the Weapons Department Management Team, and to effectively communicate and coordinate with other organizations within, and external to, the Navy, including other government agencies, private industry, and non-U.S. agencies. As a supervisor, incumbent must demonstrate knowledge of affirmative action principles, including a willingness to implement EEO practices, policies, and procedures. The incumbent must have the ability to meet the mandatory DAWIA requirements for training, experience, and education for Level III of the Systems Planning, Research, Development, and Engineering Career Field within 18 months of entering this position. Selectee must be a member of the Acquisition Professional Community (APC) or become an APC member prior to assignment. Incumbent must be able to obtain and maintain a Top Secret Clearance. Interested reassignment candidates should send an updated application to Robert Peoples, Code 731000D. **Notes 2, 3, and 4 apply.**

**No. 4B-001-RP7, Research Chemist, DP-1320-3, Code 4B3100D—Area of Consideration:** NAWCWPNS. **Opening Date:** 4-17-97. **Closing Date:** 5-1-97. **Selecting Official:** J.M. Hoover, (760) 939-1645. **HRD Contact:** Robert Peoples, (760) 939-8120. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent will formulate and execute interdisciplinary research, development, and hazards assessment programs addressing energetic compounds/materials and weapon systems safety engineering. Incumbent will formulate and execute fundamental and applied research projects to predict/model (using analytical and empirical computer codes) and characterize the performance, hazards, mechanical behavior, vulnerability, and environment impact of

energetic materials formulations for weapons applications. The incumbent will perform system safety hazard analysis, fault tree analysis, and insensitive munitions (IM) threat hazard assessment (THA) to support the fielding of weaponized energetic materials. The incumbent will utilize available reference databases such as Navy Lessons Learned, Naval Safety Center, NATO Inertive Munitions Information Center, and contractor historical files. The incumbent will develop methodology for the advancement of THA and other hazards-related tools. Incumbent will prepare IM waiver packages and provide technical presentations to the support of weapons certification. Incumbent will prepare technical documentation (publications, patent disclosures, presentations, reports, etc.) and maintain communications with the Naval Air Systems Command science and technology community regarding weapon system safety engineering and energetic materials research, development, testing, and evaluation. A strong fundamental understanding of energetic materials research, development, and system safety engineering is required, along with a minimum of 5 years demonstrated experience in each of the fields described above. Incumbent should be nationally and internationally known for his/her work. Expertise should be demonstrated by technical publications (open and/or restricted literature), patents, and disclosures (unclassified and/or under secrecy order), invited technical presentations at national and international symposia, and coordination and/or organization of symposia and/or workshops. Incumbent should have a strong, demonstrated record of involvement in research with DOD, DOE, academia, industry, and foreign allies. Incumbent must be able to obtain and maintain a Secret clearance. Interested reassignment candidates should send an updated application to J. M. Hoover, Code 4B3100D. **Note 4 applies.**

**No. 52-007-JM7, Supervisory General Engineer, DP-801-4 or Supervisory Interdisciplinary Engineer (Supervisory Mechanical Engineer, DP-830-4/Supervisory Electronics Engineer, DP-855-4/Supervisory Aerospace Engineer, DP-861-4/Supervisory Physicist, DP-1310-4/Supervisory Mathematician, DP-1520-4), Test and Evaluation Competency, Pacific Ranges and Facilities Department, Code 52B000E—Area of consideration:** NAWCWPNS. **Opening Date:** 4-17-97. **Closing Date:** 5-1-97. **Selecting Official:** Sandy Rogers, 939-4803. **HRD Contact:** Jan Meadows, 989-3261 (DSN 351-3261). **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent serves as the Associate Department Head for Test Programs and is located at the Point Mugu site. He/she is responsible for providing department-level direction to range offices within the Department and serving as the focal point to ensure that quality services are provided to test program customers. Customers include Navy, Army, and Air Force organizations, foreign military organizations, and commercial enterprises. The incumbent is responsible for developing and implementing multiple-application marketing plans that emphasize visibility of range services and ensure attracting and maintaining a broad customer base. The associate is also responsible for continuously improving customer products and services across the range operations arena through applying effective business and operational practices. The incumbent manages the development and implementation of systems engineering practices and applies a corporate perspective in identifying future customer requirements and in ensuring that these requirements drive investment planning decisions. He/she must possess knowledge of range operations and systems in order to plan technical improvements, marketing strategies, and product/service improvement initiatives. As a supervisor, the incumbent must demonstrate the ability to lead a management team; organize a complex variety of simultaneous, multi-site tasks; apply EEO/affirmative action principles in making employment decisions; and communicate with a diverse group of national and international customers, both orally and in writing. The selectee for the position will be required to meet the mandatory DAWIA requirements for Level 3 of the Test and Evaluation Engineering career field within 18 months of entering this position. Selectee must be a member of the APC or become a member prior to assignment. Interested candidates should send an updated application (e.g., resume, OP-612 or SF-171) to Jan Meadows, Code 731000E. **Notes 2 and 4 apply.**



## NAVAL AIR WARFARE CENTER WEAPONS DIVISION

# ANNOUNCEMENTS



## ALL NAWCWPNS SITES GENERAL ANNOUNCEMENTS

### TSP RATES OF RETURN

TSP rates of return were

	C Fund %	F Fund %	G Fund%
Mar 1997	(4.13)	(1.11)	0.57
Last 12 months:	19.68	4.94	6.92
1992	7.70	7.20	7.23
1993	10.13	9.52	6.14
1994	1.33	(2.96)	7.22
1995	37.41	18.31	7.03
1996	22.85	3.66	6.76

Percentages in parentheses are negative.

TSP now has a web site with current interest rates and downloadable publications and forms. The address is "www.tsp.gov". The interest rate for loans approved in April is 7.125%. For funds to be disbursed in May, the complete package must reach the TSP Service Office by **May 6.**

**CHANGE OF ADDRESS:** If you have a new address, now is the time to report it to your payroll support office. That way, your address will be correct before your participation statement is mailed in May.

**Note:** John Powers at China Lake has retired. The Program Manager for TSP for both sites is now Peggy Topham, who can be reached at Point Mugu, 989-3323, and at China Lake, 939-2574.

### CALL FOR PRESENTATIONS

An Infrared Focal Plane Array (IRFPA) Information Exchange Meeting will be held at the Mich Lab Management Center on **13 May**. The primary purposes of the meeting are to enhance communication between IRFPA users and IRFPA developers and to discuss technical work in IRFPA and related areas. In particular, we hope to uncover future IRFPA needs and opportunities.

Presentations are solicited in the following infrared system areas: future IRFPA requirements, modeling and analysis of IRFPAs, applications that are considering or using IRFPAs, problem areas and limitations with current IRFPAs, potential needs for particular types of IRFPAs, IRFPA/detector development work, and related topics.

We intend to invite representatives from NAWCWD, NAWCAD, NRL, ONR, NRAD, NVEOL, ARPA, Phillips Lab, and NAVAIR. This is a government-only, no-contractor meeting. At least eight of the above organizations have participated in this meeting in previous years. This will be a "national" audience/participation meeting sponsored by ONR through NRL.

### CHAIRS NEEDED

Code 724 is looking for 10 to 15 matching chairs for a conference room.

If you have a set of chairs available, contact Sharon Backman at 939-4735, via QuickMail, or (via e-mail at sharon@sage.chinalake.navy.mil).

### SMOKERS' OUTPOSTS AVAILABLE

Code 721200D has purchased a quantity of Smokers' Outposts—you know, those funny looking greenish-gray things showing up in various designated smoking places around China Lake. (They look like they should have a cord or cable threaded through them.) These outposts help eliminate the clutter caused by using old coffee cans or metal ash trays, won't be blown over by the wind, hold a lot of cigarette butts (approximately 1,000), and are available at a cost of \$75 each for two or more. All you

### UNIVERSITY OF TENNESSEE MASTER'S DEGREE PROGRAM

The summer term for the University of Tennessee Space Institute (UTSI) master's degree program begins on **5 June**. If you are not enrolled in the program, now is the time to complete that process. A master of science degree in aviation systems is offered to individuals who have a bachelor's degree in engineering or science. If your bachelor's degree is in another field, you can be admitted to the program on a probationary status. Videotaped courses are available to students enrolled at China Lake and Point Mugu. The tapes can be viewed by students in the comfort of their homes.

Test pilot school graduates receive up to 12 hours credit, enabling a student to complete a master's degree by taking four to five courses and 6 thesis hours to complete degree programs. The following is the tentative summer schedule:

AS 510A	Special Topics: Introduction to Aircraft Structures. By: Dr. Solies
AS 510B	Special Topics: Meteorology. By: Dr. T. Dwayne McCay
AE 422	Aerodynamics. By: Dr. F. Collins
IE 405	Engineering Economy. By: Dr. Montadelli (UTK)
EM 536	Project Management. By: Dr. Claycombe (UTK)
EM 542	Design of Experiments. By: Dr. Hailey

For more information, text titles, and registration forms, contact the area representative at (760) 927-8874 or (760) 499-9101. You can also stop by our office in the Family Service Center, Office C, on Tuesdays and Wednesdays from 0900 to 1200.

Those individuals who wish to give presentations at this meeting should send an abstract or description of the presentation to:

Jerry Dodd  
NAWCWPNS (Code 472110D)  
1 Administration Circle  
China Lake, CA 93555-6100  
Fax: (760) 939-4625  
E-mail: Jerry\_Dodd@MLNGW.ChinaLake.Navy.Mil

For more information, contact Jerry Dodd at (760) 939-4559. Abstracts/descriptions are due by **22 April**.

### HIGH-PERFORMANCE COMPUTING SERVICES AVAILABLE

Airframe, Ordnance, and Propulsion Division announces the availability of the High-Performance Computing Systems. These two systems, known as Airpower and Airframe, are available to DOD and contractors. These systems are currently being used by NAWCWPNS for analysis and visualization and are run as a cost center. The Airpower system is a Silicon Graphics Power Challenge with 12-200-MHz R10000 processors,

3Gb of main memory, and 180Gb of disk storage. The Airframe system is a deskside Silicon Graphics Reality Engine 2 with four 200-MHz R4400 processors, 512 Mb of main memory, and 60 Gb of disk storage. The usage cost for these two systems is based only upon CPU time used. The cost is \$23 per CPU hour for Airframe and \$10.50 per CPU hour for Airpower. The Division also has various packages available for use. These include Patran3, SDRC Master Series CAD/CAM, USAERO, VSAERO, Abacus, MSC Aries/Nastran, Nevada, and Sinda. All of these packages, with the exception of SDRC and Patran3, can be used by any user for the cost of the amount of CPU time used. SDRC and Patran3 are charged at the rate of \$20 per hour that a license is checked out.

For further information or to get a user account for either Airframe or Airpower system, contact Dr. Frank Mansfield at (760) 939-2627 or e-mail at mansfiel@sagar06.chinalake.navy.mil or download the information packet ~pub/HPC\_Systems/Operations.ps by anonymous ftp from airframe.chinalake.navy.mil.

## CHINA LAKE

need is a JON and a means of transporting them.

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### FINANCIAL COUNSELING FOR EMPLOYEES

Each year, thousands of people are confronted with overwhelming money problems. It all starts when it's time to pay bills. You take out your checkbook, look at the balance, and add up what you owe. You realize you don't have enough money to pay all the bills, so you begin with the priorities. Who gets paid first? Who can wait? The fact is, all creditors want their money. If you can't do something about it, you're in trouble. Trouble can spill over into your work and family life. You receive late payment notices, letters from attorneys, and unpleasant telephone calls.

Your financial situation will be reviewed free of charge by a trained counselor.

Call the Employee Assistance Program Office at 939-3892 to arrange for an appointment.

### CHINA LAKE TOASTMASTERS COMMUNICATIONS AND LEADERSHIP PROGRAM

Toastmasters is an ongoing program covering public speaking, preparing and giving presentations, organizing and conducting meetings, parliamentary procedure, impromptu speaking, and much more.

Start at your convenience and proceed at your own pace, because this program is conducted in a supportive atmosphere.

The program is held at the Training Center, Room 114, every Thursday from 1830 to 2000.

For more information, call Carl Von Elm at 377-5768.



## RETIREMENTS AND FAREWELLS

### JUDY BAINBRIDGE-MICHELSSEN

Judy Bainbridge-Michelsen has left NAWCWPNS and the area to be with her "new" husband. A farewell luncheon will be held in her honor at Santa Fe Grill on **21 April**. A buffet style lunch will be served. The cost is \$8.95 per person. For presentations or reservations, contact call Debbie or Lula at 939-5551 or 939-5578.

### CHARYLENE PETERSON

Charylene Peterson, Code 720000D, is retiring. A retirement luncheon will be held in her honor at John's Pizza on **23 April** at 1100. For reservations, presentations, or gift donations, contact Tempest Schardt at 939-2373, Dot Leuallen at 939-3050, or Tony Vitale at 939-4677 at China Lake or Rosemarie Tipton at 989-8683 at Point Mugu by **17 April**.

### ROBERT (BOB) M. MCCARTEN

Robert (Bob) M. McCarten, Head, Energetic Materials Branch (473400D), is leaving China Lake after 30 years of service. An informal reception will be held in his honor at the CLPL cafeteria on **24 April** at 1500. Come help us bid him a fond farewell. For presentations or contributions, call Linda at 939-7322 or Cheryl at 939-7415.

### CAPT DOUG HENRY

Capt. Doug Henry is leaving China Lake to take a position in Washington D.C. A party will be held in his honor at the Carriage Inn on **25 April**. There will be a social hour, with a no-host bar, at 1800, followed by a buffet dinner at 1900. Presentations will begin at 2000. Dress is desert casual. Tickets are \$17 per person including tax and tip. To purchase tickets or to make a presentation, contact Ann Wagner or Dea Dettling at 939-2201 or via QuickMail (Admin. Bldg.). Tickets may also be purchased from Marci Malik at 939-6034 (Pacific Ranges, Room 112) or Jean Winkler at 939-5405 (Weapons Test Squadron, Hangar 3, Room 3201). Gift contributions may be given to the person selling tickets. Tickets must be purchased by **23 April** (no tickets sold at the door).

### JIMMIE FOUTCH

Jimmie Foutch, Management Information Branch, Code 529220D, is retiring after 12-1/2 years of service at NAWCWPNS. A retirement luncheon will be held in his honor at The Great Wall on **28 April** at 1115. A Chinese buffet is offered for \$5.50 per person. For reservations, presentations, and gift donations, contact Jan Blazek at 939-6809.

### SHARON IRVING

Sharon Irving, Code 45E000D, is retiring after 30 years of civil service. A retirement luncheon will be held in her honor at John's Pizza on **29 April** at 1130. Lunch choices include the buffet or from the menu. For reservations, presentations, and/or donations, contact JoAnn Walters at 446-9425 by **17 April**.

### SHARON BALLENGER

Sharon Ballenger, Code 210000D, is retiring. A farewell potluck luncheon will be held in her honor at Solar Park on **30 April** from 1100 to 1300. For more information or reservations, contact Derrick Hu at 939-9655.

### DAN GOSS

Dan Goss, Code 473000D, is retiring after over 33 years of federal service. A retirement dinner will be held in his honor at the Carriage Inn on **1 May**. Social hour (no-host bar) will begin at 1800, followed by a western barbeque dinner at 1900, and presentations at 2000. Tickets are \$16 per person. For tickets, gift donations, or presentations, contact Susan Haynes or Terri Weindel at 939-7200, or Barbara Sorges at 939-7486.

### JOHN R. (RANDY) PRAZAK

John R. (Randy) Prazak, Code 471110D, is retiring after 31 years of combined military and federal service. A retirement luncheon will be held in his honor at Texas Cattle Company on **1 May** at 1130. For reservations or presentations, contact Dawn Frazier at 939-3087 or Bill Lawson at 939-0179 by **28 April**.

### DALJIT (DAVE) SINGH

Daljit (Dave) Singh, Code 471300D, is leaving China Lake after 12 years of federal service. A farewell luncheon will be held in his honor at Santa Fe Grill on **1 May** at 1130. For reservations and/or presentations, contact April Morphis at 939-1368.

### TOM AND CATHIE DOYEL

Tom and Cathie Doyel are "punching out" after 67 years of combined federal service. A farewell party will be held in their honor at the Barefoot Bar on **1 May** at 1730. Come and enjoy a tri-tip barbeque and after-dinner music by the Burners. Co-workers and friends who wish to join in this casual gathering may bring a side dish or dessert to share. For more information or reservations, contact Judy Gill (471E00D) at 939-6164 or Laura Brice-Foster (457D00D) at 939-5640 by **25 April**.

### SAM AND CHRISTY MOORE

Sam and Christy Moore, Code 473320D, are leaving China Lake. A farewell luncheon will be held in their honor at La Pasta Grill on **6 May** at 1130. For reservations, presentations, or gift donations, contact Alison Homberger at 927-2826, Debbie Nance at 939-7618, or Lucinda Nichols at 939-7383 by **28 April**.

### LEE GILBERT

Lee Gilbert, Code 471000D, has been selected to be the Science Advisor for CONCUSNAVEUR in London, England. His 2-year assignment begins 1 June. A farewell party will be held in his honor at the Carriage Inn on **23 May**. A social hour and with hors d'oeuvres will begin at 1730. Presentations will begin at 1830. The cost is \$10 per person. For reservations or presentations, contact Pat Lloyd at 939-3500 or Lupe Vizcarra at 939-3608 by **19 May**.

## POINT MUGU

### SILICON GRAPHICS MAINTENANCE CONTRACT

For Point Mugu the IM Acquisition Support Branch, Code 721200D/E, has a contract for remedial and preventive maintenance of Silicon Graphics hardware and attached peripherals (can be third party). It is NOT A MANDATORY contract, but has been initiated to provide primary or alternative service support below GSA pricing.

Contractor: Telos  
Contract Number: N68936-97-D-0048  
Current Period of Performance: 1 Nov 1996-31 Oct 1999

Cost for PER-CALL Service: \$45 per hour plus parts/materials (with a 10% handling charge for parts)  
Response time: Six working hours after the call is retrieved from the Customer Support Center.

For service on this contract, you must contact the Customer Support Center at 989-8083 with the following information: model number, serial number, minor number, a brief description of the problem, contact/requester and code, alternate point of contact, phone number, job order number, and location of the equipment. Direct questions or problems to Martha Faron, Code 721200D, at (760) 939-3395 (DSN 437-3395).

### CIVILIAN EMPLOYEE ASSISTANCE PROGRAM (CEAP)

Getting help when you have a problem can be a problem. Do you know that there is someone you can talk to if you or someone in your family is having difficulties? There is no charge for CEAP services, which may be used before, during (on administrative leave), or

after working hours. Family members, self-referrals, and supervisory referrals are welcome. The program is located in Bldg. 211 (first floor). The CEAP has a separate exterior entrance on the Wood Road gate at the end of Bldg. 211. All interviews are confidential. For further information, call Paul Sanchez at 989-7708/8161, or call Colleen Smith at 989-3225.

### LABOR REPRESENTATIVE FOR BARGAINING UNIT EMPLOYEES

The exclusive labor representative for the bargaining unit employees of NAWCWPNS Point Mugu is the National Association of Government Employees (NAGE). The local R12-33 President is Rev. Louis W. Rogers, located in Trailer 10097; he can be reached at 989-1374 or by e-mail at NAG.R1233@AOL.com.

### No. 52-008-DWE97, Executive Office Manager, DG-303-4, Code 52000D, Pacific Ranges and Facilities Department—Area of Consideration: China Lake. Duty Station: China Lake. Opening Date: 4-17-97. Closing Date: 4-24-97. Selecting Official: A. K. Rogers, 939-3686. HRD Contact: Diana Eggleton, 939-8111.

**Permanent Change of Duty Station Authorized: No. Summary of Duties:** Incumbent provides office management and administrative support to the Head, Pacific Ranges and Facilities Department. Responsibilities include, but are not limited to, receiving calls and visitors; using composition skills to originate correspondence; reviewing all Department correspondence for format, grammar, and content; leading Department office managers across sites; maintaining calendars and timekeeping, training, personnel, and department records; preparing and tracking budget estimates and expenditures using knowledge of the NAWCWPNS financial system; buying supplies and services using the Government Bankcard; and arranging travel on short notice. Incumbent must be able to prioritize workload and deal effectively with all levels of management, personnel, and contractors and will be required to use initiative, discretion, and independent judgment in making decisions and managing the Department office. **Quality-Ranking Factors:** Skill in composing correspondence; operating and manipulating Macintosh and IBM computers and their corresponding software programs (e.g., Meetingmaker, Microsoft Word, Microsoft Excel, Windows, WordPerfect) processing travel orders and vouchers using the TOPS travel program; and applying the NIFMAS/DBOF financial system to budget tasks.

**No. 76-005-NR7, Administrative Officer, DA-341-1/2/3 (Multiple Vacancies), Comptroller/Financial Management Department, Code 760000D—Area of Consideration: China Lake. Duty Station: China Lake. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Official: Jacqueline M. Jones, DSN 437-4745. HRD Contact: Nancy Robinson, DSN 437-8106. Permanent Change of Duty Station Authorized: No. Summary of Duties:** This position is in the business office located within the Comptroller/Financial Management Department. Coordinates short- and long-range financial and administrative requirements of the department and plans for control and utilization of assigned resources in accordance with overall resource management guidelines. Coordinates/originates, as appropriate, responses to requests for data, information, and reports. Ensures that responses are accurate and represent the department's positions and needs. Plans, gathers, and analyzes information concerning budget and contract matters and tracks financial expenditures. Coordinates the utilization and maintenance of facility and equipment requirements. **Quality-Ranking Factor for DA-1:** Ability to implement administrative requirements and ability to communicate both orally and in writing. **Quality Ranking Factor for DA-2/3:** Ability to plan, gather, and analyze financial data; knowledge of NAWCWPNS budgeting process; ability to implement administrative requirements; and ability to communicate both orally and in writing. Full performance level is DA-3.

**Note 1 applies.**

**No. 82-084-JJ7, Resources Specialist, DA-301-1/2, Code 83C000D, Public Works Department, Production Business Management Office—Area of Consideration: China Lake. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Official: Diane Noyer, 939-4082. HRD Contact: S. Hauser, 939-2883. Permanent Change of Duty Station Authorized: No. Summary of Duties:** Incumbent supports the Chairman/Vice-Chairman in all efforts relating to the IRB (Investment Review Board) Screening Committee and IRB Board. Coordinates and administers the annual FES (Facilities, Equipment, and Space) process for China Lake and works in conjunction with counterpart at Point Mugu. Incumbent is responsible for maintaining and monitoring the MUR (Maintenance, Upkeep, and Repair) budget, and establishing CONS, DCONS and JONS. The incumbent prepares correspondence with regards to budget and facility matters. **Quality-Ranking Factor(s):** Ability to monitor and verify expenditures; ability to identify and research (using the Single Financial System) problem areas; ability to recommend corrective action to upper management; knowledge of NIFMAS accounting system; and experience in Macintosh-based software (e.g., Excel, Filemaker Pro, etc.). Full performance level is DA-3, but is not guaranteed.

**Note 1 applies.**

**No. 82-086-JJ7, Office Manager, DG-303-2, Code 00H000D, Marine Aviation Detachment, Executive Advisor for Marine Corps—Area of Consideration: China Lake. Opening Date: 4-17-97. Closing Date: 4-24-97. Selecting Official: LtCol Mark Takehara, 939-6603. HRD Contact: Jean Johanboeke, 939-8135. Permanent Change of Duty Station Authorized: No. Summary of Duties:** The incumbent functions as the Office Manager and personal assistant to the Executive Advisor for Marine Corps Programs. Incumbent performs telephone duties; makes travel arrangements; plans for conferences; maintains and coordinates supervisor's calendar; and reviews and edits standard correspondence, reports, and other documents ensuring proper grammar, spelling, punctuation, format, and presentation of information. Other duties include filing and receiving and processing incoming and outgoing mail in accordance with standard procedures and security regulations. Incumbent must be able to obtain and maintain a Secret clearance. **Quality-Ranking Factor(s):** Knowledge of and proficiency with the Macintosh computer, and ability to communicate orally and in writing. Full performance level of this position is DG-3 but is not guaranteed.

**Note 1 applies.**

**No. 82-088-JJ7, Office Manager, DG-303-2, Code 00H000D, Marine Aviation Detachment, Executive Advisor for Marine Corps—Area of Consideration: China Lake. Opening Date: 4-17-97. Closing Date: 4-24-97. Selecting Official: LtCol Mark Takehara, 939-6603. HRD Contact: Jean Johanboeke, 939-8135. Permanent Change of Duty Station Authorized: No. Summary of Duties:** The incumbent functions as the Office Manager and personal assistant to the Executive Advisor for Marine Corps Programs. Incumbent performs telephone duties; makes travel arrangements; plans for conferences; maintains and coordinates supervisor's calendar; and reviews and edits standard correspondence, reports, and other documents ensuring proper grammar, spelling, punctuation, format, and presentation of information. Other duties include filing and receiving and processing incoming and outgoing mail in accordance with standard procedures and security regulations. Incumbent must be able to obtain and maintain a Secret clearance. **Quality-Ranking Factor(s):** Knowledge of and proficiency with the Macintosh computer, and ability to communicate orally and in writing. Full performance level of this position is DG-3 but is not guaranteed.

**Note 1 applies.**

**No. 82-088-JJ7, Office Manager, DG-303-2, Code 00H000D, Marine Aviation Detachment, Executive Advisor for Marine Corps—Area of Consideration: China Lake. Opening Date: 4-17-97. Closing Date: 4-24-97. Selecting Official: LtCol Mark Takehara, 939-6603. HRD Contact: Jean Johanboeke, 939-8135. Permanent Change of Duty Station Authorized: No. Summary of Duties:** The incumbent functions as the Office Manager and personal assistant to the Executive Advisor for Marine Corps Programs. Incumbent performs telephone duties; makes travel arrangements; plans for conferences; maintains and coordinates supervisor's calendar; and reviews and edits standard correspondence, reports, and other documents ensuring proper grammar, spelling, punctuation, format, and presentation of information. Other duties include filing and receiving and processing incoming and outgoing mail in accordance with standard procedures and security regulations. Incumbent must be able to obtain and maintain a Secret clearance. **Quality-Ranking Factor(s):** Knowledge of and proficiency with the Macintosh computer, and ability to communicate orally and in writing. Full performance level of this position is DG-3 but is not guaranteed.

**Note 1 applies.**

### NAWCWPNS

**No. 76-004-NR7, Financial Management Specialist, DA-0501-1/2/3, Corporate Operations Competency, Comptroller/Financial Management Department, Code 76E000D—Area of Consideration: NAWCWPNS. Duty Station: China Lake. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Official: M. K. Dolan, DSN 351-7923. HRD Contact: Nancy Robinson, DSN 437-8106. Permanent Change of Duty Station Authorized: No. Summary of Duties:** This position is in the NIFMS Project Office, located within the Comptroller/Financial Management Department. The incumbent is responsible for the analysis of issues that occur within the NIFMS financial system. Analysis will include an explanation of rationale used and recommendations to management for correction of inconsistent/irregular conditions. Performs system reviews and analyses of accounting functional processes and database relationships with internal/external interfaces. Reviews and analyzes recommended changes and determines best course of action to ensure incorporation into established procedures. Uses information to help solve management problems through advice and collaboration. Researches policies and procedures and conducts evaluation of financial system. **Quality-Ranking Factor for DA-1:** Ability to express oneself both orally and in writing; ability to interpret rules and regulations, prioritize workload and meet deadlines; ability to deal effectively with a diverse customer base; and ability to use the Macintosh computer and business applications (Excel, Microsoft Word, etc.). **Quality-Ranking Factor for DA-2/3:** Knowledge of NIFMAS financial system for processing transactions as well as knowledge of financial regulations; ability to express oneself both orally and in writing; ability to interpret rules and regulations, prioritize workload and meet deadlines; ability to deal effectively with a diverse customer base; and ability to use the Macintosh computer and business applications (Excel, Microsoft Word, etc.). The full performance level of the position is DA-3.

**Note 1 applies.**

**No. 41-005-RF7, Supervisory Interdisciplinary (General Engineer/Physicist/Operations Research Analyst/Mathematician/Computer Scientist), DP-801/1310/1515/1520/1550-3, Systems Engineering Department, Systems Engineering Management Division, F/A-18 IPT, Code 411100D—Area of Consideration: NAWCWPNS. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Official: Barry Douglas, (760) 927-4500. HRD Contact: Robert Fitzpatrick, (760) 939-8117. Permanent Change of Duty Station Authorized: No. Summary of Duties:** As the F/A-18 Mission Systems Acquisition Leader, this position is responsible for all aspects of assigned acquisition and technical support for new or existing products in the acquisition phase for the F/A-18 model aircraft weapon system. The position receives programmatic direction from and is directly accountable to the F/A-18 IPT Chief Engineer for cost, schedule, and performance requirements associated with assigned acquisition products. IPT acquisition support products include new system capabilities (e.g., aircraft system upgrades), fire control/targeting system upgrades, and integration of updated electronic warfare systems as well as coordination with common avionics, trainers, and ground support engineering activities. Duties include planning, controlling, evaluating, and coordinating the technical efforts of diverse functional task teams, multidisciplinary product teams, and systems integration teams needed to satisfy customer requirements; developing plans and schedules with defined milestones and metrics for assigned acquisition products; cost, schedule, and performance monitoring; and implementing and tracking corrective actions as required. This position is the leader of a group of 12 to 15 product leads. As such, the leader is responsible for mentoring and training these individuals with regard to acquisition milestones and program management. A collateral duty for this position is to market the capabilities of the organization to obtain additional work. **Quality-Ranking Factors:** (1) Skill in engineering management of complex naval aircraft/weapon integration projects. (2) Skill in the management of research and development and test and evaluation programs and/or activities associated with naval aircraft. (3) Ability to organize, manage, and lead integrated product teams. (4) Ability to identify, present, defend, and manage the resources necessary to support the life-cycle support functions for the acquisition products. (5) Ability to meet the mandatory DAWIA requirements for training, experience, and education for Level III of the Systems Planning, Research Development, and Engineering Career Field within 18 months of entering the position. Incumbent must be able to obtain and maintain a Top Secret clearance. Full performance level for this position is DP-4.

**Notes 1, 3, and 4 apply.**

**No. 471-008-GB7, Interdisciplinary (Engineering/Electronics Technician), DP-802/856-03, Weapons/Targets Department, Weapons/Targets Integration Division, JSOW Project Office, Code 471J00D—Area of Consideration: NAWCWPNS. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Officials: Lloyd Smith, (760) 939-3518 and Tom Zulkoski, (760) 939-8546. HRD Contact: Kay Behrmann, (760) 939-2736. Permanent Change of Duty Station Authorized: No. Summary of Duties:** The incumbent will serve as leader of the JSOW/JDAM Mission Planning Product Team. JSOW and JDAM are developing a Common Mission Planning Module (CMPM) compatible with the Tactical Aircraft Mission Planning System (TAMPS) and the F/A-18 Mission Planning Module. Duties include definition and clarification of performance requirements; development of Interface Control Documents; coordination of mission-planning efforts with TAMPS core, aircraft platforms, and weapon MPMs; verification and validation plans and reports; MPM version updates/regression testing; new initiatives roadmap. The incumbent will work in a team environment with government and contractor personnel. Incumbent must be able to obtain and maintain a Secret clearance. Promotion potential: DP-3. Duty station is NAWCWPNS China Lake.

**Note 4 applies.**

**No. 471-009-GB7, Interdisciplinary (General/Mechanical/Electronics/Aerospace Engineer), DP-801/830/855/861-03, Weapons/Targets Department, Weapons/Targets Integration Division, JSOW Project Office, Code 471J00D—Area of Consideration: NAWCWPNS. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Officials: Lloyd Smith, (760) 939-3518 and Tom Zulkoski, (760) 939-8546. HRD Contact: Kay Behrmann, (760) 939-2736. Permanent Change of Duty Station Authorized: No. Summary of Duties:** The incumbent will serve as leader of the JSOW/JDAM Mission Planning Product Team. JSOW and JDAM are developing a Common Mission Planning Module (CMPM) compatible with the Tactical Aircraft Mission Planning System (TAMPS) and the F/A-18 Mission Planning Module. Duties include definition and clarification of performance requirements; development of Interface Control Documents; coordination of mission-planning efforts with TAMPS core, aircraft platforms, and weapon MPMs; verification and validation plans and reports; MPM version updates/regression testing; new initiatives roadmap. The incumbent will work in a team environment with government and contractor personnel. Incumbent must be able to obtain and maintain a Secret clearance. Promotion potential: DP-3. Duty station is NAWCWPNS China Lake. To apply, send current resume, SF-171, OF-612, etc., to Gail Bigelow (Code 731000D).

**Note 4 applies.**

**No. 82-082-JJ7, Office Manager, DG-303-2/3, Code 860000D, Morale, Welfare and Recreation Department—Area of Consideration: All appointable eligibles. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Official: M. Fennell, (760) 939-2010. HRD Contact: S. Hauser, (760) 939-2883. Permanent Change of Duty Station Authorized: No. Summary of Duties:** Incumbent provides administrative support to the Department performing technical review of documents, preparing travel orders, and preparing and reviewing timecards. Incumbent is the initial point of contact for the department office and must be able to handle the pressures of a "high-traffic" office. Considerable time will be spent receiving/directing phone calls, scheduling appointments, and greeting/directing customers. **Quality-Ranking Factor(s):** Ability to perform the full range of secretarial and administrative support duties including making travel arrangements, planning for conferences, and maintaining files; ability to plan, coordinate, and prioritize administrative tasks; ability to communicate orally and in writing; working knowledge of IBM and Macintosh programs (WordPerfect, Microsoft Word, Filemaker Pro, and Excel). Promotion potential to DG-3, but not guaranteed.

**Note 1 applies.**

**No. 82-083-JJ7, Recreation Assistant, DG-189-1/2, Code 860000D, Morale, Welfare and Recreation Department—Area of Consideration: All appointable eligibles. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Official: D. Lucia, (760) 939-8662. HRD Contact: S. Hauser, (760) 939-2883. Permanent Change of Duty Station Authorized: No. Summary of Duties:** Incumbent performs a variety of duties in support of providing social, cultural, and recreational activities at the Wreck Center. Incumbent assists with planning and scheduling special events and programs; ensures that interior and exterior areas are prepared for events as scheduled; provides information to patrons about programs, events, trips, and tours; patrols facility, verifying identification of patrons, maintaining order and preventing damage in the facility; issues equipment; receives funds; operates a cash register; prepares Daily Activity Reports; and is responsible for maintenance of recreational equipment and cleanliness of facility. Work schedule to include evenings and weekends. **Quality-Ranking Factor(s):** Ability to plan, coordinate, and prioritize tasks; ability to communicate orally and in writing; ability to work with all levels of personnel; working knowledge of Macintosh programs (Microsoft Word, Filemaker Pro, and Excel); and knowledge and experience with recreational programming. Promotion potential to DG-2, but not guaranteed.

**Note 1 applies.**

**No. 82-085-JJ7, Recreation Assistant, DG-189-1/2, Code 860000D, Morale, Welfare and Recreation Department, Youth Activities—Area of Consideration: All appointable eligibles. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Official: M. Carver, (760) 939-3097. HRD Contact: S. Hauser, 939-2883. Permanent Change of Duty Station Authorized: No. Summary of Duties:** Incumbent performs a variety of duties in support of providing social and recreational activities at Youth Activities; provides information to patrons about youth programs, special events and trips; prepares

updates/regression testing; and new initiatives roadmap. The incumbent will work in a team environment with government and contractor personnel. **Quality-Ranking Factors:** (1) Knowledge of TAMPS, F/A-18, and weapon MPM design; (2) ability to work in a team environment; (3) self-motivated for leadership of a technical effort; (4) ability to interface with and make presentations to project offices, sponsors, and contractor personnel; (5) ability to meet the DAWIA mandatory training, experience, and the education for Level III requirements for the Systems Planning Research Development and Engineering Acquisition Career Field within 18 months of entering position. Incumbent must be able to obtain and maintain a Secret clearance. Promotion potential: DP-3. Duty station is NAWCWPNS China Lake.

**Note 4 applies.**

**No. 82-085-JJ7, Recreation Assistant, DG-189-1/2, Code 860000D, Morale, Welfare and Recreation Department, Youth Activities—Area of Consideration: All appointable eligibles. Opening Date: 4-17-97. Closing Date: 5-1-97. Selecting Official: M. Carver, (760) 939-3097. HRD Contact: S. Hauser, 939-2883. Permanent Change of Duty Station Authorized: No. Summary of Duties:** Incumbent performs a variety of duties in support of providing social and recreational activities at Youth Activities; provides information to patrons about youth programs, special events and trips; prepares

updates/regression testing; and new initiatives roadmap. The incumbent will work in a team environment with government and contractor personnel. **Quality-Ranking Factors:** (1) Knowledge of TAMPS, F/A-18, and weapon MPM design; (2) ability to work in a team environment; (3) self-motivated for leadership of a technical effort; (4) ability to interface with and make presentations to project offices, sponsors, and contractor personnel; (5) ability to meet the DAWIA mandatory training, experience, and the education for Level III requirements for the Systems Planning Research Development and Engineering Acquisition Career Field within 18 months of entering position. Incumbent must be able to obtain and maintain a Secret clearance. Promotion potential: DP-3. Duty station is NAWCWPNS China Lake.

**Note 4 applies.**

The NAWCWPNS Announcements and Human Resources Department Information are published by the PAO on the Thursday before payday. Copies of the insert are provided to the Albuquerque and White Sands sites. Personnel at China Lake, Albuquerque, and White Sands may send items for the Announcements to Code 750000D, Attn: Barry McDonald, FAX 939-2796 (DSN 437-2796) or via QuickMail (CL NAWC WIDE NS name server in the CL MAINSITE zone). Personnel at Point Mugu may send items for the Announcements Section to Code 750000E, Attn: Pat Hollenbaugh, FAX 989-1785 (DSN 351-1785). Items included in the Human Resources Department Information Section are provided by the Civilian Personnel Division, Employee Development Division of the Human Resources Department. **The deadline for all submissions is Wednesday at 1700**, 8 working days prior to the alternate Thursday publication date. **Note:** All inputs MUST include the sponsor's code and phone number. Any questions or issues pertaining to this insert may be addressed to Ron Rogers at 989-3997 (DSN 351-3997), FAX 989-9846 (DSN 351-9846).



## CIVILIAN PERSONNEL DIVISION NEWS

## APPLICATION PROCEDURES

Applications must be received at the Human Resources Department (HRD) Reception Desk, at any site, no later than 5:00 p.m. on the closing date of the announcement. Applications will be accepted for each vacancy. LATE APPLICATIONS WILL NOT BE ACCEPTED UNLESS ON APPROVED LEAVE, TDY, ETC., THE ENTIRE TIME THE ANNOUNCEMENT IS OPEN. Please make a copy of your application for your own retention before you submit it. (Only applications with original signature and date will be accepted.)

Submit a copy of your latest narrative performance assessment/appraisal of record with any application filed against a vacancy announcement. If the assessment/appraisal does not clearly state the tasks/duties performed, attach a copy of your performance plan.

A supplemental narrative addressing your qualifications to each quality-ranking factor (QRF) is highly recommended. This information will be used to identify highly qualified candidates to be referred for selection. Additional information will not be accepted after the closing date of the announcement.

When multiple-grade levels are advertised, applicants will only be rated for the lowest grade level indicated on their application that will be acceptable and higher grade levels for which they qualify.

Applicants may review the X-118 Qualification Standards at the China Lake Technical Library; at the Point Mugu Directorate/Department Resources Offices; or at any NAWCWPNS Human Resources Department Office.

## AREA OF CONSIDERATION INFORMATION

Applications will be accepted from current appointable employees at NAWCWPNS and, unless otherwise noted in the specific announcement, the tenant commands with approved cross-service agreements. These include employees with career or career-conditional appointments; temporary employees with Veterans Readjustment Act (VRA) eligibility or reinstatement eligibility; handicapped employees serving on an excepted Schedule (A) appointment; VRA employees; and temporary employees within reach on an OPM certificate (or equivalent). If a tentative selection is made from tenant, VRA, or temporary applicants, the selection process cannot be completed until a waiver to the hiring freeze is approved by COMNAVAIR. Appointable persons include those with reinstatement eligibility, those within reach on an OPM certificate, and those eligible for noncompetitive permanent appointment (e.g., VRA, handicapped).

## NOTES

- If selection is made below the full-performance level, the selectee may be promoted to the next higher level(s) without further competition provided the following conditions are met: (1) OPM requirements are met, (2) management determines the incumbent is performing at the higher grade level, and (3) there is work at the higher grade level to justify the promotion. **PROMOTION IS NOT GUARANTEED.**
  - First-time supervisors and managers are required to serve a probationary period of 12 months. Those who do not satisfactorily complete the probationary period will be returned to positions of no lower grade and pay than their former position.
  - Drug Testing Designated Position.** An applicant tentatively selected for this position will be required to submit to urinalysis for illegal use of drugs prior to a final selection. (Exception: If the position change is for 30 days or less or the applicant currently occupies a DOD testing designated position (TDP), no applicant test is authorized.) The selection is contingent upon a negative drug test result and, thereafter, the selectee will be subject to drug testing on a random basis as the incumbent of a TDP. Further, all DON employees may be subject to drug testing under certain circumstances such as reasonable suspicion and after an accident or unsafe practice. All individuals will have the opportunity to submit medical documentation that may support the legitimate use of a specific drug to a Medical Review Officer. An applicant's test result will be provided to the selecting official and serving Human Resources Office before a final selection is made. A verified positive drug test result of a current DON employee will also be provided to the employing activity/contract.
  - This is a DAWIA (Defense Acquisition Workforce Improvement Act) Designated Position. PL 101-510 requires that all applications for DAWIA designated positions which are advertised be evaluated utilizing a quality ranking factor (QRF) to determine the best qualified candidates. A supplemental narrative addressing the DAWIA QRF is highly recommended. Applicants wishing more information on the DAWIA mandatory requirements and/or definitions of DAWIA career fields may contact the DAWIA representative within their Competency.
- NOTE:** Applicants selected for Critical Acquisition Positions will be required to sign a Tenure Agreement to remain in that position for at least a 3-year period.
- Merit Promotion Positions for Point Mugu Site Vacancies.** Applicants must meet all eligibility requirements (including, when applicable, time-in-grade and qualification requirements) within 30 calendar days of the closing date of the announcement.

## GENERAL INFORMATION

The Naval Air Warfare Center Weapons Division is an equal opportunity employer. Selection will be made on a fully equal basis without discrimination. Selection will not be made on non-merit reasons such as race, color, religion, sex, national origin, age, politics, marital status, physical handicap, or membership or non-membership in an employee organization.

All vacancies are subject to restrictions imposed by the DOD Priority Placement Program (PPP). Incumbent must hold or be able to obtain the appropriate security clearance.

As of 1 August 1992, mandatory direct deposit/electronic funds transfer (DD/EFT) became the standard payment within DOD for pay of certain civilian personnel. Newly hired civilian personnel and employees (not currently enrolled) who are selected for competitive promotion, reassignment, transfer, etc., will be required to enroll in DD/EFT within 60 days. An asterisk (\*) preceding an announcement number indicates a modification has been made to the vacancy advertisement; please note indicated changes.

## MERIT PROMOTION

## CHINA LAKE ONLY

**No. 41-003-RF7, Senior Office Manager, DG-303-3, Systems Engineering Department, Systems Engineering Management Division, Branch 4, AV-8B IPT, Code 411400D—Area of Consideration:** China Lake. **Opening Date:** 4-17-97. **Closing Date:** 4-25-97. **Selecting Official:** G. Brad Royer, 939-5700. **HRD Contact:** Robert Fitzpatrick, 939-8117. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent provides a wide scope of financial and administrative support to AV-8B management, project engineers, and task team Leaders. Responsibilities include, but are not limited to, assisting in tracking project funds; tracking personnel resources; updating the AV-8B Financial Summary Report; preparing Work Unit Assignments; preparing project spending plans and status reports; maintaining the Project Resource Agreements (PRAs) database; preparing NIFMAS funding reports; setting up DCON/JONS in the Single Financial System; preparing outgoing funding documents in FOSTR; administering the Integrated Project Management System (IPMS) timekeeping database; interacting with all levels of management on and off-Center, contractors, and Italian and Spanish allies; preparing and tracking McDonnell-Douglas Aerospace Technical Direction Letter's and associated funding; preparing requisitions; and authorizing travel orders and timecards. **Selection Factors:** Knowledge of Macintosh computer, related databases, IPMS, PRAs, and software applications (cc:Mail, Quick Mail, 4th Dimension, DRIPS, NIFMAS, Filemaker Pro, Excel, Powerpoint, MacSchedule, Microsoft Word, and Versaterm). Skill in applying NAWCWPNS financial and administrative policies and procedures. **Quality-Ranking Factors:** Ability to administer the IPMS time-card database. Ability to deal effectively with personnel at all levels of the NAVAIR TEAM. Knowledge of current financial practices, policies, procedures, and organizational trends (IPT/CAO). Incumbent must be able to obtain and maintain a Secret clearance. The full performance level of this position is DG-3.

**No. 41-004-RF7, Senior Office Manager, DG-303-3, Systems Engineering Management Division, Systems Engineering Management Division Branch 4, AV-8B IPT, Code 411400D—Area of Consideration:** China Lake. **Opening Date:** 4-17-97. **Closing**

**Date:** 4-25-97. **Selecting Official:** G. Brad Royer, 939-5700 **HRD Contact:** Robert Fitzpatrick, 939-8117 **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent provides a full range of office management and administrative support to the AV-8B IPT Leader, Deputy IPT Leader, Chief Engineer. Responsibilities include, but are not limited to, receiving calls and visitors; using composition skills to originate and prepare correspondence and reports; interacting with all levels of management on and off-Center, contractors, and Italian and Spanish allies; preparing travel orders and vouchers for continental and foreign travel; preparing visit requests and visitor badge requests; preparing weekly synopsis of employee planned activities (travel, leave, and scheduled events); maintaining AV-8B Integrated Project Management System (IPMS) database for timekeeping; planning and coordinating meetings and conferences; maintaining and coordinating supervisor's calendar and conference room calendars; tracking employee training; assisting with office space management; maintaining office supplies for IPT Office; coordinating office equipment and maintenance; preparing technical presentation material; providing direction and guidance to all IPT office managers. **Selection Factors:** Skill in operating Macintosh computers and software applications (e.g. Excel, Microsoft Word, PowerPoint, Meeting Maker, and FileMaker Pro). Knowledge of personal security practices and procedures. **Quality-Ranking Factors:** Ability to deal effectively with personnel at all levels of the NAVAIR TEAM and with Italian and Spanish allies. Knowledge of Marine protocol and insignia. Skill in applying administrative policies and procedures such as timekeeping, travel, training, and correspondence. Ability to train clerical personnel and organize workload of clerical staff and processes. Knowledge of the AV-8B IPMS timekeeping database. Incumbent must be able to obtain and maintain a Secret clearance. The full performance level of this position is DG-3.

**No. 41-007-RF7, Senior Office Manager, DG-303-3, Systems Engineering Management Division, Branch 1, F/A-18 IPT, Code 411100D—Area of Consideration:** China Lake. **Opening Date:** 4-17-97. **Closing Date:** 4-24-97. **Selecting Official:** Darrell Maxwell, 939-5800. **HRD Contact:** Robert Fitzpatrick, 939-8117. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent provides a wide scope of financial and administrative support to F/A-18 management, project engineers, and task team leaders. Responsibilities include, but are not limited to, assisting in

tracking project funds; preparing budgets and doing financial analysis; tracking personnel resources; preparing project spending plans and status reports; preparing NIFMAS funding reports; assist setting up DCON/JONS in the Single Financial System; preparing outgoing fund documents in FOSTR; administering system administration and training of personnel in the use of 4D Database and Now Up To Date and Contact Software program; interacting with all levels of management on and off-Center, contractors; preparing requisitions. **Selection Factors:** (1) Knowledge of Macintosh computer, related databases, and software applications (cc:Mail, Quick Mail, 4th Dimension, Now Up to Date & Contact, NIFMAS, Filemaker Pro, Excel, Powerpoint, Microsoft Word, and Versaterm). (2) Skill in applying NAWCWPNS financial and administrative policies and procedures. **Quality-Ranking Factors:** (1) Ability to administer and train on 4D Data Base and Now Up to Date and Contact Software; (2) Ability to deal effectively with personnel at all levels of the NAVAIR TEAM; (3) Knowledge of current financial practices, policies, and procedures, and organizational trends (IPT/CAO). Incumbent must be able to obtain and maintain a Secret clearance. The full performance level of this position is DG-3.

**No. 4B-002-RP7, Office Manager, DG-303-2, Research and Technology Group, Advanced Optics and Microwave Section, Code 4B1100D, and Lasers & Optics Section, Code 4B1200D—Area of Consideration:** China Lake. **Opening Date:** 4-17-97. **Closing Date:** 5-1-97. **Selecting Official:** Donald Decker 939-3827. **HRD Contact:** Julie Rodriguez. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent will serve as the Officer Manager in support of two sections within the Physics Branch, Research and Technology Group. Responsibilities include receiving telephone calls and visitors; arranging meetings; coordinating official visits; preparing and maintaining Section correspondence; preparing travel orders, travel vouchers, timesheets, and training files electronically; and providing general personnel support and resource assistance as required. Depending upon emerging financial and procurement tracking requirements of the Branch, additional duties may be added to this position in the future. **Quality-Ranking Factors:** (1) Knowledge of Macintosh computers and required software to include Powerpoint, Word, Excel, and Filemaker Pro; (2) Ability to plan, coordinate, and prioritize tasks; (3) Knowledge of NAWCWPNS Management Information Systems, correspondence, policies, and procedures. Incumbent must be able to obtain and maintain a Secret clearance. The full performance level of this position is DG-2.

**No. 52-006-DWE-97, Electrician, WG-2805-11, Code 521510D, Pacific Ranges and Facilities Department, Test Operations Division, Surface Operations Branch, Land Range Ground Operations Section—Area of Consideration:** China Lake. **Opening Date:** 4-17-97. **Closing Date:** 5-1-97. **Selecting Official:** Ken Seaman, 939-6815. **HRD Contact:** Diana Eggleton, 939-8111. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent will plan, construct, install, test, maintain, troubleshoot, and modify electrical/electronic control and power systems associated with ground operations. Typical systems include power source, ignition devices, sequence timers, and communications and data-gathering equipment. The systems themselves are often one of a kind, especially constructed for specific projects, and complicated because of incompatible components and insufficient power to operate properly. The incumbent receives assignments with a minimum of instructions and is expected to complete assignments independently. Incumbent will be working with explosives. Must be able to obtain Ordnance Handler Certification. **Quality-Ranking Factors:** (1) Ability to do the work of the position without more than normal supervision. (2) Use of electrical test equipment. (3) Knowledge of electrical theory. (4) Ability to read and interpret electrical drawings. (5) Ability to use hand and power tools used in the trade. (6) Safety and dexterity. (7) Technical practices. A supplemental is required and can be obtained in Room 100 of the Human Resources Department, 505 Blandy, China Lake, CA. The full performance level of this position is WG-11.

**No. 52-007-DWE97, Senior Office Manager, DG-303-3, Resources Office, Pacific Ranges and Facilities Department, Test and Evaluation Competency, Code 52D000D, Area of Consideration:** China Lake. **Opening Date:** 4-17-97. **Closing Date:** 5-1-97. **Selecting Official:** Steve LaBrie, 939-3731. **HRD Contact:** Diana Eggleton, 939-8111. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent reports to the Head of Staff at the China Lake site and performs a range of administrative duties, with particular emphasis on personnel issues. The incumbent is responsible for initiating and documenting routine personnel actions, planning and coordinating the department's annual Personnel Review Boards, and assisting in responses to various personnel related data calls. Frequently communicates with the Pacific Ranges and Facilities Department Resources Office personnel at the Point Mugu site and is required to ensure that common approaches, policies, and procedures are developed and implemented. Maintains continuous contact with Human Resource Department contacts to coordinate personnel actions and requests. The incumbent is also the department coordinator for Plant Account/Inventory and serves as the backup Secret Control Officer (SCO) and Safety Officer. **Quality-Ranking Factor:** Ability to coordinate and execute departmental personnel actions and projects through interpreting and applying Competency and NAWCWPNS policies and by manipulating Excel, Filemaker Pro, Microsoft Word, and Meeting Maker Computer Programs.



## HUMAN RESOURCES DEPARTMENT INFORMATION

The Human Resources Department (HRD) Information Section is intended to provide timely HRD information to NAWCWPNS personnel. Any questions or issues pertaining to this section may be addressed to Ron Rogers, Code 733000E, (805) 989-3997 (DSN 351-3997), FAX 989-9846 (DSN 351-9846).

## LABOR/EMPLOYEE RELATIONS TEAM NEWS

## LEAVE DONORS NEEDED

The employees listed below have been approved as leave recipients under the Leave Transfer Program. These employees have exhausted annual and sick leave because of personal or medical emergencies and anticipate being in a leave-without-pay status for at least 24 hours. Employees who wish to help a leave recipient may donate annual leave to the employee by submitting a completed OP Form 630-A (Request to Donate Annual Leave to Recipient) and a copy of current Leave and Earnings Statement. OP-Form 630-A is available at Administration Offices at Point Mugu and Talmart at China Lake. Completed forms for Point Mugu may be mailed to Estela Padilla, Code 731000E; forms for China Lake may be mailed to Leora Fields, Code 731000D. For additional information, call Estela Padilla at (805) 989-3222, or Leora Fields at (760) 939-2018.

## CHINA LAKE

**Nathan "Stu" Hannah, Code 834400D**  
Stu is caring for his wife, who has end-stage kidney failure and diabetes.

**Jenny Hazlewood, Code 474500D**  
Jenny has complications caused by pregnancy.

**Kelly Newton, Code 460000D**  
Kelly has complications caused by her pregnancy.

**Darrell Ferguson, Code 462000D**  
Darrell is recovering from the amputation of his right leg.

**Donna Charles, Code 84D000D**  
Donna is recovering from a medical problem.

**Stan Wertenberger, Code 528300D**  
Stan is recovering from extensive back surgery.

**Lori Watts, Code 543300D**  
Lori is recovering from reconstructive foot surgery.

**Barbara Hurd, Code 523100D**  
Barbara suffers from bilateral upper-extremity tendinitis.

**David Cowan, Code 473420D**  
David has a medical problem.

**Sandy Watson, Code 335000D**  
Sandy is caring for her husband, who is waiting for a kidney and pancreas transplant.

**Al Dorfman, Code 841300D**  
Al is recovering from back surgery.

**Nancy Rodgick, Code 725100D**  
Nancy is recovering from a medical problem.

## POINT MUGU

**Juanita Grant, Code 236000E**  
Juanita is recuperating from knee replacement surgery.

**William Yates, Code 471430E**  
William is recovering from pneumonia.

**Janet Alvarez, Code 8F0000E**  
Janet is under a doctor's care.

**Sally Rodriguez, Code 56CD00E**  
Sally is under a doctor's care.

**Michael T. Dang, Code 522K00E**  
Michael is under a doctor's care.

**Anita Retome, Code 455330E**  
Anita is caring for her daughter, who is under a doctor's care.

**Vivian Almaguer, Code 836100E**  
Vivian is on maternity leave.

**Marion O'Brian, Code 4KL500E**  
Marion is caring for her daughter, who had a lung transplant.

**Norma Lavin, Code 52911EE**  
Norma is under a doctor's care.

**Juanita Faye Blunt-Ingersoll, Code 529110E**  
Juanita has been diagnosed with lymphoma.

**Lillian Cabello, Code 731000E**  
Lillian has medical problems.

## EMPLOYEE DEVELOPMENT DIVISION NEWS

## ON-BOARD TRAINING COURSE SCHEDULE

Enrollments are accepted via On-Board Training Requests (NAWCWPNS 12410/2), call-ins, and QuickMail; however, check individual announcements for enrollment procedures.

## MISSILE GUIDANCE AND CONTROL (32 hrs.)

**21-24 April; Monday-Thursday, 0800-1630; Training Center, China Lake. By: Evolving Technology**

This course provides an overview of the design of tactical guided missiles with the emphasis on modern seeker technology. The course covers design considerations of the autopilots, missile guidance equations, and seeker and track loops, as well as the missile development process. The course addresses the application of modern control systems theory to the problem of accurately controlling and guiding a missile to its target. The course concludes with a presentation of the missile guidance system development process, which covers elements of how these systems come together, from their initial design to their first flight and test plans.

To enroll at China Lake, submit an On-Board Training Request (NAWCWPNS 12410/2) to Dorothy Wiederhold, Code 733000D. For further information, call (760) 939-2359 (DSN 437-2359).

## DEVELOPER/2000 FOUNDATION (8 hrs.)

**21 April; Monday, 0800-1600; Training Center, Point Mugu. 28 April; Monday, 0800-1600; Training Center, China Lake. By: Oracle Corp.**

**Intended Audience:** Application developers, database administrators, designers/developers, and technical support professionals.

**Prerequisites:** Introduction to Oracle: SQL and PL/SQL Using Procedure Builder, Doc. Code 10101.

This course will introduce participants to Developer/2000 technology and the core set of features common to each of the Developer/2000 components. Participants will learn to navigate through the Developer/2000 interface using features such as the Object Navigator and Virtual Graphics System (VGS), which includes the Layout Editor and Menu options. This course describes common elements of the virtual product, such as the PL/SQL Development Environment. Topics will include Identify Common Developer/2000 Components, Navigate Through Developer/2000 Main Menus and Design Facilities, Control Developer/2000 Graphical Features with the Layout Editor, Customize the Developer/2000 Working Environment, and Create PL/SQL Program Units as Part of the Developer/2000 Applications.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Felicia Nickelberry, Code 733000E. For further information, call 989-3980 (DSN 351-3980).

To enroll at China Lake, submit an On-Board Training Request (NAWCWPNS 12410/2) to Sue Murray, Code 733000D. For further information, call (760) 939-2349 (DSN 437-2349).

## UNIX: INTRODUCTION (40 hrs.)

**21-25 April; Monday-Friday, 0800-1600; 760 Las Posas Rd., Suite A-4, Camarillo, CA. By: Technical Research Associates**

**Prerequisites:** None, although familiarity with concepts of programming would be helpful.

This course will be a hands-on introduction to UNIX. The course will begin with an introduction to operating systems and will cover the following:

Editor; hierarchical file system; running programs; displaying files; file names and access permissions; I/O redirection; pipes; pipelines; filters; software fabrication; UNIX files; file names and links; device special files; directory files; directory commands: cd, mkdir, rmdir; comparing files; creating/removing files; metacharacters (wild cards); shell variables; shell scripts; asynchronous process creation and control; shell programming loops; variables; test; others; UNIX language support; UNIX systems administration; and UNIX security issues. The student will be expected to complete several small- to medium-length programming lab assignments that will reemphasize those topics discussed in the lecture.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Felicia Nickelberry, Code 733000E. For further information, call 989-3980 (DSN 351-3980).

## WORD 7.0 FOR WINDOWS, INTRODUCTION (16 hrs.)

**29-30 April; Tuesday-Wednesday, 0800-1600; Training Center, China Lake.**

**Prerequisite:** Students must already be able to use the Windows 95 operating system.

This class is designed for people who have little or no experience using Word 7.0 for Windows 95.

To enroll, contact Annette Hernandez via QuickMail with name, code, social security number, and phone number. For more information, call 939-0870 (DSN 437-0870).

## PRERETIREMENT SEMINAR (16 hrs.)

**29-30 April; Tuesday-Wednesday, 0800-1600; TBD, China Lake. 7-8 May; Wednesday-Thursday, 0800-1600; Training Center, Point Mugu.**

This seminar is for employees within 5 years of retirement. The seminar covers the Civil Service Retirement System (CSRS) and Federal Employees Retirement Systems (FERS). In addition, related topics (e.g., federal employees health and life insurance programs, Thrift Savings Plan) will be discussed.

The seminar is intended to help employees understand the retirement system, to decide on the kind of planning that is right for them, and to provide the information necessary to make informed decisions associated with a successful retirement.

To enroll at China Lake, contact Sue Murray at (760) 939-2349 (DSN 437-2349). Leave your name, code, and phone number. To enroll at Point Mugu, submit an On-Board Training Request (NAWCWPNS 12410/2) to Felicia Nickelberry, Code 733000E. For further information, call 989-3980 (DSN 351-3980).

To enroll at China Lake, submit an On-Board Training Request (NAWCWPNS 12410/2) to Sue Murray, Code 733000D. For further information, call (760) 939-2349 (DSN 437-2349).

## CAREER PLANNING WORKSHOP (16 hrs.)

**30 April-1 May; Wednesday-Thursday, 0800-1600; Training Center, Point Mugu. By: Suzanne Hard**

This workshop introduces the participants to key job change and enrichment strategies. Participants will identify personal interests in strengths and analyze their current jobs and career aspirations. With this information, the participant will develop a career action plan and examine

the latest job search strategies and techniques (e.g., personal marketing networking, job market search, and interviewing skills).

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Felicia Nickelberry, Code 733000E. For further information, call 989-3980 (DSN 351-3980).

## FACILITATION SKILLS (8 hrs.)

**1 May; Thursday, 0800-1600; Bldg. 366, Room 100, Point Mugu. By: Jerry L. Burk**

This 1-day workshop is designed to provide strong participant involvement and practice the application of facilitation skills. Participants will learn to understand facilitation as a change process, to develop skills that promote more effective facilitation and to define the skills required in facilitation for establishing a leadership and motivational climate. The course will address reasons why facilitations now more complicated than any time in the past and help participants to learn to work with diverse groups.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Marcy Acosta, Code 733000E. For further information, call 989-3992 (DSN 351-3992).

## SUPERVISING EMPLOYEE PERFORMANCE (8 hrs.)

**5 May; Monday, 0800-1600; Training Center, China Lake. By: Lorna Riley**

Learn how to motivate every employee in your organization to achieve his/her maximum potential. This course will show you how to increase productivity through proper feedback and effective reinforcement and build a work environment that encourages people to feel good about themselves while bringing out their best.

To enroll or to obtain further information, call Lori Ryser-Warrick at 939-2686 (DSN 437-2686).

## UNIX SYSTEMS ADMINISTRATION AND ADVANCED UNIX (40 hrs.)

**5-9 May; Monday-Friday, 0800-1600; 760 Las Posas Road, Suite A-4, Camarillo, CA. By: Technical Research Associates**

This course provides an introduction to UNIX system administration functions and advanced UNIX features, such as system daemons and the window system. The course covers day-to-day system administration functions, such as setting up and maintaining user accounts, configuration and running of common UNIX services (daemons), providing user accounts, providing and controlling internet services (ftp, web services, telnet), the UNIX file system, and updating the installation system software. Hands-on system administration and daemon configuration exercises on a running UNIX system are provided. The course will contain, but is not limited to, the following topics: Basic System Administration Responsibilities, X Windows, System Programming Utilities, Administration of System Services (daemons), and Internet Services (daemons). The student is expected to complete a number of hands-on exercises in class that reemphasize the class topics.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Felicia Nickelberry, Code 733000E. For further information, call 989-3980 (DSN 351-3980).



**TECHNICAL WRITING (32 hrs.)**

**6-9 May; Tuesday-Friday, 0800-1600; Training Center, China Lake.**  
By: **Communications Skills Company, Inc.**

Note: This course is designed for technical personnel in general and is required for personnel entering the SEDP in FY96 and Junior Professional Program personnel hired in FY97. This course will be offered at Point Mugu in September.

This seminar will provide students with the skills and confidence to prepare technical writing. Through examples and exercises taken from actual writing situations that Navy engineers face, participants learn techniques for analyzing, interpreting, and translating data to produce clear, readable letters and reports.

To enroll at China Lake, submit an On-Board Training Request (NAWCWPNS 12410/2) to Dorothy Wiederhold, Code 733000D. For further information, call (760) 939-2359 (DSN 437-2359).

**MATERIALS CERAMICS (8 hrs.)**

(Note: date change)

**8 May; Tuesday, 0800-1600; Training Center, China Lake.** By: **Dr. Chol**

The class lecture will discuss the relationship between the structure and properties of ceramic engineering materials, characteristics of ceramics, morphology, mechanical properties, processing, applications of ceramics, electromagnetic behavior, thermal properties, and corrosion.

To enroll at China Lake, submit an On-Board Training Request (NAWCWPNS 12410/2) to Dorothy Wiederhold, Code 733000D. For further information, call (760) 939-2359 (DSN 437-2359).

**INVESTING IN THRIFT SAVINGS PLAN (8 hrs.)**

**9 May; Friday, 0800-1600; Training Center, Point Mugu.**

By: **Charles Green, Consultant**

This 1-day course is for all federal employees who are eligible to participate in the Thrift Savings Plan. The information will be especially important to anyone who hopes to retire someday. Course participants will be able to understand the operation of the TSP; recognize the importance of the TSP contributions; make appropriate decisions regarding fund allocations; determine how much, when, and where to save for retirement; learn more effective money management techniques; find relatively "painless" ways to save and invest; and develop the skills required to formulate a lifetime financial plan.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Marcy Acosta, Code 733000E. For further information, call 989-3992 (DSN 351-3992).

**HIGH-PERFORMANCE MANAGEMENT-POSITIVE USES OF STRESS (8 hrs.)**

**9 May; Friday, 0730-1630; Training Center, China Lake.** By: **Bob Huey, Consultant**

This course teaches simple and effective techniques to be empowered by stress instead of overpowered by it. You will learn to identify your key stressors induced by events and people. You will also learn to better tolerate the problems induced by events and people. Techniques will be learned and practiced to discover solutions to these problems. We will review stamina techniques and discuss ways for restful sleep, relaxation, exercise, diet, and freedom from harmful drugs.

To enroll, call Pat Oliver at 939-2468 (DSN 437-2468).

**EFFECTIVE TECHNICAL PRESENTATIONS/BRIEFINGS (32 hrs.)**

**12-15 May; Monday-Thursday, 0800-1600; Training Center, China Lake.** By: **Communications Skills Company, Inc.**

Note: This course is designed for technical personnel in general and is required for personnel entering the SEDP in FY96 and Junior Professional Program personnel hired in FY97. This course will be offered at Point Mugu in September.

This course is designed to prepare the participants to meet the special demands of the formal professional presentation or briefing during which a presenter, usually in a large conference room or auditorium setting, addresses a group of fellow professionals to give them detailed information about a problem, proposal, plan, or research project.

To enroll at China Lake, submit an On-Board Training Request (NAWCWPNS 12410/2) to Dorothy Wiederhold, Code 733000D. For further information, call (760) 939-2359 (DSN 437-2359).

**CREATIVE THINKING AND PROBLEM SOLVING (16 hrs.)**

**12-13 May; Monday-Tuesday, 0800-1600; Training Center, China Lake.** By: **Dr. Suzanne Hard**

Note: This course meets SEDP curriculum requirements.

Students will learn the current theories of how the brain "thinks" and experience their unique "thinking" style. They will learn and practice several creative problem-solving exercises to stimulate the thinking process and develop usable skills in everyday working and living.

To enroll or to obtain further information, call Lori Ryser-Warrick at 939-2686 (DSN 437-2686).

**FILEMAKER PRO 2.1 FOR WINDOWS 3.1, INTRODUCTION (16 hrs.)**

**12-13 May; Monday-Tuesday, 0800-1600; Bldg. 366, Room 102, Point Mugu.**

**Prerequisite:** Students must be able to use Windows 3.1 operating system.

This class is designed for people who have little or no experience using Filemaker Pro 2.1 for Windows.

To enroll, submit an On-Board Training Request to Code 733000E. For more information, contact Marcy Acosta at 989-3992 (DSN 351-3992).

**DIGITAL DESIGN TECHNIQUES (32 hrs.)**

**12-15 May; Monday-Thursday, 0800-1600; Training Center, China Lake.** By: **Quintech Corp. (Byron Edde)**

**Prerequisites:** Participants should have sufficient technical background to understand the material presented; normally included in this group are technicians and technical trainees.

This course is intended for electronic technical and trainees needing instruction in the fundamentals of digital electronics. It is designed to both prepare them for immediate work on digital systems and to prepare them for system training on specific systems. This teaches course participants the capabilities, functions, and operations of digital circuits and systems as applied to digital systems. The skills taught will prepare participants to operationally diagnose and repair these systems. Topics include, but are not limited to, introduction to digital systems and digital mathematics: number systems; logic operations and functions—combinatorial, logic

**CSUC SUMMER COURSES**

Following are courses being offered this summer for the California State University, Chico (CSUC) Computer Science Program (bachelor's and master's degrees). To obtain course descriptions, book order forms, and register for these courses, contact Cecil at 939-0878. Enrollment must be at least 10 days prior to the start of the course. The courses will be held at the Training Center and are on videotape. Employees taking one of the courses below must sign a statement at the time of registration, promising to reimburse the Government if a satisfactory grade (i.e., "C" or better) is not obtained. All courses are 3 semester units.

**CSCI172: Systems Architecture, 5 May-20 August; Monday and Wednesday, 1130-1245**

**CSCI171: Computer Architecture, 13 May-21 August; Tuesday and Thursday, 1130-1245; Lab, Tue 1700-1800**

**CSCI298C-2: Algorithms and Data Structures in Java; self-paced, start any time**

For information, contact Cecil Webb at 939-0878.

**NIFMAS TRAINING****FUNDING OVERVIEW/NIFMAS REPORTS AND QUERIES**

**29 April; Tuesday, 0800-1630; Training Center (Mac Lab), Point Mugu**

**13 May; Tuesday, 0800-1630; Training Center (Mac Lab), Point Mugu**

**20 May; Tuesday, 0800-1630; Training Center (Mac Lab), Point Mugu**

**Intended Audience:** Project management, administrative, and clerical personnel (civilian and military) who interface with the financial system.

**Prerequisite:** Participants must have a current user ID and password for the NIFMAS charlie database reports and queries (available through the Help Desk at 939-2369 (DSN 437-2369)).

This class is an expanded version of the former half-day class on funding queries and Financial Database Subsystem (FDBRSS) reports and queries. It is intended for personnel who need a hands-on introduction to retrieving financial information from NIFMAS, the Navy Industrial Fund Management Accounting System. Those who have taken the original class may be interested in taking this expanded version as a refresher. It will be presented at a slower pace and will stress the interrelationship between selected detail and summary reports. The class will present an introduction to the funding chain and offer a hands-on opportunity to navigate funding query screens to retrieve financial information at the Sponsors Order, ACRN, Customer Order, Division of Customer Order, and Job Order levels. It will also offer hands-on experience in generating and retrieving a selection of commonly used FDBRSS reports and queries, printing, downloading reports to a spreadsheet application, and accessing the Single Financial System (SFS) server. An FDBRSS User's Manual and a Funding Subsystem User's Manual will be given to all participants. Note: Students will need to bring a standard 1-inch, three-ring loose-leaf binder to enclose training materials.

To enroll or obtain additional information, contact Cindy Wheeler at (805) 987-9888, ext. 273, or forward a request to Metters NSRI-MI via QuickMail. Leave your name, code, telephone number, and class preference.

**NAVAL AVIATION EXECUTIVE INSTITUTE (NAEI) FY97 SEMINARS**

NAEI courses are designed for GM-13/Lieutenant Commanders (or equivalent) and above assigned to the Naval Air Systems Command. All Senior Executive Management Development Program (SEMDP) participants are required to attend certain classes and have priority for available billets. Program costs are funded by NAEI. Travel and per-diem expenses of nominees are funded by their organizations. If the course is residential, lodging and meal costs are provided by NAEI. Nominations must be submitted on an NAEI form, which may be obtained from Lori Ryser-Warrick, Program Coordinator, Code 733000D, China Lake, (760) 939-2686 (DSN 437-2686). Note: A DD 1556 is NOT required. Nominations must be submitted to China Lake by the deadline dates listed.

Course Title	Course Dates	Deadline Date to 733000D
Creating and Sustaining the High-Performance Organization	10-15 August	6 June 97
Contemporary Management Issues and Practices	18-29 August 97	29 May 97
The Politics of National Security	24-29 August 97	6 June 97

**COURSE NEED SURVEY**

This survey requires your input to determine if there is a training need for these classes. Your feedback is required by **8 May** so we can make arrangements to bring the course on-site.

**Software Development Standards: J-STD 016 and ISO/IEC 12207 (hrs. TBD)**

**Week of 19 May, possibly starting 21 May; Training Center, Point Mugu**

The course content will be advertised.

**Object-Oriented Analysis and Design (64 hrs.)**

**8-17 September; 0800-1600; Location TBD.** By: **Advanced Command Control Communication Computers Information**

**Intended Audience:** Experienced programmers, software analysts, functional analysts, software engineers, and software quality specialists. This lecture/workshop course provides object-oriented software development concepts and methodologies. Topics include object-oriented benefits, basic concepts, analysis, design, goals of software engineering, and management issues. This course will also cover object paradigm, object thinking, analysis, alternative methodology/managing change, and projects. Approximately 50% of the course includes hands-on analysis and design work. The course uses Peter Coad's methodology, but the instructors are knowledgeable in the Booch methodology as well.

**Introduction to Adas '95 (64 hrs.)**

**11-20 August; 0800-1600; Location TBD.** By: **Advanced Command Control Communication Computers Information**

**Intended Audience:** Experienced programmers with no Ada background. This is a lecture and hands-on course with focus on the features of Ada that is comparable to those of other high-order programming languages—types, control structures, arrays and records, and subprograms. Approximately 50% of this course will be hands-on programming. The course will not cover fundamental programming concepts.

For further information, contact Lily Horton, Code 733000E, (805) 989-3987 (DSN 351-3987).

circuits, and building blocks; using common logic families as examples; MIL-STD-806C symbology and logical diagrams; Boolean algebra and logic reduction; combinatorial and sequential logic; commonly used digital logic families; computer arithmetic, computer logic, and arithmetic functions (the ALU); microprocessors and support chip sets; special considerations for digital circuits; and troubleshooting digital circuits.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Sue Murray, Code 733000D. For further information, call 939-2349 (DSN 437-2349).

**INTERMEDIATE SYSTEMS ACQUISITION COURSE (80 hrs.)**

**12-23 May; Monday-Friday, 0730-1600; Training Center, Point Mugu.**

By: **Acquisition Management Institute (AMI)**

**Note 1:** This course may be taken to fulfill the ACQ 201 DAWIA course for Level II employees who are in career fields with this requirement or employees requiring this course for certification in a subsidiary career field. Employees taking this course to meet a DAWIA training requirement must also have acquisition experience, education and/or additional training to use the Fulfillment Program for meeting the ACQ 201 requirement. ACQ

201 course competencies listed in the Fulfillment Guide should be referred to. (This guide is available in hard copy from department offices or via Internet address for DAU documents: <http://www.acq.osd.mil/daud/daudocs.html>)

**Note 2:** Because of the intensity of the course, outside reading will be required.

The Intermediate Systems Acquisition Course (ISAC) is an integrated course in systems acquisition management. This 2-week course provides a comprehensive overview of the DOD systems acquisition management, technical, and business processes. The course goal is to immerse the students in each process, acquaint them with the specialized terminology, familiarize them with the roles of the primary acquisition players, and demonstrate how it all fits together. The course is structured around three major themes, each with a series of supporting topical coverage. They are acquisition management policy and integration, technical management, and business management.

Point Mugu Deadline: **28 April**

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Helen Casteel, Code 733000E. For further information, call 989-3003 (DSN 351-3003).

**GLOBAL POSITIONING SYSTEM (GPS) (BEGINNING) (8 hrs.)**

**12 May; Monday, 0800-1600; Training Center, Point Mugu.**

By: **QED Educational Services (Dr. Daniel Biezad)**

In the beginning course, the student will gain an understanding of the history and principles of operation of the three segments of the GPS, including the earth and its geodesy. The student will also learn the fundamental error sources associated with GPS and how they are handled in practice. Aerospace applications especially suited for flight and flight testing will be emphasized. Integration with other avionics systems and advanced state-of-the-art applications will be discussed. Differential and Carrier Tracking GPS concepts will be covered in a general sense. At the end of this course, the student will understand the fundamentals of GPS and how GPS is being applied and combined with other avionics systems throughout the aerospace industry.

To enroll or obtain further information, contact Ron Rogers (Code 733000E) at (805) 989-3997 (DSN 351-3997).

**GLOBAL POSITIONING SYSTEM (GPS) (INTERMEDIATE) (8 hrs.)**

**13 May; Tuesday, 0800-1600; Training Center, Point Mugu.**

By: **QED Educational Services (Dr. Daniel Biezad)**

In the intermediate course, the student will learn and practice the mathematical principles upon which the GPS is based. The student will learn state-space modeling techniques and matrix manipulations necessary to solve the navigation problem using GPS. The Kalman Filter algorithm as it applies to GPS error modeling will be presented and applied to practical integration problems with other aircraft systems, especially the Inertial Guidance System. Flight test applications of GPS and Differential GPS will be presented. The student will understand the advanced applications of GPS for aircraft guidance and control to landing and for attitude control of spacecraft and unarmed vehicles. At the end of this course, the student will be able to model as well as understand the GPS and know how it can most effectively be employed in an avionics suite or in a flight test program.

To enroll or obtain further information, contact Ron Rogers (Code 733000E) at (805) 989-3997 (DSN 351-3997).

**GLOBAL POSITIONING SYSTEM (GPS) (ADVANCED) (8 hrs.)**

**14 May; Wednesday, 0800-1600; Training Center, Point Mugu.**

By: **QED Educational Services (Dr. Daniel Biezad)**

The advanced course will enable the student to understand and simulate the GPS using matrix calculus. Comprehensive error models and error budgets for the GPS integrated with INS and other avionics systems will be presented. The student will learn enough probability theory to derive the Kalman Filter and apply it to the GPS error model. The mathematical foundations for advanced applications of Differential GPS and Carrier Tracking GPS will be understood and practiced by the student. Simulation and navigation algorithms associated with piloted and autonomous flight will be derived. Advanced avionics integration schemes involving the GPS will be presented in detail. At the end of this course, the student will understand the latest developments in GPS aerospace applications.

To enroll or obtain further information, contact Ron Rogers (Code 733000E) at (805) 989-3997 (DSN 351-3997).

**MARKETING IN WASHINGTON, D.C.—HOW TO FUND YOUR R&D PROJECT (8 hrs.)**

**12 May; Monday, 0800-1600; Training Center, Point Mugu.**

**14 May; Wednesday, 0800-1600; Training Center, China Lake.**

By: **Don Gay**

This class covers the topics necessary to effectively gain support in Washington, D.C. to get funding for R&D projects. It touches on a spectrum of marketing topics including the R&D structure; the relevant organizations in obtaining R&D funding; organizational interrelationships and their significance; the political environment and its role; the importance of requirements and how to find them; establishing credibility; determining personality styles and how to deal with them; finding a champion; interpreting what is really being said; presenting your project for a maximum impact; the different types of sponsors and how to find them; techniques for protecting the funds that have been promised; and rules to help you avoid getting into trouble.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Marcy Acosta, Code 733000E. For further information, call 989-3992 (DSN 351-3992).

To enroll or obtain further information, call Lori Ryser-Warrick at 939-2686 (DSN 437-2686).

**POWERPOINT 4.0 FOR MACINTOSH, INTRODUCTION (16 hrs.)**

**14-15 May; Wednesday-Thursday, 0800-1600; Bldg. 366, Room 102, Point Mugu.**

**Prerequisite:** Students must be able to use a Macintosh computer. This class is designed for people who have little or no experience using Powerpoint 4.0 for Macintosh.

To enroll, submit an On-Board Training Request to Code 733000E. For more information, contact Marcy Acosta at 989-3992 (DSN 351-3992).

**EXCEL 5.0 FOR WINDOWS 3.1, INTRODUCTION (16 hrs.)**

**14-15 May; Wednesday-Thursday, 0800-1600; Bldg. 366, Room 102, Point Mugu.**

**Prerequisite:** Students must be able to use Windows 3.1 operating system.

This class is designed for people who have little or no experience using the Excel 5.0 for Windows.

To enroll, submit an On-Board Training Request to Code 733000E. For more information, contact Marcy Acosta at 989-3992 (DSN 351-3992).

**LEADING TEAMS (8 hrs.)**

**19 May; Monday, 0800-1600; Training Center, China Lake.** By: **Dawn Hodson**

**Prerequisite:** Participants must be team leaders.

This course is designed to teach team leaders how to turn their teams into high-performing groups. Because the level of team performance is directly related to how well the leader develops and powers the group, team leaders need to have a framework for understanding their role and how that role changes over time.

To enroll or obtain further information, call Lori Ryser-Warrick at 939-2686 (DSN 437-2686).

**WORD 6.0 FOR WINDOWS 3.1, INTRODUCTION (16 hrs.)**

**19-20 May; Monday-Tuesday, 0800-1600; Training Center, China Lake.**

**Prerequisite:** Students must be able to use the Windows 3.1 operating system.

This class is designed for people who have little or no experience using the Word 6.0 for Windows 3.1 program.

To enroll, submit an On-Board Training Request to Code 733000E. For more information, contact Marcy Acosta at 989-3992 (DSN 351-3992).

**LAN DESIGN (DATA NETWORK DESIGN AND PERFORMANCE OPTIMIZATION) (32 hrs.)**

**19-22 May; Monday-Thursday, 0800-1600; China Lake Training Center.** By: **Learning Tree International**

**Course Level:** Advanced

**Intended Audience:** Network architects, designers, and managers, or anyone involved in providing network services to their organization.

This course will provide you with the knowledge of variables you must consider during the network design or performance optimization process. This course will provide the participants with sufficient background to identify end-to-end traffic flow requirements and choose the appropriate technology as necessary. Each Lan and Wan technology option will be explained in terms of its bandwidth and delay properties and specific techniques to optimize each technology. This course explains the performance characteristics of both LAN and WAN technologies that are available, but does not cover their detailed operation. This advanced course provides the skills you need to design new, scalable networks or optimize existing networks. Workshops focus on avoiding unsheduled down time, maximizing performance, and planning for future growth. Topics include: the network design process, selecting the appropriate network layout, choosing the appropriate LAN and WAN components, creating a cost-effective design, planning network layer addressing the routing, strategies for fault tolerance, and ongoing operations and management of your network.

To enroll at China Lake, submit an On-Board Training Request (NAWCWPNS 12410/2) to Sue Murray, Code 733000D. For further information, call (760) 939-2349 (DSN 437-2349) or Lily Horton at (805) 989-3987 (DSN 351-3987).

**STRESS AND YOUR BODY (2 hrs.)**

**22 May; Thursday, 1300-1500; Training Center, Point Mugu.** By: **Roger H. Knight, D.C.**

The human body has limits to the amount of stress it can handle. Medical research shows that when under prolonged stress, our immune system is depressed, causing a multitude of health problems. In this course, solutions are offered to combat stress, provide nutritional support for the body, and create lifestyle changes to increase energy, vitality, and prevent fatigue.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Marcy Acosta, Code 733000E. For further information, call 989-3992 (DSN 351-3992).

**COUNTER-STEALTH RADAR FUNDAMENTALS (4 hrs.)**

**28 May; Wednesday, 1230-1630; Training Center, Point Mugu.**

**29 May; Thursday; Thursday, 1230-1630; Training Center, China Lake.**

By: **Quintech (Byron Edde)**

The development of low-observable technologies in aircraft, drones, and missiles has resulted in research in the defense community regarding the ability of radars to track these "stealthy" targets. The purpose of this presentation is to explore the principles of low observability and to discuss methods of making radars less vulnerable to these types of targets.

To enroll at Point Mugu, submit an On-Board Training Request (NAWCWPNS 12410/2) to Felicia Nickelberry, Code 733000E. For further information, call 989-3980 (DSN 351-3980).

To enroll at China Lake, submit an On-Board Training Request (NAWCWPNS 12410/2) to Dorothy Wiederhold, Code 733000D. For further information, call (760) 939-2359 (DSN 437-2359).

**SIGNAL PROCESSING WITH NON-UNIFORM SAMPLING (4 hrs.)**

**28 May; Wednesday, 0800-1200; Training Center, Point Mugu.**

**29 May; Thursday; Thursday, 0800-1200; Training Center, China Lake.**

By: **Quintech (Byron Edde)**

Traditional digital signal processing requires that the data samples be spaced uniformly in whatever domain provides the input (often time). In particular, using the fast Fourier transform (FFT) in any process imposes this requirement. Many systems that use digital signal processing, however, avoid certain system-level problems by using non-uniform sampling spacings. This is particularly true in systems such as under-sampled radar modes, where low and medium-PRF waveforms are implemented. Using non-uniform sampling and processes that expect uniform samples imposes limitations on the effectiveness of the processes. The primary reason for imposing this sampling restriction is that the processes that demand it are typically order-of-magnitude less time-consuming to calculate than equivalent processes that do not impose the restriction. The purpose of this presentation is to explore certain processes that allow non-uniform sampling within the time limitations imposed by the systems.

To enroll at Point Mugu, submit an On-Board Training Request (NAWCWPNS 12410/2) to Felicia Nickelberry, Code 733000E. For further information, call 989-3980 (DSN 351-3980).

To enroll at China Lake, submit an On-Board Training Request (NAWCWPNS 12410/2) to Dorothy Wiederhold, Code 733000D. For further information, call (760) 939-2359 (DSN 437-2359).

**DESIGNER/2000 SYSTEM MODELING AND TOOLS (40 hrs.)**

**2-6 June; Monday-Friday, 0800-1600; Training Center, Bldg. 366, PC Lab, Point Mugu.** By: **Oracle Corp.**

**Targeted Audience:** Business analysts, designers/developers, managers, and system analysts. **Prerequisites:** Introduction to Oracle: SQL and PL/SQL Using Procedure Builder, Doc. Code 10101, Develop Complex Data Models and Design Databases, Doc Code 12101.

**Note:** Enroll only if you have met the prerequisites.

This course will guide participants in applying the systems analysis methodology to developing relational database systems. Using a practical case study, participants analyze business information requirements based on functions. With this information, participants will use Designer/2000 facilities to create a model of business functions and use the Dataflow Diagrammer, Matrix Diagrammer, and Repository Object Navigator to consolidate and cross-reference the functions. Participants will populate the data repository using the Systems Modeler and Repository Object Navigator. The resulting graphical diagram of business processes will become