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- Unforgiven
- More in Weekly!!!
- Batman
- The Body Guard
- Eraser
- Fly Away Home
- Twister
- Jumangi
- Interview w/ a Vampire
- Mask
- Michael Collins
- Species
- The Wizard of Oz

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# Capehart B housing units to close: Here's why

By Capt. Stan Douglass  
 NAWC Commanding Officer

I want to take this opportunity to explain some very significant changes that are occurring in our housing program here at China Lake. It is an important issue, because it personally affects many of our base residents, and because we must begin implementing this program now. These changes include the closure of Capehart B and assignment of E-5 and below military personnel to Capehart A. However, no current residents will be required to move off Station.

You may ask, "Why does this need to happen now?" As many of you know, the Department of Defense budget appears to be stabilizing at about \$250 billion per year, of which the Navy's share is approximately one-third this amount. This restrained budget authority has made it difficult for the Navy to sustain all its operations (including training, flying hours, at-sea exercises, etc.) while still allowing funding for research and development efforts and new weapons systems like the F/A-18E/F and the Joint Strike Fighter. This has required the Navy to make difficult choices and to prioritize all aspects of its funding to ensure we maximize the benefit

to our Navy and our members. We must also, therefore, review our cost of doing business here at China Lake, including the amount we spend on married family housing. This year we are spending \$7,680,000, or approximately \$14,800 per base house, to support our 519 homes. By comparison, the cost in BAQ and VHA to house our married residents off-base would be approximately \$3,237,000 per year, a very significant difference of over \$4 million per year. When these financial aspects are related to critical Navy housing shortages that exist in some areas, such as the

Please see **HOUSING**, Page 8



# THE ROCKETEER

THURSDAY, JUNE 12, 1997 NAVAL AIR WARFARE CENTER WEAPONS DIVISION CHINA LAKE Vol. 53, No. 12

**Stan Miller's 40**  
 noted at 41 **6**

**McLean, Thompson,**  
**Mich Lab kudos** **12**

**Ground broken for new mixer control room at Salt Wells plant**  
*Move allows processing to transition from 'black magic to science'*

By Gordon Fawkes  
 Facilities, Equipment and Space Office

"This is not something we do every day," said John Robbins, head of the Airframe, Ordnance and Propulsion Division. "It's a challenge for the workers." He was referring to the construction of a new intermediate mixer control room at the Salt Wells Pilot Plant.

The Ordnance Processing Section operates several propellant mixers and two curing ovens clustered together in the Pilot Plant. The mixers have capacities of one, five, 30 and 50 gallons, and the controls for the mixers are in very old, separate control rooms close by each mixer. "Process controls are outdated, unreliable and do not meet the precision or data requirement demanded by today's customers for propellant or explosives development," explained Robbins.

If an explosive incident were to occur, the old control rooms would not protect operators from blast overpressures. "Any plan to modernize and upgrade the controls triggers current safety standards for protection of personnel much like an addition to an old house must conform to current building codes," said project manager Mike Heseman.

Please see **CONTROL ROOM**, Page 8

# CL-TI partnership builds low-cost ball-joint-gimbal infrared seeker

Pam Harris  
 TI

Most of us have no qualms about teaming with fellow China Lakers to get a job done. Some of us even relish the prospect of a joint venture between government facilities. But an equal teaming effort between government employees and those from industry right from the start? Egads! That's about as scary as jumping into the Grand Canyon with only a bungee cord tied around your waist.

A handful of our engineers, however, recently took the plunge by teaming with employees from Texas Instruments (TI), Inc., of Dallas, Texas, to produce a low-cost ball-joint-gimbal infrared seeker, a planned transition for the Joint Standoff Missile (JSOW) in FY 2002. China Lake's team members were Don Quist, Don Christison, Carl Zorzi, Brian Wolfe, Phil Bowen, Randy Coleman and Bill Wight, of NAWCWPNS Signal Processing and Control Integration Section.

Mike Lloyd, a program manager for TI, says, "The arrangement was very unusual for our company; it involved a great deal of trust. Our teaming approach was very successful because we established a strong technical base at all levels and encouraged communication at all levels."

"We were in each others' knickers constantly," China Lake's Quist says on the day-to-day teaming approach. The seeker, first proposed in 1994 by Quist, got its start with \$200K from the now defunct Apollo Program. To demonstrate

concept feasibility, Quist assembled a crude prototype from spare parts in the lab. Quist says that to minimize costs, he followed the classic "KISS" (keep it simple, stupid) principle. Without gyros, wires or precision parts, the ball-joint-gimbal design replaces the conventional mechanical gimbal with an electronic gimbal: motion, pitch and yaw are measured in the signal processing. Cost studies show that a high-performance infrared seeker using ball-joint-gimbal technology could be produced for 50 percent less than the current seeker planned for JSOW.

The seeker's design and operation resemble an organ familiar to all of us: our eyes. A diamond-turned mirror "sees" the target. Its pivoting movement is aided by a mechanical ball and joint and four Kevlar lines. These lines, which function in a manner similar to the muscles that orchestrate eye movement, are attached to four separate motors. Conventional seekers use expensive encoders to directly measure the angle of the lens off the missile axis. Ball-joint-gimbal technology uses a different approach. A low-cost shaft encoder is attached to each motor to measure the angle of the motor. These measurements are used by the signal-processing algorithms to calculate the angle of the mirror and compute the proper lengths of the Kevlar lines. Line lengths are adjusted by the four motors, which change the angle of the lens.

The result of this unique design is a seeker with a large field of regard and a fast slew rate — 1,000 degrees per second. Scene-stitching capability, which puts the target in the field of

Please see **SEEKER**, Page 15



**KISS**—Don Quist, of the NAWCWPNS Signal Processing and Control Integration Section, says he kept the new seeker's prototype design simple.

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# Weather

May 28 - June 3				
	High	Low	Gusts	Humidity
Wed	100	61	23	49-15%
Thurs	103	64	22	56-16%
Fri	104	65	22	52-18%
Sat	104	67	25	56-16%
Sun	100	67	27	34-16%
Mon	99	66	24	40-16%
Tues	99	63	30	50-16%
June 4 - 10				
Wed	88	69	28	50-21%
Thurs	83	64	40	58-27%
Fri	93	66	31	46-17%
Sat	94	65	21	45-20%
Sun	92	64	30	54-14%
Mon	92	60	28	47-13%
Tues	94	63	24	51-16%

## China Lake Calendar

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

### Saturday, June 14

•Flag Day

### Tuesday, June 17

•Goals 2000 Satellite Town Meeting, 5 p.m., Training Center.

### Tuesday, June 24

•Boeing's Dr. Fred Faith presents 1997 Information Technology Symposium, Mich Lab, 1000D, 8 to 11:30 a.m.

### Thursday, June 26

•AV-8B IPT Party. See Page 19.

## THE ROCKETEER

RAAdm. Jack V. Chenevey NAWCWPNS Commander Capt. Stanley W. Douglass NAWC Commanding Officer

Steven F. Boster Public Affairs Officer

Barry McDonald Editor

Kathi Ramont Staff Writer

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This deadline also applies to submissions for the NAWCWPNS Announcements contained herein; and the PAO Info Line.

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@mail.chinalake.navy.mil/stn/infoline.html.

Information intended for use in PAO Info Line should be sent to Linda Lou Crosby by 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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Advertising deadline is noon, the Friday before publication.



# The Commander's Desktop

By RAAdm. Jack V. Chenevey NAWCWPNS Commander



### Question:

Several months ago it was reported in *The Rocketeer* that Lt. William O'Brien rendered an interpretation of regulations that government employees may not offer rides to contractor employees while on official travel. It is unfortunate that there has appeared no follow up to this report. I wish to describe two actual, not hypothetical, scenarios that occur in the course of a government employee's duties on travel.

(1) I am met at an airport by my Navy sponsor; an employee of another warfare center (who is essentially a competitor for my sponsor's funding), and a contractor supported by the same sponsor. I happen to have a rental car reserved that will hold all four of us, and we are all going to the same destination and returning on the same day.

Please see **DESKTOP**, Page 16

## DRMO auction on Tuesday, July 15

Local Auction 44-7504 will be conducted by the Defense Reutilization and Marketing Office on Tuesday, July 15. FAX bids and bids dropped off at the sale site will be accepted until 1 p.m. July 14. All bids after 1 p.m. will be considered non-responsive. Items will be on display for inspection July 9, 10 and 14 from 7:30 a.m. through 3 p.m., and on July 15 from 7:30 through 9 a.m. A complete list, as well as sales terms and conditions can be seen at the DRMO in Building 1073. The DRMO will be closed on Friday, July 11 and July 25. The DRMO no longer mails catalogs. They are available either by FAX at 939-0162 or by e-mail address www.drms.dla.mil.

Registration begins July 9. Mailed bids will not be accepted. Items purchased may be removed on the sale date provided full payment is made. Deposits are not required. Payment must be in cash or a guaranteed instrument, i.e. cashiers check, travelers check or money order. Visa and Mastercard will also be accepted. For more details, call Phyllis at 939-2502/2538.

## Summer jobs available now for teens

Are you an active duty dependent between the ages of 14-21? Looking for a summer job? Then contact the Summer Youth Employment Training Program at 446-5872. The Job Training Partnership Act has opening for low income and handicapped youth.

The program provides summer jobs for those who are willing to work full time schedules up to eight weeks for minimum wage. Currently, minimum wage is \$5 per hour.

As a courtesy to the people serving the United States in the military, the program does not count active military income when qualifying family income.

Be sure to leave your name and phone number and indicate that you are a military dependent when you call.

## What's going on at the indoor pool?

By Alonzie Scott MWR Director

Great question. After months of deliberation and listening to system evidence, opinions and comments as advocated by the experts from all walks of life, we reached a decision on the right way to repair the indoor pool heating problem.

First, we must apologize to our customers for inconvenience created. Many reasons exist for the delay and are far too complicated to explain in this short vita. So here is our plan to resolve the indoor pool heating problem. By the end of the summer, Public Works will install a back up heating system. Plus, all personnel shall be retrained on how the system works so that resolution of future problems, though we do not anticipate anymore problems, becomes simpler and faster. That's the short story version of the indoor pool problems.

If you have questions down the road or discover something new about the indoor pool, please feel free to call me at 939-2010. We will get our investigative team on it right away.

## Pages From The Past

June 12 & 19, 1987

Since he was a junior high school student, China Lake's Lt. Kenneth Bowersox has thought about being an astronaut. Now the A-7E Corsair II and F/A-18 project pilot is one of 15 new astronaut candidates selected by the National Aeronautics and Space Administration for the space shuttle program.

June 10 & 17, 1977

NWC is one of ten military installations selected for a national conservation experiment. All carbonated beverages sold at the Navy Exchange will cost an additional five cents per bottle. . . June Deatherage, head of the ever-busy Presentation Art Section of the Technical Information Department's Illustration and Design Branch, along with her husband Vic, is a dedicated breeder and racer of horses.

June 7 & 16, 1967

The U.S. Navy League's "Shipmates" program of cruises for youngsters brought 40 high school students to China Lake this week from their home in Kodiak, Alaska. . . Ed Jones, chief commissaryman at the NOTS Galley, has developed what he calls his "snake catcher." When the trigger is pulled, a "thingaroo" on the end is supposed to snap closed around the snake's neck. Ed is interested in forming a snake catching club on the base. . . Members of the Station's scientific community heard the progress of combat helicopter tactics from a much decorated veteran of Army aerial warfare in Viet Nam, Maj. George O'Grady.

June 7 & 14, 1957

Wyatt Earp's sub-sonic cowboy pony was phased out today in favor of an FSD Skynight jet-fighter, when Cdr. Selden May picked up the popular western hero at L.A. International and whisked him to NAF in 25 minutes. Wyatt, whose real name is Hugh O'Brien, will be the guest star at tonight's annual Babe Ruth-Little League opening ceremonies.

June 11 & 18, 1947

Thirty-three Burroughs seniors received their diplomas at the commencement exercises in the station theater from Theron L. McCuen, district superintendent of Kern county high schools.

## COMMUNITY EVENTS

China Lake's Photographic Society will present Ted Ayers with his view of John Muir's world — Sierra Nevada's "Range of Lights." It will be held on Thursday, June 12, at 7 p.m. at the Maturango Museum. Program includes a wild animal shoot in Sand Canyon. Call Helen Jackson at 375-7775 for more information.

####

Low-cost pregnancy screening services are available through the Kern County Department of Public Health on June 16 (by appointment only), from 8 to 10 a.m. at the Health Department Building, 250 W. Ridgecrest Blvd. Call

375-5157 for an appointment.

####

Terry Dawson, a local agent, will be the featured speaker at the June meeting of the Ridge Writers' branch of the California Writers' Club. Dawson is the director of the Abacus Group Literary Agency in Ridgecrest. The June meeting will offer an opportunity to local writers to have their questions answered by a local literary agent. The Ridge Writers will meet on June 26 at the Maturango Museum at 7 p.m.

####

Maturango Museum and the American Cancer Society are holding an art, hors d'oeuvres and white elephant silent auction on Sunday, June 29, from 2 to 5 p.m. at the museum. Admission is \$5. Tickets can be purchased in advance at the museum or from the American Cancer Society. For details, call Phoebe Tupper at the museum at 375-6900. The ACS telephone number is 446-6028.

### Family picnic

## AV-8B IPT party is June 26

The AV-8B Integrated Project Team is having its third annual picnic at the Barefoot Bar Picnic Area on Thursday, June 26, starting at 5 p.m.

All members past and present of the IPT, and their families, are invited.

The cost is \$4 per person, which includes food (hamburgers and hot

dogs), sodas, door prizes, raffle items (money to local charities), games for the kids, a deejay and a dunk tank.

All you will need to bring is your smiling, happy mood and a side dish.

If interested in attending or participating in raffles, please contact Marie at 939-5709 or Debbie at 939-5551.

## Celebration continues . . .

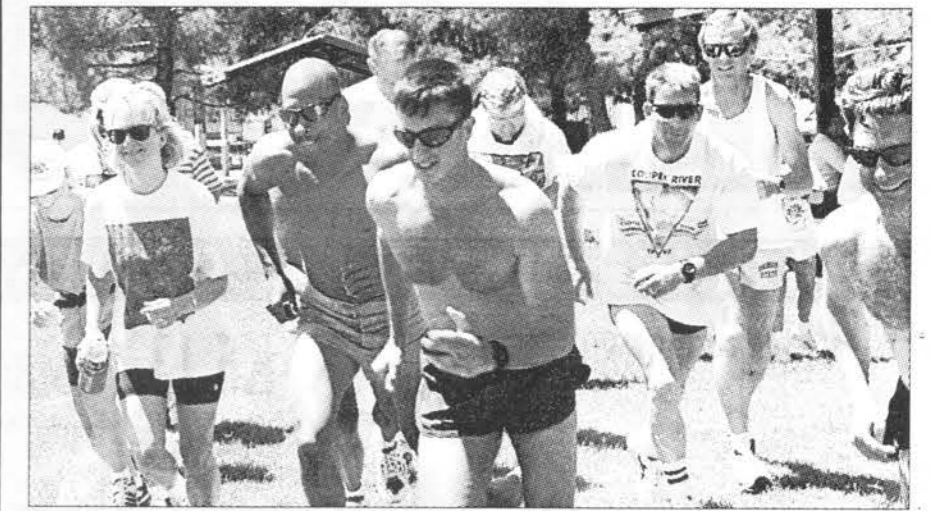


Photo by Kathi Ramont

**AMERICAN HERITAGE RUN**—Runners and walkers exploded past the start line Monday on a 5K course that kicked off the beginning of this week's celebration — "Maximizing Similarities, Minimizing Differences." MA1 Ron Seeny took first place in the men's competition with a time of 19:11; EODs Lt. Marc Tranchemontagne placed second, 19:27; and ENCS(EOD) Steve Boneau's 20:02 took third. Elaine Samson came in first in the women's division with a 25:25 time. Linda Homer placed second, 25:27; and Joy Lewis took third with a 26:26 time. The celebration continues today with a Cultural Diversity Workshop at 12:30 and 4:30 p.m. at the Training Center. Kids' activities will be featured all afternoon at Solar Park. The international food court, featuring a variety of food, games, swimming and a band runs from 11 a.m. to 1 p.m. and again from 6 to 9:30 p.m. at Solar Park.

## NAWS CRIME HOTLINE

# 927-1925

Anonymous Calls Welcome

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### 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-2, 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)

### 10 HELP WANTED

Networking marketing at it's best. Product washes clothes without soap. Representatives needed for Antelope Valley. Call Bob at (805) 832-3676 (TFN)

PART TIME RN - Need organized, self-motivated person with excellent people skills to head new satellite blood center, in Ridgecrest. Will provide training. 3-5 years med/surg nursing exp preferred. Call Linda, Houchin Blood Bank, 805-327-8541 (6-26)

### 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. 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)

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TV-VCR REPAIR. 50 years experience. Work guaranteed. FREE ESTIMATE. 446-0916. (6/26)

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ATTENTION: Military, D.O.D., Base Contractors, Base Certified Home Daycare has immediate openings. Meals and Snacks provided. Arts and Crafts. Lots of fun activities. Call Julie 446-1522. (TFN)

MOVING EAST? Experienced professional driver (CDL Class B) will drive your truck/motor home/car to your east coast destination in exchange for expenses and transportation to SW Virginia late June. Call 446-1950 for details. (7/10)

### 20 RENTALS

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

MOBILE HOMES in the nicest park in Ridgecrest. Rent \$410 and up, sale \$17,000 and up. Spacous available \$211. Arrowhead Mobile Home Park, Monday-Thursday, 2:00-6:00pm, Friday 8:00-12:00pm. 446-2796. (TFN)

2BR, 1BA, garage, hookups, Nice area, wtr paid. \$325/mo. See at 237A Richmond or call 375-4356/373-4125. (TFN)

OFFICE SPACE FOR LEASE. (Gemstone Street)

Vanguard Properties (760) 375-8362. (8-21)

RETAIL/WAREHOUSE SPACE FOR LEASE (West Ridgecrest Blvd.) Vanguard Properties. (760) 375-8362. (8-21)

\$335, GREAT NEIGHBORHOOD, 2BR, near base, fenced yd., water pd. No Pets. 446-4810. (6-12)

\$575 4BR, 2BA, Spacious Spiffy. China Lake Acres. 446-4810. (6-12)

\$625 NEAR HERITAGE. Spiffy 3BR, 2BA, Big kit/liv rm. Covered patio. No Pets. 446-4810. (6-12)

COZY COUNTRY ATMOSPHERE, close to base. 1BR units from \$110/wk. \$350/wk. \$350/mo. Mountain View Motel. 446-6209. (6-12)

4BR, 2BA, 3+acres, 2 corrals, pvc fence, w/d hkups, DW, refrig & more. \$600 + sec only. 377-4086 for appt. (6-12)

VERY CLEAN 2BR, 1BA, Gar, Pet OK. Trash pd. \$385/mo 371-1144. (6-26)

### 25 REAL ESTATE

WARM & COZY, 3 BR, 1 BA, on double lot with pool. Fireplace insert, trees, completely fenced. \$77,500. Call Dan at 375-0108. (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+ sqft. 4BR, 2.5 BA, family room, balcony overlooking living room with cathedral ceiling, bay window, efficient glo-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. \$992. MO \$20,000. Below cost. New loan only \$850 mo. Call Cinda (800) 405-6822 AC11 for more info. Stephanie 375-2741 for appt to see. (TFN)

### 35 AUTOMOTIVE

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Col. William F. Bain

## Marine Aviation Detachments' new CO not new to the California desert

By Kathi Ramont  
Staff Writer

"My job is to take care of the Marines here at China Lake, in whatever way necessary," said Col. William F. Bain, the Marine Aviation Detachment's new commanding officer recently. "I'm here to coordinate local Marine Corps programs and provide command and administrative support to all the Marines assigned to NAWCWPNs and Air Test and Evaluation Squadron Nine (VX-9)."

Currently there are 24 officers and 37 enlisted assigned to the MAD. Bain's organization identifies Marine interest programs. This includes interpreting and validating Marine Corps requirements for aircraft, weapons systems and equipment for Weapons Division technicians and managers. He reports to Marine Corps headquarters in Washington, D.C.

According to the colonel, Marine aviators are found in all the weapons systems support activity offices, working with Navy pilots, civilian employees of the Navy and contractor personnel. Just nine years old, the MAD, China Lake, came about because of the growth in Marine projects. The Marines provide Navy pilots and civilians with a Marine point of view and knowledge of needs that can only come from having been a Fleet Marine Force pilot.

The new CO is the son of a career naval officer. Continuing the family military tradition, Bain's career has led him from the Naval Academy to becoming the lead member of the MAD. He assumed command on May 22. This is his second assignment to the high desert.

His previous tour was as part of Air Test and Evaluation Squadron Five (VX-5). In 1985 he was assigned as the operational test director for all vertical/short takeoff and landing (VSTOL) operations and participated in testing for the AV-8B, F/A-18 and the A-4M. In this capacity he planned and executed the evaluation of the AV-8B Night Attack aircraft, Laser Maverick weapon system, AV-8B Electronic Warfare Suite, several F/A-18 test programs and was designated detachment commander for eleven deployments.

In October 1988 he was assigned to then Naval Weapons Center and assumed duties as MAD executive officer during its establishment. Bain continued his aviation testing duties with the weapons system support

## Smith, Hickerson receive Navy and Marine Corps Achievement Medals

Two Navy and Marine Corps Achievement Medals were presented at recent Naval Weapons Test Squadron quarters.

AD2 Daniel T. Smith received an NMCAM for achievements as shop supervisor, Power Plants Division, Aircraft Intermediate Maintenance Department, and as shift supervisor, Transient Line,

Operations Department, under the Commander U.S. Fleet Activities, Okinawa, from February 1991 to January 1997. "Smith significantly contributed to the efficient processing of 25,283 aircraft, 31,289 passengers and 3,726,618 pounds of cargo," wrote RAdm. Michael D.

activity at China Lake until his transfer to Yuma in July 1989, where he assisted in the standup of the first AV-8B Night Attack squadron.

The Columbia, S.C., native was commissioned as a second lieutenant upon graduation from the Navy Academy in June 1973. In 1974 he graduated from basic school at Quantico and reported for flight training at Pensacola, Fla.

In June 1975 he was promoted to first lieutenant. Designated a naval aviator in January 1976, he reported to Marine Attack Training Squadron 102 for transition training in the A-4M aircraft.

Assigned to Marine Attack Squadron (VMA) 223 in June 1976, he served in all three active duty Marine aircraft wings as the squadron changed its location from Yuma, Ariz., to Iwakuni, Japan, and finally, Cherry Point, N.C. While serving as the assistant operations officer and squadron weapons and tactics instructor at Cherry Point he was promoted to captain in June 1978.

Following an extended temporary assignment, Bain was permanently assigned to Marine Aviation Weapons and Tactics Squadron One in January 1979. During this tour he participated in the doctrinal development of the USMC Close Air Support Handbook, Suppression of Enemy Air Defense Doctrine, Laser Weapons Employment Procedures and was an operational assistant during the Marine Corps Electronic Warfare Close Air Support Study.

Transitioning to the AV-8A Harrier in 1983, Bain was assigned to VMA-542 located in Cherry Point. He participated in all aspects of VSTOL operations while assigned as a department head. He was promoted to major in October 1983.

After his China Lake tour he was assigned initially as the XO of the VMA-214 Blacksheep, but was reassigned after 18 months to the VMA-211 Avengers as their XO.

Bain was promoted to lieutenant colonel in October 1990. Selected for Top Level School, he attended the U.S. Air Force Air War College, Maxwell AFB, in July 1991. Following this year of education with the Air Force, Bain assumed command of the VMA-513 Nightmares, where he guided them into the era of AV-8B Night Attack. After a successful tour as CO, during which his squadron was selected U.S. Marine Corps Association's VSTOL Squadron of the Year, he was selected to fulfill his joint officer assignment with the

Haskins in the citation. "Despite a four-fold increase in work load with no additional manpower, he expertly supervised the efficient transfer of power plants' readiness list gear and equipment."

Lt. Todd W. H. Hickerson served as Avionics/Armament Division officer and squadron pub-

## MILITARY NEWS



MAD CO—Col. William F. Bain at recent change of command ceremony.

U.S. Special Operations Command at MacDill AFB, Tampa, Fla., reporting for duty in July 1994.

Bain has a master's degree from the University of Phoenix. He is an associate member of the Society of Experimental Test Pilots and has accumulated almost 4,000 flight hours in a variety of aircraft including the AV-8A/B/C, A-4E/F/M, OV-10, AH-1, UH-1, CH-46, AC-130, MH-64 and CH/MI-1-53.

Bain's personal decorations include the Defense Superior Service Medal, Meritorious Service Medal and a Navy Commendation Medal with gold star.

Bain, and his wife, Caryn, have one daughter, Kelli age 16. He said the family hopes to have the time to enjoy their outdoor interests of fishing, skiing and sailing. "I love the desert," he said. "It's good to be back."

lic affairs officer from February to March 1996. "He greatly enhanced the productivity of his division by revising on-the-job training qualification programs to reflect new technology," said Cdr. Dane Swanson, CO NWTS. "He was also personally responsible for the publishing and distribution of "The Dust Devil Digest," a newsletter which improved squadron morale."

### Recognition

Junior Dust Devil of the Month for May was AMH3 Mickey C. Smith. Junior Dust Devil of the Month for April was AMS3 Troy E. Davis.

Plane Captain of the NWTS QUARTERS, Page 4



AD2 Smith



Hickerson



AMH3 Smith



Davis

**NWTS QUARTERS** from Page 3

Month is Mace C. Riddle. Plane Captain of the Month for March was ATAN Augustin Benitez-Rodriguez. A Good Conduct Award was given to AN Negash Okeke E. Markland. AE2(AW) William D. Tomeck Jr.



Riddle

received special recognition for his outstanding physical readiness achievement from the commanding officer of Strike Fighter Squadron 147.



Benitez-Rodriguez

Letters of commendation were presented to AZ2(AW) Maria Lourdes C. Tottoc and AT1(AW) Thomas M. Tye.

**Vacation Bible School runs June 23 to 27**

Vacation Bible School at the All Faith Chapel will be held June 23-27 from 8:30 to 11:15 a.m.

This geared-for-fun summer Bible school is for children in grades pre-Kindergarten (going to Kindergarten in the fall) through sixth grade.

A western theme, "Circle of Friends," has been chosen and the kids will be going to a different room each day, which will feature five different settings — the trading post, campfire, cookhouse,

range trail and the lodge.

For the school's mission project, children will be asked to bring canned goods or non-perishable foods that will be given to the local Living Bread Ministries.

Classes will be held in the buildings across the street from the chapel.

Register your student now at the chapel office, or by calling 939-2873 or 939-2773.

This is an ecumenical Bible school and is open to everyone.

**Chapel Call**

By LCdr. Patrick McCormick  
NAWS Chaplain

**Suicide prevention: everyone's business**



When someone we know attempts suicide, we often ask ourselves "what could I have done to help that person?" It is an excellent question and there are some specific answers.

The truth is that most who attempt suicide do reach out in various ways prior to their attempt. Many of their attempts at reaching out can be counterproductive and hard to read, such as fighting with people that could help them or withdrawing from family and friends. But often these are distorted efforts at reaching out for help. The good news is that most who attempt suicide are open to being helped, even though they feel truly helpless and hopeless. And most help comes not from the "experts" in matters of suicide prevention, but from caring human beings who have the courage and compassion not to run away from a hurting co-worker, friend or loved one. It is the simple human concern of

others that gives the greatest help and hope to those contemplating suicide.

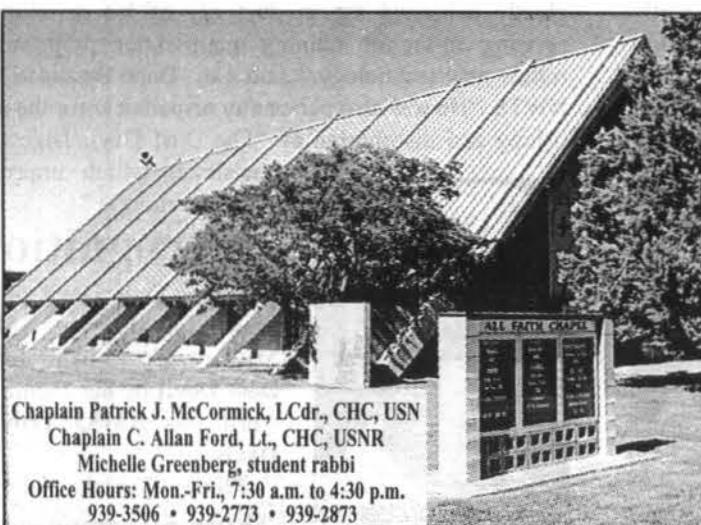
How does one reach out? Usually we can do by using common sense and being direct with the one we are concerned about. Simply to ask someone seriously "how they are," or to honestly express one's concern about another's despondency or irritability or other uncharacteristic changes in behavior is often the best way of reaching out. We may have to do this at a time when we really feel like going away and leaving the hurting person to themselves.

Off course, if one has serious and immediate concern about a friend or loved one, they should get them help and right away.

The places to contact here would be the Chaplain's Office at 939-3506, or the Family Service Center at 927-1545. Suicide prevention is everyone's business. And when we do our part as concerned human beings, we all win.

**Young people take first Holy Communion**

**RECEIVING CHRIST**—Nineteen young members of the Catholic community of the All Faith Chapel received their first Holy Communion on May 11. Pictured with Father Patrick J. McCormick, LCdr., command chaplain (far right), are (l-r, front row) Brandon Packer, Carmen Hagan, Rowell Edwards, Matthew Carlock, Christina Bailey, Sergio Tampon and Shane Troxell; (second row) Mindy Olsen, Noelle Tizon, Michelle Bailey, Jennifer Amato, Julie Boland, Eulima Devera and Ashley McDade; (third row) James Murphy, Hayley Selle, Janelle Olsen, Randall Reeder and Maria Reeder; and (back) Maryann Hyser and Thomas Murphy.



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

**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) 12 p.m.

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

**Leisure Lines**

Naval Air Weapons Station, China Lake, CA



**How to Hoop it up This Summer**

Coed basketball league, for youth 6-17 years, begins June 24 through August 2. Register at Castle X, 11:00 a.m. to 5:00 p.m., Monday through Non-Flex Friday. Registration deadline is June 5. Practices and games held on Saturdays and/or Tuesdays. For details, call Teresa or LuChrisa at 939-6884.

**NBA Championships Live on 80" TV Screen in the Wreck Center!**

**Castle X Teen Scenes Magic Mountain**

Hey teens! No reason to be bored this summer. Join Castle X staff for a day of rides and thrills.  
Date: June 14  
Time: Leave 7:00 a.m.  
Ages: Boys and Girls, 12-17

**Cool Down Parties**

Take a cool dip in Solar Park Pool with lots of games and fun!  
Date: June 28, July 12, July 26, August 9, August 23  
Time: 3:00 p.m. to 5:00 p.m.  
Where: Solar Park Pool  
Ages: Boys and Girls, 12-17  
Cost: Military-\$2.50 DoD-\$3.50 Community-\$4.50

**Discover Your Talent through Drama**

Date: July 8-July 24, Tuesdays, Wednesdays & Thursdays  
Time: 2:00 p.m. to 3:30 p.m.  
Where: Castle X  
Ages: Boys and Girls, 12-17 years  
Cost: Military-\$8.00 DoD-\$10.00 Community-\$12.00

**Adventures in Baby-sitting**

Date: June 23-26  
Time: 9:00 a.m. to 12 noon  
Where: Child Development Center  
Ages: Boys and Girls, 11 and up  
Cost: FREE

**Beautiful Writing is Easy**

Discover the art form of calligraphy and create cards, notes and letters. All supplies included in fee.  
Date: July 21-August 6, Mondays & Wednesdays  
Time: 10:30 a.m. to 12 noon  
Where: Castle X  
Ages: Boys and Girls, 12-17  
Cost: Military-\$6.00 DoD-\$8.00 Community-\$10.00

**Join the Stars**

Hey military! Attend a live taping of *Politically Incorrect* on June 17. Trip is for single and active duty military. You'll leave the CBQ parking lot at noon and return around 10:00 p.m. Sign-up today in the Wreck Center ITT counter.

**Laughlin, Nevada Excitement**

Colorado River is full of excitement for active duty military. Your adventure begins on July 25-27. Golfing, swimming, fishing, gambling, boating and more. For single active duty military. RSVP by June 20. Price for trip is based on sign-ups, accommodations, plus a \$10.00 transportation fee.

Call Charmaine at 927-4386.



**Savings are Tradition at Auto Hobby**

Savings unfold at Auto Hobby during American Heritage Week, through June 13. Save 25% off everything! Auto Hobby is located on East Inyokern Road near the Training Center. DoD and Contractors may use Auto Hobby Shop. For details, call 939-2346.

**Put Sparkle Back into Your Life.**

Stained glass ambiance awaits! The quiet tinkle of glass in the wind on a summer evening, the beautiful glow from a Tiffany lamp during the winter, patterns of the sun coming through a glass pattern... Try it! It's easier than you think. Classes begin June 24 and 25 for six weeks. Only \$30.00-supplies extra.

**Craftech is your Father's Day Gift Giving Headquarters!**

Balloon bouquets with matching mugs, frame classes, t-shirts, hats and more.  
Call 939-3252 today!

**Live Comedy Tomorrow Night**

Three top live comics appear at the Wreck Center on June 13. Show contains adult humor. Reservations recommended by June 12. Enjoy beverage specials during show and dance to your favorite tunes with DJ following the laughter. Active duty military are FREE, retired and family members are \$3.00 and DoD/community are \$5.00. Get your discounted advance sale tickets at the Wreck Center. For details, call the Wreck Center at 939-8660.

**Looking for a "Byte" of Savings**

Computer treasures await at the Wreck Center on Sunday, June 22 from 1:00 m. to 5:00 p.m. at the indoor computer swap meet. Open to all. Sellers, simply call 939-8660. Only \$10.00-military, \$15.00-DoD and \$20.00-community. Call 939-8660 today!

**Get Wet and Wild at Family Nights**

Try it-you'll like it! Held every Thursday evening from 7:00 p.m. to 9:00 p.m. at the Community Pool. All ages enjoy swimming, food, family games and FREE grill use for all! Fee: Daily Pool Fee or Use Your Pool Pass. For details, call 939-2334.

**Wanna' be catered to?**

We deliver your dinner pool-side and provide swimming, water games and even water basketball. Play in the pool and meet new people on a terrific summer night, Monday-Friday from 6:30 p.m. to 8:00 p.m. Food served between 5:30 p.m. and 8:00 p.m. from the Wreck Center pool-side menu. All ages and families welcome! Pay Daily Pool Fee or Use Your Pool Pass. Military are FREE. Meals sold separately. Call 939-2334.

**Mark Your Calendar and Celebrate in Style**

The "cool" place to be this 4th of July is the Community Pool from 1:00 p.m. to 7:00 p.m. Enjoy a full day of fun and festivities which include pool games, dunk tank, DJ

with the latest tunes, hot dogs, hamburgers, snacks and more... FREE for all authorized customers and community customers pay only \$6.00 per person. Kids 6 and under are FREE. For details, call 939-8660.





## Skytop's Stan Miller kept looking elsewhere, but is now into year No. 42

By Kathi Ramont  
Staff Writer

For a guy who tried real hard for a long time to get away from the desert, Stan Miller didn't do a very good job of it. Miller, a mathematician working at Skytop, has been on the job at China Lake now for 41 years. And while he said that eventually he'll retire, right now he's still having too much fun to leave.

"My wife, Irene, and I have decided that we're only one day away from anywhere in the United States," he said. "So we'll stay here."

Miller graduated from Oakland High School in Oakland, Neb., in 1950, and received his associate's degree from Luther College in Wahoo, Neb., in 1952. He continued his education at Bethany College in Lindsborg, Neb., where he graduated cum laude with a bachelor's of science degree in mathematics in 1954.

From September 1954 until June 1956, Miller worked at Logan County Hospital in Sterling, Colo., maintaining the perpetual inventory for the pharmacy and supply room, ordering supplies and performing timekeeping duties for 115 employees. "The people at the hospital kept asking me why I was working there when I had a degree in mathematics, so eventually I went looking for a position more suited to my educational training."

Miller applied for a position at the then Navel Ordnance Test Station and began his career as a junior professional on June 4, 1956, as a GS-5 mathematician in the Process Analysis Section of the Quality Control Branch, Test and Evaluation Division, Propellants and Explosives Department. "It was 41 years ago today," he said during a quiet morning interview held in the China Lake Propulsion Laboratory's cafeteria, "that I ate my first meal in this same cafeteria after I'd processed in. In those days it was open 24 hours a day and there were people everywhere and trucks rolling in constantly."

"I remember that first month or so I was here. I didn't like the desert, or the work, or my boss. But I didn't have any money to leave, so I stayed," he said laughingly. In June 1957 Miller was promoted to GS-7



**DESERT SURVIVOR**—Stan Miller, from Skytop, celebrated 40 years of work at China Lake one year ago June 4, when he received a certificate and pin from Bill Ball of the Pacific Ranges and Facilities Department.

while working for L. H. Nowak in the Weapons Reliability Branch, Test and Evaluation Division, Propellants and Explosives Department. In 1959 an organizational realignment took place with Miller now working in the Analysis Branch.

He decided it was time for a change of scenery, and in September 1959, Miller began a year's leave of absence to return to school to pursue a master's degree in mathematics at Iowa State College in Ames, Iowa. During this time, Miller searched for work outside of the government, but no one would pay him what he was currently earning, and they all suggested he return to China Lake.

Miller returned as a GS-11 in June 1960. He again hit the road and went back to Iowa State College in September 1961 to continue work on his degree. "I never did receive that degree," he explained. "I developed ulcers and had to spend 30 days in the hospital. I decided then that the higher degree wasn't

worth it."

Miller received his promotion from GS-11 to GS-12 in August 1963. On July 1, 1967, Miller was here to witness the change of China Lake from NOTS to the Naval Weapons Center (NWC). "I still remember that day," he said.

During this time period Miller received a letter from a woman he had worked with at the hospital in Colorado—a woman he hadn't talked to in all the time he worked there. "I was very naive about girls," he said with a smile. Apparently some of the people from that workplace had had a reunion, and they all wondered where "that quiet guy went to." Someone knew someone else who knew someone who had his address and Irene—yes, Irene—wrote to find out how he was doing. Two years later they married. In 1974 the Millers took in an orphaned teenage nephew and 9-year-old niece and raised them. "It was a very educational experience," he said. "They don't teach you how

to raise kids in school."

While employed in the Quality Assurance Division (Code 453), Miller received a Sustained Superior Performance Award from Crill Maples, his division head, for his continuing efforts to develop and maintain data acquisition and reduction software in support of the Trident program—an effort that required many hours to be worked outside of the normal work schedule.

On Oct. 1, 1976, Miller became one of the original members of the Range Department. It was one of two departments created from the reorganization of the Propulsion Development Department.

In November 1977 Miller was assigned to train two electronic technicians in operation of the Skytop data acquisition system. He had been responsible for the operations of this system since the incumbent had retired in May 1977. According to Maples, his efforts contributed to the success of the Trident and Polaris programs.

In June 1979, the Quality Assurance Division of the Range Department became known as the Ordnance Test and Evaluation Division. Miller received his third Sustained Superior Performance Award for developing new software programs and modifying existing programs to meet customer needs without impacting test schedules.

Miller has also "survived" several other organizational changes in his career, including the most recent when NAWCWPNS stood up in January 1992. The competency aligned organization in 1994 moved Miller organizationally to the Pacific Ranges and Facilities Department, Data Processing and Displays Division, Data Services Branch.

"I'm working in a consulting status now," he said, "mentoring the younger employees." Despite all of these changes, one fact has remained the same—Miller has spent nearly his entire civil service career in support of propulsion and related testing at the Skytop facilities.

During his free time Miller keeps active walking at least 30 minutes every day—an exercise program he credits the former Wellness Program with motivating him to do—reading comic books ("the light stuff") and needlepoint ("great stress relief").

## SEEKER from Page 1

view is also provided. These capabilities, Quist states, "add flexibility to any mission by allowing a missile-retargeting option in mid-flight."

Another feature of the seeker is the absence of inertial sensors as an integral part of the seeker. Conventional seekers contain internal inertial sensors—typically two to three gyros, which contribute significantly to the seeker's cost—that track the seeker's position in inertial space. Ball-joint-gimbal technology, however, uses inertial rate data from the fixed inertial measurement unit inside the missile. These data are forwarded to the seeker and used to stabilize the system and its image.

In FY96, the Office of Naval Research and Office of the Chief of Naval Operations approved funding for an advanced technology demonstration, which was successfully completed, and the team is now working on improving the prototype.

Throughout the effort, the team divided the funding and work equally between China Lake and TI. China Lake engineers were responsible for the gimbal and stabilization vector—the optics path from the target to the seeker, which must stay stationary on the imager—and the signal-processing algorithms to control the gimbals. TI engineers built the array sensor and developed the signal-processing algorithms associated with the sensor's images. TI is now considering applying ball-joint-gimbal technology to other areas as well, such as solid-state laser radar.

On the success of the effort, Quist says, "This is one of the few times in my career that I think something I'm doing will make it to the fleet."

Lloyd says, "Through this effort, we were able to merge the best of our infrared sensor work with the best of China Lake's stabilization sensor work."

So, can a government-industry partnership be successful? You betcha.



**CL TEAM** members include (l-r) Randy Coleman, Brian Wolfe, Bill Wight, Quist, Don Christison and Carl Zorzi. Not shown is team member Phil Bowen.

## INTERNET from Page 7

Refer to Memorandum 700000D/045 of Sept. 9, 1996, "Home Pages on the NAWCWPNS Network," for details.

Any existing non-"well known services" TCP/IP port usage by your organization should be reported to these points of contact.

Additional security measures to improve the protection will be added in the future. However, you will be given advanced notice before any action is taken.

An electronic copy of this article, previous *Rocketeer* articles on network information and the home page memorandum will be available on the ISSM WORKSTATION at CL Mainsite or on the Security Home Page at <http://129.131.102.118/Security>.

Technical questions may be directed to Bruce Lowry at 939-3257 and security questions may be directed to Ron Backman at 939-8526. Both are available on QuickMail.

# NAVY HOTLINE

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or call the Inspector General at:  
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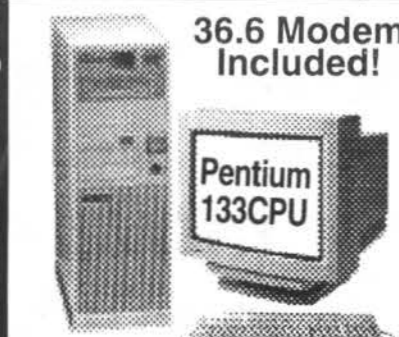
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Continued from previous page

Sharon J. Wright,  
Mission and Sensors Division  
Presented in recognition of your technical excellence and outstanding performance as a radar systems engineer, and your successful leadership of radar systems development, notably the APG-73 Radar Upgrade for the F/A-18. Your past and continuing technical and managerial contributions to the Navy are greatly appreciated.

**L.T.E. Thompson Award**  
This award is based on an individual's outstanding contribution to the advancement of ordnance toward the fulfillment of NAWCWPNS and to the forces of the U.S. Navy. It may be given for a single outstanding achievement or for continued excellence of performance. It was established in 1956 and pays tribute to the accomplishments of China Lake's first technical director.

Robert T. Hintz,  
Avionics Technology Office  
In recognition of your initiative and innovative concepts to implement science and technology networks and your many years of science and technology leadership at the Weapons Division.

William A. Hutmacher,  
Weapons Targets Integration Division  
In recognition of your outstanding technical contributions to, and leadership of, the Sidewinder Program and design teams that have clearly benefited the Sidewinder Team and are recognized worldwide.

Jan David Janiec,  
Fuze Projects Office  
For your active participation in planning the future of Navy fuze systems, and your successful endeavor to bring together diverse and competing activities on the Standard Missile Program. You are a superb professional who is ready to meet the challenges of the future with the mission of the Navy at the center of your focus.

Dr. Douglas John Sticht,  
Systems Engineering Management  
You have, over your impressive career, championed the development and integration of electronic warfare capabilities that have delivered increased warfighting survivability for the fleet. Your ability to bridge from R&D concepts to the demanding challenge of producing highly integrated end products will continue to bring honor to yourself, NAWCWPNS and the Navy.

Thomas R. Zulkoski,  
Joint Direct Attack Munitions Program  
In recognition of your outstanding contributions to ordnance management; specifically, TACIT RAINBOW, Standard Missile and Joint Direct Attack Munitions (JDAM) programs. Your leadership in, and aggressive and innovative implementation of acquisition streamlining initiatives are significant factors leading to the recognition of JDAM as a leader in the acquisition reform initiatives.

**Memorial Award for Dr. William B. McLean**  
This award recognizes an employee who has demonstrated exceptional creativity through significant inventions. Selection for the award is based on the originality and significance of the invention to the mission of NAWCWPNS. It was established in 1968 and pays tribute to Dr. William B. McLean, technical director at China Lake from 1954 to 1967.

George N. Hennings,  
Fuze Development Section  
Presented in recognition for your achievements as an international leader in the design and evaluation of low energy Exploding Foil Initiators, also known as "slapper detonators." Your accomplishments have significantly advanced the state-of-the-art of ordnance components. You should take great pride in your contribution.

Gary A. Ozunas,  
Advanced Systems Section  
In recognition of your superior technical knowledge and creative abilities that have served as a basis for laser-guided weapons in the U.S. Navy and have given our armed forces pinpoint accuracy of ordnance for the last 20 years.

Dr. Michael D. Seltzer,  
Materials Characterization Section  
In recognition of your work on real time analysis of toxic metal emissions, resulting in a Cooperative Research and Development Agreement that facilitates technology transfer. Continuous Emissions Monitoring (CEM) has gained attention as a dual use technology. The technical insight, creativity and dedication you demonstrate are key to the development of this promising technology. Your contributions to the CEM technology and pollution prevention are highly regarded and greatly appreciated.



**McLEAN AWARD**—Presenter Sterling Haaland, George Hennings, Michael Seltzer and RAdm. Jack Chenevey. Not shown: Gary Ozunas.

# Enterprise network's Internet firewall protection begins Monday

By Bill Shaner  
Information Systems Security

Finally, after a year of promises, and much blood, sweat and tears, we are about to turn on the Firewall protection for the Internet at China Lake. When? Believe it or not, on Monday, June 16. The plan is to start restricting the services that will be allowed to access our enterprise network.

For years the NAWCWPNS Enterprise Network was pretty secure, relatively speaking. We had earned the respect of the Navy's professional hackers. However, with the ever-increasing number of Internet-capable computers within the NAWCWPNS Enterprise Network, the task is growing too large to effectively manage through those efforts alone. Therefore, there are some additional measures that will be implemented to maintain or to increase our network security.

Additionally, the Chief of Naval Operations, in a naval message titled "Guidelines for naval use of the Internet," stated, in part: "4. Information systems security guidelines: (a) all naval information systems with servers (including web servers) which are connected to unclassified publicly accessible computer networks such as the Internet, will employ appropriate security safe-

guards (such as firewalls) as necessary to ensure the integrity, authenticity, privacy and availability of a command's information system and its data." The full text of this message can be seen at <http://www.chinalake.navy.mil/guidelines.html>.

The first additional security measure will be a "firewall" applied between the internal network and the Internet. What is a firewall? Well, actually, it's nothing more than another computer. A firewall computer has a special version of the Unix operating system with all of the non-essential parts of the system removed. The remaining portion of the operating system has had all of the known security weaknesses fixed. Along with the secure operating system, a number of programs (daemons in Unix-talk), called proxies, are run, one for each well known service on the Internet (www, FTP, TELNET, etc.).

How will this impact your ability to do your job? If we have done our homework correctly, there will be no impact on how you work. What will happen is that outsiders will only be able to use TELNET, world wide web (www), SMTP, File Transfer Protocol (FTP),

Domain Name Server (DNS), POP3 and KERBEROS sessions to access our network. The strict limit on the services is because of the resources needed to provide proxies for each service authorized. The above list represents the most popular and common services used by our outside friends.

What the proxies do is act as a "go-between" between the client application out on the Internet someplace and the service housed within the NAWCWPNS Enterprise Network. As an example, if someone outside wants to download a file using FTP, he sends it to the requesting client. The request is intercepted by the firewall FTP proxy. The proxy analyzes the request to check for "bad things" and then, in turn, requests the file from the host computer. The host computer sends the file to the proxy, who in turn again, sends it to the requesting client.

Another task of the firewall machine is to act as a filter for TCP/IP packets. Because of the way TCP/IP was designed, each packet carries information about the address of the computer making the request for service, the address of the intended host computer,

the type of service being requested and a myriad of other pertinent data. One of the best attributes of a firewall is that you can look at this data and just throw the packets into the "bit bucket" if they come from someone who you don't want inside your network. The requesting client merely gets nothing back, so it assumes the machine is unreachable and tells the user that. All transactions to and from the Internet will be logged by the firewall and will be analyzed for security purposes.

The firewall will remain transparent to internal NAWCWPNS Enterprise Network users. Internal users will still be able to visit any site that they can currently. You can think of it as a hinged gate that only opens out (or for the more technically-minded, like a diode). Outside users will be denied direct access to internal NAWCWPNS services.

To maintain a NAWCWPNS presence on the Internet, a set of Internet servers will be placed "outside" of the firewall to continue to serve our external customers. There will be a World Wide Web server, a File Transfer Protocol server, a Domain Name server and a USENET (Network News) server. Internal users who are hosting www servers or FTP servers will have to move their material to the "outside" systems in the near future.

Please see **INTERNET**, Page 15

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**HOUSING** from Page 1

Ingelside Navy Base in Texas, where there isn't enough space available for Navy members' families, it becomes more apparent that the Navy needs to prioritize its limited funding to support its most critical housing needs.

What exactly are the changes in our Housing Program?

As part of a periodic review of local housing needs for the station, a housing survey was conducted by the Navy Facilities Engineering Command (NFEC) San Diego, OPNAV's West Coast Housing sponsor. The survey utilized standard Department of Navy criteria to evaluate the suitability and availability of local area housing, defined as an area within 60 minutes commute from the base. The survey was completed in March 1997 and resulted in a recommendation that "no married family housing was required at China Lake," as adequate housing was available in the area. In response to this recommendation, I worked with NFEC to put in place a compromise plan. This compromise plan eliminates the 327 Capehart B units (near Burroughs High School), while renovating and retaining the 172 Capehart A units (near the golf course) as Junior Enlisted Housing, and completing renovation of the 20 Senior Officer Quarters (SOQs) for our Emergency Essential Personnel (COs, XO's, OINCs, CMCs, etc). The Capehart A "Neighborhoods of Excellence" renovation program will occur in Fiscal Years 1998 and 1999, and the Capehart B units will be demolished in Fiscal Years 1999 and 2000.

As a result of this plan, on June 1, our Capehart A units were re-designated for E5 and below personnel and

assignments to Capehart B were terminated in preparation for the planned demolition. Personnel currently residing in base housing will not be displaced by this new assignment policy, although the scheduled renovation project in Capehart A will require some families to move to new on-base quarters as the renovation is initiated in their present homes. The specific details of the renovation plan have not been finalized, so when and how many displacements will occur is unknown at this time. Effective June 1, newly assigned E6 and above personnel arriving at China Lake are required to find accommodations off-base in the civilian economy.

When viewed from our local level, there are obviously impacts that result from the implementation of this new policy. Today, Capehart A has enlisted personnel on the west side, CPOs in the middle and officers on the east side of the housing area. As we make assignments to Capehart A of our newly assigned junior enlisted personnel, we will have more intermingling among the ranks. This temporary situation will require significant sensitivity and leadership on the part of all our Navy people here at China Lake, and I will count on everyone to help carry out this transition with true professionalism.

Additionally, to assist newly arriving personnel, the Station must bolster our Housing Referral Program in an effort to make this shift to civilian housing off-base as smooth as possible. This, too, is being undertaken, including receiving assistance in this area from the experts in San Diego who deal extensively in these programs.

Establishing this new policy has not been an easy

choice, but it is one that I believe satisfies the often conflicting need to meet the financial constraints facing our Navy today and the needs of our Navy personnel. Since March we have discussed in detail the best way to implement this change, knowing that housing at China Lake has been an important "quality of life" ingredient to assignment to this high desert test facility. I have opted to sustain on-base housing for our junior enlisted personnel who might be most adversely affected financially by the change to civilian housing, as well as those emergency essential personnel required to live on base. We will make these changes in our housing program as smooth and painless as possible for our current and future residents.

I know that rapid changes in a program as significant as base housing are potentially upsetting for many of our personnel. I am aware of this and will make every effort to see that as few unanticipated changes as possible actually occur for our present personnel. I want to repeat that all Navy personnel presently living in base housing will continue to do so for the duration of their tour here at China Lake. The major changes will effect those coming to China Lake.

While keeping in mind the present and future budget restraints that are not of our making, but that we must live with, I am open and desirous of any constructive suggestions any of you may have regarding our housing programs. And I also want to thank all of our Navy families who make China Lake such a great place to live and work.

**CONTROL ROOM** from Page 1

The cost of upgrading each separate control room is prohibitive compared to the cost of building a single centrally located control room to serve all the intermediate size mixers and the curing ovens. In addition, labor can be saved by a single "safe person" monitoring the activities of more than one process team from a properly equipped central control room. This saving enhances NAWCWPNS' competitive position and lowers sponsor costs.

"It's a continuing effort to modernize," added Eric Saiken, acting head of the Propulsion Branch. "These other mixer buildings are of the Flash Gordon era. They were built shortly after World War II. This new control room will give us a unified state-of-the-art control. We've got to modernize this area to be able to serve the Navy in the next century."

The central control room concept was developed with members of the user group. The design was accomplished by a Public Works engineering design team led by Pat Warden. Phil Wager from the Naval Facilities Engineering Service Center, Point Hueneme, performed structural calculations to certify that the reinforced concrete building would withstand the blast energy of up to 750 pounds of class 1.1 propellant or explosive detonating at one of the nearby mix sites and that the structure would protect personnel from blast pressure.

Steve Cooper and his colleagues from the Environmental Projects Office surveyed the construction site and issued a categorical exclusion letter of approval from the environmental point of view.

Ken Olson, the Arms, Ammunition and Explosives siting coordinator in the Weapons Department, assembled the site documentation for submittal to the Department of Defense Explosive Safety Board for site and safety certification. Stu Breil and his staff in the Capital Procurement Program (CPP) Office lobbied long and hard to get the funding reclassified to minor construction within the CPP program and in time to get the building finished within this fiscal year.

The Ordnance Support Section is responsible for construction under a \$175,000 minor construction CPP budget. Heseman has the overall task of seeing that the control room is built safely by Sept. 30, using only the available funding. His team consists of Steve Lovren, Kevin Patterson, B. J. Winterly, Bud Gregory and Don Lane. The building is 20-feet wide by 28-feet long, with a ceiling that slopes from 9 feet 6 inches to 10 feet 4 inches high. It requires 64 yards of concrete and 12,000 feet (about eight and one half tons) of number six reinforcing steel, which is three-fourths inch in diameter.

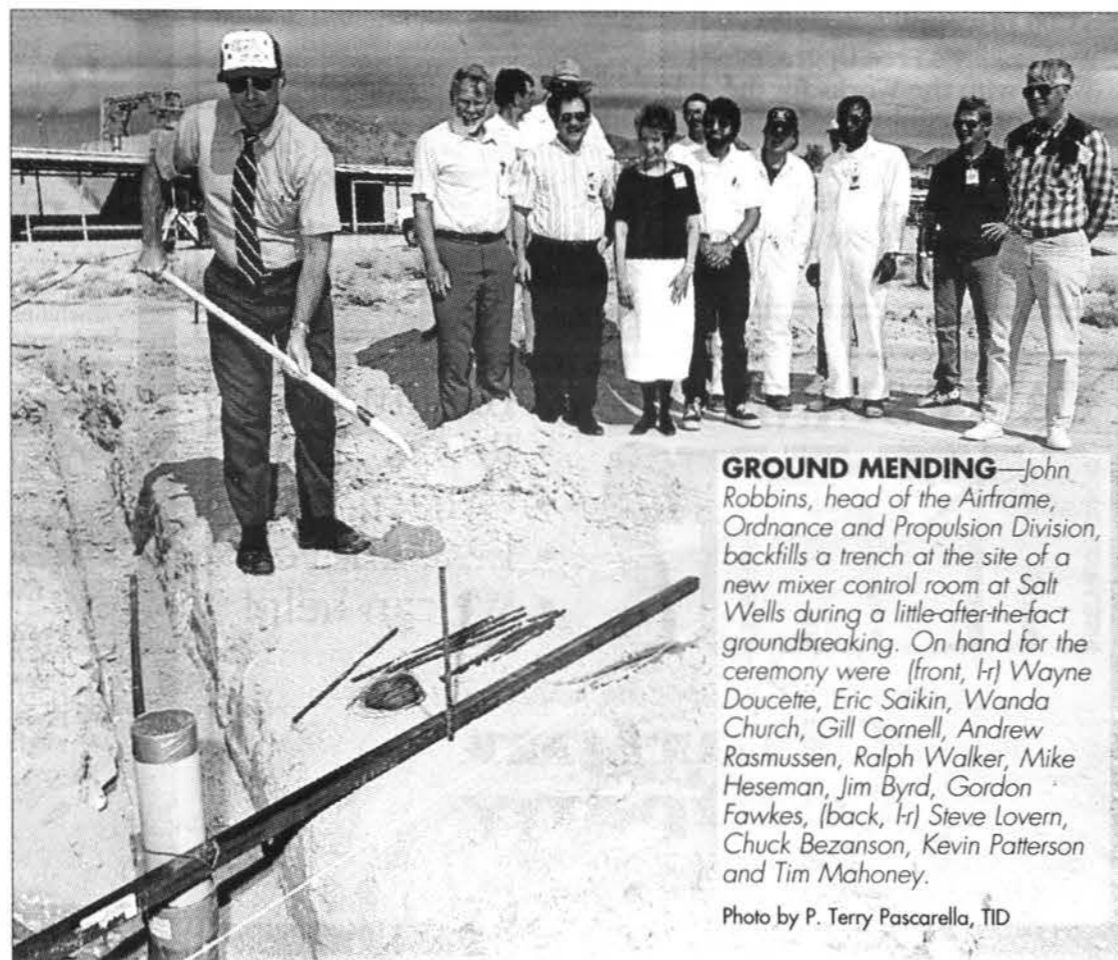
Personnel from Day Zimmerman, the Public

Works transportation contractor, leveled, filed and compacted the site to form the pad on which the control room is being built.

Gill Cornell, head of the Ordnance Processing Section, offered his vision for new process controls. "With additional sensors to measure mixing parameters and computerized data logging, we can move from "black magic" toward science in making new energetics (propellants

and explosives). Network links will let us monitor processing from our offices, homes or while on travel."

In a second year of a two-year project schedule, control, sensor and communications wiring will be connected to each of the mix sites and to the oven sites. The control room is being served by a fiber optic network cable for remote monitoring of process operations and electronic data transmission.



**GROUND MENDING**—John Robbins, head of the Airframe, Ordnance and Propulsion Division, backfills a trench at the site of a new mixer control room at Salt Wells during a little-after-the-fact groundbreaking. On hand for the ceremony were (front, l-r) Wayne Doucette, Eric Saiken, Wanda Church, Gill Cornell, Andrew Rasmussen, Ralph Walker, Mike Heseman, Jim Byrd, Gordon Fawkes, (back, l-r) Steve Lovren, Chuck Bezanon, Kevin Patterson and Tim Mahoney.

Photo by P. Terry Pascorella, TID

contributions resulted in the introduction of a series of new capable versions of Standard Missile to the fleet.

**Ralph M. Gierut,**  
**Systems Engineering Management**

In recognition of your outstanding service as the primary engineer and expert on the EA-6B support jamming system. Your technology work in electronic warfare systems designs and countering threats ensures that the EA-6B will be a force multiplier for the next two decades. Your technical expertise and leadership brings the utmost credit to yourself, NAWCWPNS and the Navy.

**Robert A. Harriman,**  
**Data Processing and Displays Division**

This award is in recognition of your management and leadership skills in support of NAWCWPNS and the Pacific Ranges and Facilities (PR&F) Department. As the lead/primary author for the PR&F Department and T&E Competency's CAO Transition Plan, and through your membership on the Warfighter Study Team and the Business Recovery Team, you have made outstanding contributions to the Navy and T&E community that are greatly appreciated.

**Dr. Daniel C. Harris,**  
**Materials Synthesis Section**

This award is presented in recognition of your numerous technical contributions to the science and technology base and to the weapons programs at NAWCWPNS. Particularly noteworthy are your contributions on the ONR materials programs on IR domes and your consulting role for all DoD

optical materials and windows programs. Your contributions towards the development of thermal shock and impact resistant, and optically transparent materials are highly regarded and greatly appreciated.

**Richard D. Johnson,**  
**Systems Engineering Management**

In recognition of your contributions to the development and support of the Hornet Weapon System, which have run the spectrum from detailed engineering to strategic planning. Your personal dedication and technical expertise have earned you an unmatched reputation throughout the F/A-18 Team and the Navy and will ensure the lethality, survivability and supportability of the F/A-18 for years to come.

**Paul D. Knight,**  
**Metric and Time Space Position Indicator Division**

Presented in recognition of your outstanding technical contributions and leadership of the Metric & TSPI Division. Your technical leadership led to significant improvements in instrumentation development; and your managerial competence led to sound department outsourcing strategies, strategic planning recommendations, and to the Range Applications Joint Program Office Logistics IPT, Range Commanders Council and the corporate team. Your exceptional contributions are greatly appreciated.

**Carl B. Lindsey, Advanced Technology Applications Office**

Presented in recognition of your unique combination of technical knowledge, span-

ning both RF and IR guidance and control concepts, and your sponsor-recognized ability to assemble and lead a very talented technical team. Your contribution has significantly improved the state-of-the-art in Missile Guidance and Control Technology.

**William H. McBride Jr.,**  
**Effectiveness Analysis Section**

In recognition of your significant contributions to NAWCWPNS and the fleet in the areas of weapon effectiveness, system and mission level analysis, defense suppression and the development of a threat vault to house automated threat data bases.

**Michael L. Mumford,**  
**Special Projects Office**

Your painstaking attention to detail has earned you high regard from your peers. Your innovative thinking and analytical skills have often contributed to the success of the NAWCWPNS projects in which you have participated. The latest example of your notable contributions is the Navy

Theater Ballistic Missile Defense Phase 2 Cost Operational Effectiveness Analysis, Endo/Exo Concept Definition study. You should take great pride in your contributions which reflect favorably upon the capabilities of NAWCWPNS and the Navy.

**Scott J. Weed,**  
**Theater Missile Defense Projects Office**

Your motivational leadership, clear focus and outstanding organizational skills make you a recognized and highly successful member of NAWCWPNS' technical community. Your most recent achievements are best exemplified by your capable and competent guidance of the Risk Assessment Panel of the Theater Ballistic Missile Defense Cost Operational Effectiveness Analysis Team. You should take great pride in your contributions and accomplishments, which bring recognition to the technical community and reflect favorably upon NAWCWPNS and the Navy.

Continued on Page 14



**THOMPSON AWARD**—Sterling Haaland, Tom Zulkoski, Bill Hulmacher, J. Dave Janiec and RAdm. Jack Chenevey. Not shown: Robert Hintz and Douglas Sticht.

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- Maxtor 3.5GB 83500A EIDE hard
- USRobotics PalmPilot RAM, 1MB Professional upgrade 10200U, PalmPilot 14.4 modem, v.42 bis compression 10201U
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## Awards: Keeping the Weapons Division at the forefront of technology

Some said they were surprised, one said he was flabbergasted, but all of those honored at the Michelson Laboratory, L.T.E. Thompson and Dr. William B. McLean awards ceremony on Wednesday, June 4, said that they owed their award to their co-workers, family and the technical opportunities offered at the Weapons Division. "The san-do spirit and the small size of the community really make your co-workers seem like family," said one of the awardees.

RAdm. Jack Chenevey, NAWCWPNS commander, and Sterling Haaland, executive director, presented the awards and congratulations to the following 22 individuals.

The statement following each name is from the citations read at the ceremony.

### Michelson Laboratory Award

This award was established in 1966 to recognize individuals for technical excellence based on outstanding performance of individual duties and is complementary to the L.T.E. Thompson Award. It is granted for individual outstanding effort and professional excellence to the end that they represent significant achievement in the areas of management and leadership that result in the bringing of singular recognition to the individual and furthers the mission of NAWCWPNS. It is also granted for individual effort and excellence in the technical aspects

of the work of the Weapons Division that represents outstanding achievement with a specific technical problem and represents the individual's singular efforts in overcoming technical difficulty, enabling the division to arrive at significant levels in ordnance development, test and evaluation.

### Elbert W. (Bill) Bailey, Evolved Sea Sparrow Missile Project Office

Presented in recognition of your individual accomplishments and professional excellence in the areas of technical management and leadership. The many projects in which you have been involved throughout your 30 years at China Lake are evidence of your consistent outstanding contributions to

NAWCWPNS and the Navy.

### Thomas L. Boggs, Engineering Sciences Branch

In recognition of your outstanding contributions and accomplishments in engineering sciences management. In particular, your management and technical leadership of basic and applied research for propulsion sciences and the combustion and detonation of energetic materials has been instrumental in establishing NAWCWPNS' outstanding reputation in these areas.

### Paul R. Decker, Systems Engineering Management

Presented in recognition of your technical leadership and innovation in weapon system integration. Specifically, your technical leadership in weapon system integration to the next generation of multi-service aircraft has distinguished you both locally and nationally. During your career, your ability to manage from task inception to successful end has furthered the mission of NAWCWPNS and the Navy.

### Roberto M. Garcia, Defense Test and Evaluation Professional Institute

In recognition of your outstanding leadership and accomplishments in Surface Warfare Systems Test and Evaluation. You are recognized and respected in the Surface Warfare community and have been a key member of the Standard Missile team. You are a pioneer in identifying customer satisfaction as the key element in the test and evaluation process. Your significant



Photos by Mike Johnson, TID

**MICHELSON AWARD**—Awardees of the Michelson Laboratory Award are (back row, l-r) Paul Decker; Mike Mumford; Robert Harriman; Carl Lindsay; Richard Johnson; Scott Weed; Dan Harris; NAWCWPNS Commander RAdm. Jack Chenevey; (front row, l-r) Sterling Haaland, presenter; Paul Knight; Ralph Gierut; Bill Bailey; Bill McBride and Sharon Wright. Not shown: Thom Boggs, Roberto Garcia and Dan Harris.

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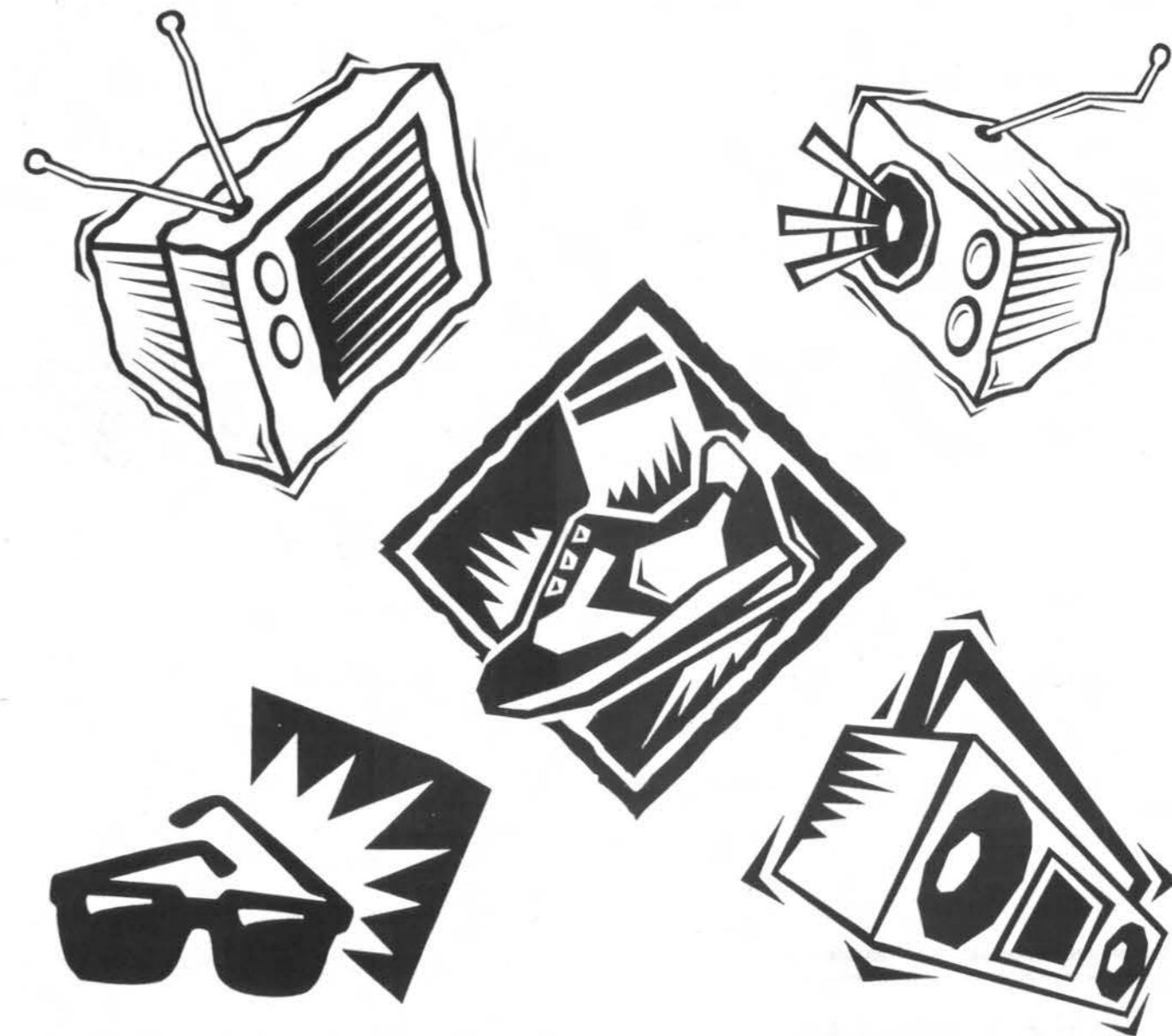
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If you've been holding off buying that TV, mini stereo system, or those Nikes...next weekend is the weekend to buy and save big too! For every \$50 worth of stuff you buy, June 21-22, you'll get a \$5 savings coupon good toward more cool stuff the next time you shop.



**What a deal... At your NAWS China Lake Navy Exchange!**

# Castle X offers camping, rafting trips, karate and more for local teens

By Barry McDonald  
Editor

With the grand opening just completed, Castle X, MWR's new teen center, has launched into a comprehensive schedule to keep its wards busy during their summer break. Karate and Jujitsu classes have already begun, and a trip this Saturday to Magic Mountain for boys and girls 12-15 is the first of five scheduled over the next three months. Others include a baseball game and shopping, camping and rafting and a trip to Medieval Times.

Capt. Stan Douglass, NAWS CO; AOCM (SW) Bill Willis, command master chief; and LCdr. Patrick J. McCormick, command chaplain, participated in the opening ceremonies last Wednesday.

They cut a silver chain to clear the entrance, then performed a cake-cutting ceremony and toured the facility led by MWR Director Alonzie Scott and other MWR managers. The staff also provided a fine spread of hors d'oeuvres and sweets for the grand opening crowd. Local band, "Enjoy the Surface," performed throughout the afternoon.

Located in the former Youth Center building, between Craftech and Bowling Center at the corner of Richmond Road and King Street, the medieval castle

theme runs throughout the furnishings of the facility with an 8-foot dragon on one wall, an armory (equipment room), a dungeon (game room), wizard's den (manager's office) and round table (kitchen).

Most of the building is the sports court, predominantly basketball, but it will be used for a variety of activities and classes. The dragon's lair (stage area) holds a ping pong table and one pool table, with another pool table and various video games in the dungeon.

There's a TV room and a computer for games and homework, when that becomes necessary again, and they hope soon to have it connected to the Internet.

Replacing The Vault as home to the teen center, Castle X is available for member teens (grades 6-12) and their guests to drop in Monday through Friday.

Membership includes free access to the games, sports court and other activities during regular open hours and reduced rates on the special events and programs. Annual membership cost, which includes 15 free visits per month (afterwards, 50 cents a day), is \$25 for military and \$30 for DoD civilians and contractors. Guests, limited to one per day, pay \$1 a day.

Regular summer hours are Monday through Friday, 10 a.m. to 6 p.m., with



Photo by Barry McDonald

**GRAND OPENING**—After a brief opening ceremony, Capt. Stan Douglass, NAWS CO, and a couple of eager youth cut the chain that blocked the entrance to Castle X. LCdr. Patrick J. McCormick, command chaplain, asked a blessing for the facility, and the CO welcomed the waiting hoard of youngsters, urging them to use the facility safely, but to have fun. Waiting in the depths of the facility are Castle X Manager Teresa Cosgrove (left) and MVWR Director Alonzie Scott (center). Command Master Chief AOCM(SW) Bill Willis (right) was also on hand for the festivities.

Saturdays open free to military families from 10 a.m. to 4 p.m. The castle will be closed on the Fourth of July.

A Monte Carlo Night and All-Night Marathon are also planned in June with a

variety of other classes and events spread throughout the summer. To find out more, stop by for a brochure and summer calendar, or call 927-TEEN (8336) or 939-6884.

# Tech Library News 'n' Tools

By Bob Bloudek  
Information Systems Administrator  
http://chikiclib.chinalake.navy.mil

Each workday morning around 6 a.m., the daily edition of the "Commerce Business Daily" is downloaded to the Technical Library Fileserver. This server is located in the CL Mainsite AppleTalk zone; and the CBD files are located in the "Commerce Business Daily" folder. These are rather large files and are maintained on the server for five working days. The following instructions explain how to connect to the server and how to download the software necessary to access the electronic CBD.

For assistance, please contact Bob Bloudek, Tech Library Information Systems administrator, at 939-0926 (DSN 437-0926).

### Technical Library fileserver access

- Under the Apple Menu, select chooser.
- Click on Appleshare.
- The AppleTalk zone to select is CL MAIN-SITE.

- Scroll down to Tech Library Fileserver.
- Log on as a "guest."
- Select the Tech Library Fileserver.

### Access to the electronic "Commerce Business Daily"

- Open the Tech Library Fileserver icon.
- Open the "Commerce Business Daily" folder.
- Copy the Action-CBD folder to your desktop.

## Electronic Commerce Business Daily now available via the Tech Library fileserver

(Five files in the folder should copy over.)

• Copy the individual CBD issue to your desktop. The issue files are named by date — for example, the w970508.NFO file is the CBD for May 8, 1997; the w970502 file is for May 2, 1997. Do not change the .NFO extension.

• Once these files are copied to your desktop, close the Tech Library Fileserver and remove it from your desktop (drag the icon to the trash).

### To open the electronic "Commerce Business Daily"

- First open the Action-CBD folder.
- Open the Action-CBD file.
- Once the Action-CBD software is open, from under the file menu, select open.
- If not already there, select desktop.
- Select the .NFO file you just downloaded to your desktop.

- The CBD issue will open.
- Use the query button to search the issue.
- When finished, simply select quit from under the file menu.
- Close the Action-CBD folder.
- Drag the .NFO file to the trash.

Note: The Action-CBD folder can remain on your desktop or you can move it to your hard drive.

More detailed instructions on using the Action-CBD software are available. Contact the library's information hub at 939-3389 (DSN 437-3389).

# Fourth of July reminder: Fireworks banned aboard NAWS China Lake

By James A. Ayers  
Fire Prevention Chief

Planning your Fourth of July celebration? Keep in mind that Independence Day means more than "the right to pop off." Please refrain from using fireworks. The Fire Division at NAWS China Lake wants to remind everyone that the use of all types of fireworks is dangerous and also prohibited in all areas of NAWS China Lake. This includes the "safe and sane" fireworks available in Kern County.

Hand-held sparklers are the number one cause of fireworks injuries among children under 10 years of age and have been added to the list of fireworks that are illegal in California. This prohibition does not include toy pistols and other devices using paper caps.

In many localities, powerful rocket-type fireworks and firecrackers are illegal. That means the ones you buy may have been manufactured clandestinely, without careful attention to quality control.

Each year hundreds of children and teens are injured when a firecracker blew up the instant it was lighted — or when a bottle rocket misfired and flew off sideways, striking a bystander. There's no amount of care in using fireworks that can make up for the danger of malfunction.

For a Fourth that's both safe and exciting, why not attend the professional fireworks display sponsored by the City of Ridgecrest at the fairgrounds. These shows are staged by trained and licensed professionals, using carefully manufactured and inspected fireworks. Not only is your local official fireworks display safer than doing it yourself, it's also far more spectacular than anything you could do in the backyard.

Even at "professional" displays, certain cautions are in order. At a small display it's important that the people who are staging it know what they are doing. If you're close enough to them to see what they're up to, you're more than close enough to be injured if they make a mistake.

Fireworks are dangerous...too dangerous to use yourself and sometimes not entirely safe even in professional hands. Enjoy the Fourth this year firewisely — at a festive, well-run display operated by experienced pros using name-brand commercial grade fireworks.

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**No. 454-013-PW7, (1) Supervisory Interdisciplinary (Electronics Engineer/Physicist/Mathematician/Computer Scientist), DP-855/1310/1520/1550-3, EW Division, Warning Systems Branch, Code 454200D—Area of Consideration:** Current appointable civilian employees of NAWCWPNS. **Opening Date:** 6-12-97. **Closing Date:** 6-26-97. **Duty Station:** China Lake. **Selecting Official:** Susan Hynds, (805) 989-4018. **HRD Contact:** Pat Ward, (760) 939-1346. **Permanent Change of Duty Station Authorization:** No. **Summary of Duties:** The incumbent will perform as Deputy, Warning Systems Branch, which provides the resources and expertise required to design, develop, and provide in-service engineering for electronic warfare airborne tactical warning systems and subsystems for use in airborne platforms. This branch is responsible for both hardware and software engineering. Duties of the position include providing (1) first level supervision for multidisciplinary scientists, engineers, and technicians; and (2) the personnel, processes, facilities, and equipment required to implement the design and development, upgrade, or redesign of radar warning systems. The position requires experience and expertise in warning systems hardware and software, RF technology, threat analysis and technique development, and electronic warfare suites. **Technical Quality-Ranking Factor:** Knowledge of electronic warfare radar warning systems hardware and software, airborne platforms, interface and integration of avionics systems/subsystems, and associated technology and techniques. **Supervisory Quality-Ranking Factor:** Knowledge of affirmative action principles, including a willingness to implement EEO practices, policies, and procedures. **DAWIA Quality-Ranking Factor:** 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. Incumbent must be able to obtain and maintain a Secret clearance. Promotion potential to DP-4 but not guaranteed.

**Notes 2, 3, and 4 apply.**

#### NATIONWIDE/CURRENT APPOINTABLE CIVILIAN EMPLOYEES

**No. 4B-001-RP7, Research Chemist, DP-1320-3, Code 4B3100D—Area of Consideration:** Current appointable civilian employees nationwide. **Opening Date:** 6-12-97. **Closing Date:** 7-10-97. **Selecting Official:** J.M. Hoover, (760) 939-1645. **HRD Contact:** Robert Peoples, (760) 939-8120. **Permanent Change of Duty Station Authorized:** Yes. **Summary of Duties:** This position is located in the Combustion Research Section, Engineering Sciences Branch, Research & Technology Group. Incumbent will formulate and execute interdisciplinary research, development, and hazards assessment programs addressing energetic compounds/materials and weapon systems safety engineering. The incumbent will perform the synthesis, characterization, and formulation of energetic ingredients, and will transition research efforts to scale-up and testing programs. 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 Insensitive 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 Weapon System Explosives Safety Review Board in 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 energetic materials research, development, testing, and evaluation (RDT&E), and weapon system safety engineering. This energetic materials RDT&E and systems safety engineering is part of national and international efforts to provide revolutionary improvements in the performance of propellants, explosives, and pyrotechnics while meeting all other desirable attributes such as reduced hazards, signature, cost, and environmental impact; improved mechanical properties and aging stability; and ease of fielding, platform integration, demilitarization, reuse, and disposal. **Quality-Ranking Factor:** Knowledge of energetic materials research and development, and weapons safety systems engineering (selectee should be a nationally and internationally known expert in energetic materials and weapons safety system engineering); ability to perform energetic materials and polymers design, synthesis, and characterization

based on understanding of physical and synthetic chemistry, and combustion/detonation phenomena; ability to develop and utilize system safety principles to evaluate, analyze, and identify hazards associated with the design, tests, instrumentation, and systems operation; ability to conduct system safety hazard analysis, fault tree analysis, and IM THA to support the fielding of weaponized energetic materials. 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. Incumbent must be able to obtain and maintain a Secret Clearance. Promotion potential DP-3. **Note:** Previous applicants need not reapply. **Note 4 applies.**

#### NAVYWIDE/CURRENT APPOINTABLE CIVILIAN EMPLOYEES

**No. 30-001B-TS7, Supervisory Interdisciplinary Engineer (Supervisory Mechanical Engineer, DP-830-4/Supervisory Electronics Engineer, DP-855-4/Supervisory Aerospace Engineer, DP-861-4), Logistics Competency, Logistics Management Department Code 310000D/E—Area of Consideration:** Current appointable civilian employees Navywide. **Opening Date:** 5-29-97. **Closing Date:** 6-28-97. **Selecting Official:** David Adams, (805) 484-6465 (DSN 351-6465). **HRD Contact:** Terry Smith, (805) 989-3322 (DSN 351-3322). **Permanent Change of Duty Station Authorized:** Yes. **Summary of Duties:** The incumbent serves as the Head of the Logistics Management Department. The position can be physically located at either the Point Mugu or the China Lake site. He/she supervises and directs operations, products, and services of the Logistics Management Department in order to provide specially trained and skilled personnel for assignment as local logistics team leaders to NAWCWPNS cognizant weapons, target, and other programs Integrated Program Team (IPT), Product Support Team (PST), or Externally Directed Team (EDT) throughout the weapon systems life cycle. Ensures that department personnel have the skills to provide site team leadership for financial budgeting and execution of assigned tasks; to provide the planning, development, acquisition, integration, and delivery of all Integrated Logistics Support (ILS) elements in order to design, support, and maintain highly complex missile, target and conventional weapon systems; to provide affordable readiness and total cost accessing; to analyze and evaluate numerous sources of maintenance data to determine systems status; and to forecast, predict, and implement corrective actions in order to achieve the highest degrees of maintainability, supportability, reliability, and safety within program affordability constraints. Interprets guidance and policies from higher headquarters and develops local methods and procedures consistent with overall objectives of the Logistics Competency Site Manager and NAVAIR TEAM Logistics Management Department Head. Works closely with the Logistics Competency Site Manager to formulate, identify, and budget for required resources necessary to enable the department to successfully complete all assigned goals, tasks, and objectives. Allocates available resources and tracks execution of budgets, expenditures of work hours, and other critical measures of business activity to determine earned value for investments. **Quality-Ranking Factor:** Knowledge of Naval Airborne weapons and targets acquisition and in-service logistics management policy, objectives, processes, and procedures. **Supervisory Quality-Ranking Factor:** Ability to supervise and manage a large dual site and multilayered organization providing acquisition and in-services logistics management services for Domestic/Joint and FMS missile, target, and conventional weapon system programs; apply EEO/affirmative action principles in making personnel/employment decisions; and ability to communicate and effectively deal with others. (3) **DAWIA Quality Ranking Factor:** Ability to meet the mandatory experience, education and training requirements of the Career Development Program for the Level III Acquisition, Logistics Career Field in accordance with DOD Manual 5000.52M within 18 months of entering the position. (This is a Critical Acquisition Position.) The incumbent will be required to obtain and maintain a Secret clearance. **Note:** A supplemental narrative addressing your qualifications to each quality-ranking factor is HIGHLY RECOMMENDED. This position will be filled from either Merit Announcement No. 30-001A-TS7 or Merit Announcement No. 30-001B-TS7. **Notes 2 and 4 apply.**

**REASSIGNMENT OPPORTUNITIES**

**No. 472-012-GB7, Supervisory Interdisciplinary (General/Mechanical/Electrical/Electronics Engineer/Physicist), DP-801/830/850/855/1310-4, Code 472400D—Area of Consideration:** NAWCWPNS. **Duty Station:** China Lake. **Opening Date:** 6-12-97. **Closing Date:** 6-26-97. **Selecting Official:** Dave Janiec, (760) 939-2504. **HRD Contact:** Gail Bigelow, (760) 939-8113. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** This position is located in the Guidance and Control Division, Fuze and Proximity Sensors Branch. The incumbent serves as Head, Fuze & Proximity Sensors Branch and will be responsible for a multidisciplinary organization consisting of approximately 63 scientists, engineers, and technical and administrative support personnel. The branch provides the people, processes and facilities necessary to support engineering efforts associated with the technology, development, in-service engineering and integration of components specifically designed for the primary purpose of fuzing, or the integration of fuzing functions with guidance sensors and ordnance components. Incumbent must have the ability to interface with IPTs and EDTs and understand their requirements, and must work effectively in a management team with a corporate perspective. The incumbent must be able to obtain and maintain a Top Secret clearance. Full performance level is DP-4. **Note:** Interested candidates should send an updated application to Gail Bigelow, Code 731000D. **Notes 2, 3, and 4 apply.**

**No. 30-001A-TS7, Supervisory Logistics Management Specialist, DP-346-4 (GS-14/15 equivalent), Logistics Competency, Logistics Management Department, Code 310000D/E—Area of Consideration:** Current appointable civilian employees navywide. **Opening Date:** 5-29-97. **Closing Date:** 6-28-97. **Selecting Official:** David Adams,

(805) 484-6465 (DSN 351-6465). **HRD Contact:** Terry Smith, (805) 989-3322 (DSN 351-3322). **Permanent Change of Duty Station Authorized:** Yes. **Summary of Duties:** The incumbent serves as the Head of the Logistics Management Department. The position can be physically located at either the Point Mugu or the China Lake site. He/she supervises and directs operations, products, and services of the Logistics Management Department in order to provide specially trained and skilled personnel for assignment as local logistics team leaders to NAWCWPNS cognizant weapons, target, and other programs Integrated Program Team (IPT), Product Support Team (PST), or Externally Directed Team (EDT) throughout the weapon systems life cycle. Ensures that department personnel have the skills to provide site team leadership for financial budgeting and execution of assigned tasks; to provide the planning, development, acquisition, integration, and delivery of all Integrated Logistics Support (ILS) elements in order to design, support, and maintain highly complex missile, target and conventional weapon systems; to provide affordable readiness and total cost accessing; to analyze and evaluate numerous sources of maintenance data to determine systems status; and to forecast, predict, and implement corrective actions in order to achieve the highest degree of maintainability, supportability, reliability, and safety within program affordability constraints. Interprets guidance and policies from higher headquarters and develops local methods and procedures consistent with overall objectives of the Logistics Competency Site Manager and NAVAIR TEAM Logistics Management Department Head. Works closely with the Logistics Competency Site Manager to formulate, identify, and budget for required resources necessary to enable the department to successfully complete all assigned goals, tasks, and objectives. Allocates available resources and tracks execution of budgets, expenditures of work hours, and other critical measures of business activity to determine earned value for investments. **Quality-Ranking Factors:** **Technical Quality-Ranking Factor:** Knowledge of Naval Airborne weapons and targets acquisition and in-service logistics management policy, objectives, processes, and procedures. **Supervisory Quality-Ranking Factor:** Ability to supervise and manage a large dual site and multilayered organization providing acquisition and in-services logistics management services for Domestic/Joint and FMS missile, target, and conventional weapon system programs; apply EEO/affirmative action principles in making personnel/employment decisions; and ability to communicate and effectively deal with others. (3) **DAWIA Quality Ranking Factor:** Ability to meet the mandatory experience, education and training requirements of the Career Development Program for the Level III Acquisition, Logistics Career Field in accordance with DOD Manual 5000.52M within 18 months of entering the position. (This is a Critical Acquisition Position.) The incumbent will be required to obtain and maintain a Secret clearance. **Note:** A supplemental narrative addressing your qualifications to each quality-ranking factor is HIGHLY RECOMMENDED. This position will be filled from either Merit Announcement No. 30-001A-TS7 or Merit Announcement No. 30-001B-TS7. **Notes 2 and 4 apply.**

#### REASSIGNMENT OPPORTUNITIES

**No. 472-012-GB7, Supervisory Interdisciplinary (General/Mechanical/Electrical/Electronics Engineer/Physicist), DP-801/830/850/855/1310-4, Code 472400D—Area of Consideration:** NAWCWPNS. **Duty Station:** China Lake. **Opening Date:** 6-12-97. **Closing Date:** 6-26-97. **Selecting Official:** Dave Janiec, (760) 939-2504. **HRD Contact:** Gail Bigelow, (760) 939-8113. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** This position is located in the Guidance and Control Division, Fuze and Proximity Sensors Branch. The incumbent serves as Head, Fuze & Proximity Sensors Branch and will be responsible for a multidisciplinary organization consisting of approximately 63 scientists, engineers, and technical and administrative support personnel. The branch provides the people, processes and facilities necessary to support engineering efforts associated with the technology, development, in-service engineering and integration of components specifically designed for the primary purpose of fuzing, or the integration of fuzing functions with guidance sensors and ordnance components. Incumbent must have the ability to interface with IPTs and EDTs and understand their requirements, and must work effectively in a management team with a corporate perspective. The incumbent must be able to obtain and maintain a Top Secret clearance. Full performance level is DP-4. **Note:** Interested candidates should send an updated application to Gail Bigelow, Code 731000D. **Notes 2, 3, and 4 apply.**



## NAVAL AIR WARFARE CENTER WEAPONS DIVISION ANNOUNCEMENTS



### ALL NAWCWPNS SITES GENERAL ANNOUNCEMENTS

#### XEROX COPIER MAINTENANCE CONTRACTS

The Information Management Department's Acquisition Support Branch (Code 721200E) has a consolidated contract for maintenance and repair of Xerox (only) copiers for Point Mugu and China Lake. The copier must be on the contract for on-call service. This is not a mandatory contract, but was initiated to provide primary or alternative service support. An administrative fee will be added to the monthly charge.

Code 721200E is currently in the process of preparing the new FY98 purchase order to include any new additions to the contract. It is anticipated that the period of performance will be effective from 1 October 1997 through 30 September 1998. Requests to be included in the purchase order must be submitted by 30 July 1997. The deadline is firm.

The next opportunity to be placed on the contract will be in January 1988.

To add a copier to the contract, contact Jim Reynolds at Point Mugu (Code 721200E), (805) 989-3626 (DSN 351-3626). The alternate contact is Linda Dailey at China Lake (Code 721200D), (760) 939-7283 (DSN 437-7283).

#### TSP RATES OF RETURN

TSP rates of return were

	C Fund %	F Fund %	G Fund %
Last 12 months:	25.02	1.49	6.97
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 Open Season runs through 31 July. Changes are effective at the beginning of the first pay period in July (6 July). TSP-1s are available from your Administrative Office or from HRD. Updated pamphlets have been mailed and you should have received one.

TSP now has a web site: "www.tsp.gov". Here you will find current TSP interest rates and downloadable publications and forms.

The interest rate for loans approved in May is 6.875%. For funds to be disbursed in June, the complete package must reach the TSP Service Office by 5 June.

Account balances will be available through the ThriftLine after the seventh business day of the month. Call them at (504) 255-8777.

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

#### SCHOLARSHIPS FOR MAIL HANDLERS HEALTH INSURANCE ENROLLEES AVAILABLE

If you are enrolled in Mail Handlers health insurance, you had to pay a fee to become an associate member of this postal union. If you are an associate member and have been for at least 2 years, your dependents may qualify to apply for educational scholarships they sponsor.

Qualified applicants must (1) be a legal dependent of the member, (2) have graduated or will graduate (current semester from an accredited high school or attending an

#### 1997 INFORMATION TECHNOLOGY SYMPOSIUM

Boeing will be presenting an Information Technology Symposium at China Lake on Tuesday, 24 June, from 0800-1130 at Mich Lab, Room 1000D, and at Point Mugu on Wednesday, 25 June, from 0800-1130 at the Point Mugu Training Center, Bldg. 366, Room 104A. Dr. Fred Fath, Director of Technology Assessment for the Boeing Company, will be the guest speaker.

Due to proprietary data, this symposium is limited to Government personnel, Boeing employees, and Boeing team members.

#### Agenda

##### 0800

- Technology Forecast Update 97
- Total Cost of Ownership
- Application Construction
- Parallel High Available Computing
- Security
- Collaboration Technology
- Year 2000 Issues

##### 1030

- Boeing Information Infrastructure
- Intranets
- Web
- Services
- Security
- Relationship to Navy IT-21

##### 0915

- Network Centric Computing
- Technologies
- Issues
- Recommendations

For further information, contact Kim Small at (760) 499-5947.

#### UNIVERSITY OF TENNESSEE MASTERS DEGREE PROGRAM

The summer term for the University of Tennessee Space Institute (UTSI) master's degree program began on 5 June; the last day registration will be accepted at Tullahoma, Tennessee is 30 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 of 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. Bontadelli (UTK)
EM 536	Project Management. By: Dr. Claycombe (UTK)
EM 542	Design of Experiments. By: Dr. Hailey

For more information, text titles, or 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.

accredited college), (3) have maintained a grade point average of 2.5 or above in academic subjects, and (4) have been accepted at an accredited institution of higher education or presently attending college.

Applicants must provide transcripts, write an essay, and provide letters of reference, etc.

For more information, call Peggy Topham at Point Mugu, 989-3323, or Leora Fields at China Lake, 939-2018. We will send you an announcement from Mail Handlers with more details and information on how to request the application. The application and all required documentation must be postmarked by 11 July.

## CHINA LAKE

## BC/BS REPRESENTATIVE TO VISIT CHINA LAKE

The Blue Cross/Blue Shield (BC/BS) service representative will be at China Lake on Tuesday, 17 June. At that time, you can obtain answers to questions about your coverage and receive help with any related problems. Be sure to bring all pertinent documentation. The representative will be at the Training Center from 0800 to 1100 and 1230 to 1430. The BC/BS representative is also available by email at usbccsv@ibmmail.com.

If you have any questions, contact Leora Fields at 939-2018.

## MAMMOGRAPHY SCREENING

The Wellness Program (Code 731000D) will sponsor a mammography screening for NAWC/NAWS-China Lake employees and their spouses. Valley Technological Services (VTS) will have their mobile mammography unit in front of the Administration Building on 16 and 30 July. The cost of the x-ray exam is \$65. Participants must be at least 35 years old to participate unless referred by a physician. VTS is accredited by the American College of Radiology.

To schedule an appointment, call (800) 458-3385.

## 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.

## HEPATITIS "C" SUPPORT GROUP

The Employee Assistance Program (EAP) at China Lake recently began a Hepatitis Support Group, which meets weekly on Center. Anyone interested in participating or wanting further information can contact Bernard Maki, Group Facilitator, at the EAP Office at 939-2480.

On 25 March, USA Today reported that "almost 4 million Americans are carrying a little-known, sometimes deadly disease, and most of them don't know it. Hepatitis 'C' virus can be acquired years before it causes symptoms and may lead to debilitating fatigue, cirrhosis, liver cancer, and/or death. Doctors can't predict with certainty how it

will progress in any individual but about 80% of patients with this virus develop chronic liver disease. This disease may be mild and progress slowly or be serious and

progress rapidly. Only about 25% of the individuals infected respond to even the best treatments available. There is no vaccine."

## POINT MUGU

## CIVILIAN EMPLOYEE ASSISTANCE PROGRAM (CEAP)

Getting help when you have a problem can be a problem. Do you know there is someone you can talk to if you or someone in your family is having difficulties? CEAP services are free and 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 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 at NAG R1233@AOL.com.

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).

## RETIREMENTS AND FAREWELLS

## DR. LLOYD SMITH

Dr. Lloyd Smith, Code 471J00D, is retiring after 33 years of federal service. An unconventional retirement dinner party will be held in his honor at the Kerr McGee Center on 19 June at 1830. Tickets are \$25 per person and will include dinner catered by Food for Thought. A no-host wine and cocktail bar will be available and beer will be provided by Lloyd. For tickets, presentations, and donations, contact Cherie Seavey at 939-3518 or Diana Feist 939-3416 by 16 June.

## CHRIS SUTTON

Chris Sutton is retiring after 8-1/2 years of federal service. A luncheon will be held in his honor at La Pasta Grill on 19 June at 1115. For reservations or information, contact Denise Ritchie (Code 457A00D) at 939-5553, or Laura Brice-Foster (Code 457D00D) at 939-5640 by 17 June.

BILL DYKEMA  
JIM McMANIS

Bill Dykema and Jim McManis, both with 32 years of federal service, have retired. A combined retirement party will be held in their honor at Farris' at the Heritage on Thursday, 19 June. A social hour with hors d'oeuvres will begin at 1730 with presentations beginning at 1830. The cost is \$10 per person. For presentations, contact Linda Miller at 371-4690 or Scott Smith at 927-2136. For tickets or gift donations, contact Fran Jorgensen at 939-1033 or Linda Sorensen at 939-5683 by 16 June.

## JAMES M. O'BANNON

James M. O'Bannon, Code 471300D, is leaving China Lake after 6 years of federal service. A farewell luncheon will be held in his honor at La Pasta Grill on 19 June at 1130. For reservations and/or presentations, contact April Morphis at 939-1368.

## EMBRY-RIDDLE AERONAUTICAL UNIVERSITY OFFERS CLASSES AND A DEGREE PROGRAM AT CHINA LAKE

Embry-Riddle Aeronautical University (ERAU) offers programs leading to a master's degree in Aeronautical Science with a Management focus or a bachelor's or associate's degree in Professional Aeronautics.

ERAU offers five 9-week terms each year and credit is available for military experience, making your educational goals easily achievable. The next term begins the week of 4 August.

ERAU also offers teaching opportunities for those interested in sharing their knowledge. Contact the ERAU office for details.

A representative is available on Mondays, Tuesdays, and Wednesdays from 0900 to 1630 for registration and counseling at the Family Service Center, Office B. For more information, call 927-3649 or email: China\_Lake\_Center@cts.db.erau.edu

Proximity Sensors Branch. The incumbent serves as Head, Fuze and Proximity Sensors Branch and will be responsible for a multidisciplinary organization consisting of approximately 63 scientists, engineers, and technical and administrative support personnel. The branch provides the people, processes and facilities necessary to support engineering efforts associated with the technology, development, in-service engineering and integration of components specifically designed for the primary purpose of fuzing, or the integration of fuzing functions with guidance sensors and ordnance components. Incumbent must have the ability to interface with IPTs and EDTs and understand their requirements, and must work effectively in a management team with a corporate perspective. **Quality-Ranking Factors:** Knowledge of the weapons acquisition process, weapon systems and components (proximity fuze experience preferred, but not required), and technology base development; knowledge of affirmative action principles, including a willingness to implement EEO practices, policies, and procedures; and 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. The incumbent must be able to obtain and maintain a Top Secret clearance. Full performance level is DP-4.

Notes 1, 2, 3, and 4 apply.

## ALL APPOINTABLE ELIGIBLES

**No. 82-083-JJ7, Recreation Assistant, DG-189-1/2, Morale, Welfare and Recreation Department, Code 860000D—Area of Consideration:** All appointable eligibles. **Opening Date:** 6-12-97. **Closing Date:** 6-26-97. **Selecting Official:** D. Lucia, (760) 939-8662. **HRD Contact:** S. Hauser, (760) 939-2883. **Permanent Change of Station Authorization:** 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 Microsoft Word, Filemaker Pro and Excel for the Macintosh; and knowledge and experience with recreational programming. Promotion potential to DG-2, but not guaranteed. **Note:** Previous applicants need not reapply. **Note 1 applies.**

**No. 82-085-JJ7, Recreation Assistant, DG-189-1/2, Morale, Welfare and Recreation Department, Youth Activities, Code 868000D—Area of Consideration:** All appointable eligibles. **Opening Date:** 6-12-97. **Closing Date:** 6-26-97. **Selecting Official:** M. Carver, (760) 939-3097. **HRD Contact:** S. Hauser, (760) 939-2883. **Permanent Change of Station Authorization:** 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 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; working knowledge of Microsoft Word, Filemaker Pro and Excel for the Macintosh. Promotion potential to DG-2, but not guaranteed. **Note:** Previous applicants need not reapply. **Note 1 applies.**

## NAWCWPNS/CURRENT APPOINTABLE CIVILIAN EMPLOYEES

**No. 454-014-GW7, (1) Supervisory Interdisciplinary (Electronics Engineer/Physicist/ Mathematician/ Computer Scientist), DP-855/1310/1520/1550-3, Avionics Department, EW Division, Warning Systems Branch, Code 454200E—Area of Consideration:** Current appointable civilian employees of NAWCWPNS. **Opening Date:** 6-12-97. **Closing Date:** 6-26-97. **Duty Station:** Point Mugu. **Selecting Official:** Susan Hynds, (805) 989-4018. **HRD Contact:** Gina Weatherford, (805) 989-3301. **Permanent Change of Duty Station Authorization:** No. **Summary of Duties:** The incumbent will perform as Deputy, Warning Systems Branch Head of the Missile Warning and Electronic Support Measures Section, which provides the resources and expertise required to design, develop, and provide in-service engineering for Electronic Warfare airborne tactical missile warning and electronic support measures systems and subsystems for use in airborne platforms. This branch is responsible for both hardware and software engineering. Duties of the position include providing (1) first-level supervision for multidisciplinary scientists, engineers, and technicians, and (2) the personnel, processes, facilities, and equipment required to implement the design, development, upgrade, or redesign of missile warning systems and electronic support measures systems. The position requires experience and expertise in warning and support systems hardware and software, RF/EO/IR technology, threat analysis and technique development, and Electronic Warfare suites. **Technical Quality-Ranking Factor(s):** (1) Knowledge of Electronic Warfare missile warning and electronic support measures systems hardware and software, airborne platforms, and techniques. **Supervisory Quality-Ranking Factor:** Knowledge of affirmative action principles, including a willingness to implement EEO practices, policies, and procedures. **DAWIA Quality-Ranking Factor:** 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. Incumbent must be able to obtain and maintain a Secret clearance. Promotion potential to DP-4 but not guaranteed. **Notes 2, 3, and 4 apply.**

**No. 454-015-GW7, (1) Supervisory Interdisciplinary, (Electronics Engineer/Physicist/Mathematician/ Computer Scientist), DP-855/1310/1520/1550-3, Avionics Department, EW Division, Surveillance Systems Branch, Code 454500E—Area of Consideration:** Current appointable civilian employees of NAWCWPNS. **Opening Date:** 6-12-97. **Closing Date:** 6-26-97. **Duty Station:** Point Mugu. **Selecting Official:** Dan Moretti, (805) 989-3505. **HRD Contact:** Gina Weatherford, (805) 989-3301. **Permanent Change of Duty Station Authorization:** No. **Summary of Duties:** The incumbent will perform as Deputy, Surveillance Systems Branch, which provides the resources and expertise required to design, develop, and evaluate advanced surveillance and electronic warfare (EW) airborne systems, subsystems, and suites for use in the EA-6B and other dedicated surveillance and EW airborne platforms. The branch is responsible for both hardware and software engineering. Duties of the position include providing (1) first-level supervision for multidisciplinary scientists, engineers, and technicians, and (2) the personnel, processes, facilities, and equipment required to design, develop, and evaluate advanced surveillance and EW systems and suites. The position requires experience and expertise in EW and surveillance systems hardware and software, RF/EO/IR technology, modeling and simulation, threat analysis, and countermeasures and surveillance techniques. **Technical Quality-Ranking Factor:** Knowledge of EW technologies, countermeasures, warning, and surveillance systems, modeling and simulation, surveillance and EW systems hardware and software, airborne platforms, interface and integration of avionics systems/subsystems, and associated technology and techniques. **Supervisory Quality-Ranking Factor:** Knowledge of affirmative action principles, including a willingness to implement EEO practices, policies, and procedures. **DAWIA Quality-Ranking Factor:** 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 Secret clearance. Promotion potential to DP-4 but not guaranteed. **Notes 2, 3, and 4 apply.**

## 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 must be submitted 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 servicing 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/command.
  - 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.

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

15-16 September; Monday-Tuesday, 0800-1600; Training Center, China Lake. By: Teri Mahaney, Supertrainer

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

To enroll, call Lori Ryser-Warrick at 939-2686.

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

15-18 September; Monday-Thursday, 0800-1600; Training Center, Point Mugu. By: Communications Skills Company, Inc.

**Note:** This course is designed for personnel in the technical community and is required for Junior Professional Program participants hired in FY97 and SEDP personnel entering the SEDP in FY96.

This course is designed to prepare the participant 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, research project, etc.

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).

**SATELLITE COMMUNICATION (8 hrs.)**

16 September; Tuesday, 0800-1630; Training Center, China Lake.

18 September; Thursday, 0800-1630, Training Center, Point Mugu.

By: ADAMY Engineering

This is a practical course that presents technical insight into satellite communication. The scope of the course

ranges from applications to orbits, to system design to performance calculations. It describes hardware, software, and processes in graphical rather than mathematical terms. In addition, easy-to-use formulas, nomographs, and calculation techniques that allow the tradeoff of application constraints, such as information rates versus link performance, will be addressed. In-class exercises will be used to calculate performance in two realistic communication satellite applications.

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

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).

**CAREER PLANNING WORKSHOP (16 hrs.)**

16-17 September; Tuesday-Wednesday, 0800-1630; Training Center, China Lake. By: Marion Lapan

This workshop introduces the participants to key job change and enrichment strategies. Participants will identify personal interests and strengths and analyze their current job 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 Dorothy Wiederhold, Code 733000D. For further information, call 939-2359 (DSN 437-2359).

**TEAM DEVELOPMENT TRAINING (16 hrs.)**

16 and 23 September; Tuesday, 0800-1600; Training Center, Point Mugu. By: Jace Overgaauw, Skopos Consulting.

**Note:** This class will meet on two consecutive Thursdays.

Successful teams work as hard on their group dynamics and team processes as they do on the tasks they

have been assigned. Working together cohesively and effectively can be a challenge. This course provides the basic ingredients to set up and maintain an effective and productive team. As organizations begin to depend on effective teamwork to achieve results in constantly changing environments and markets, the tools and processes used by teams to perform successfully become increasingly critical. This course provides a highly interactive and enthusiastic learning experience for intact and cross-functional teams, and individual participants who desire to strengthen their ability to understand and influence teamwork.

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).

**NAVY SYSTEMS ACQUISITION (32 hrs.)**

23-26 September; Tuesday-Friday, 0800-1600; Training Center, Point Mugu. By AMI

**Note 1:** This is a required course for SEDP enrollees. **Note 2:** This class fulfills the DAWIA requirement for ACQ101 for a Level 1 certification or subsidiary career field.

This class was designed to provide the participants with a comprehensive understanding of how the Department of the Navy (DON) conducts systems acquisition. The course introduces participants to the system acquisition environment in the federal government, Department of Defense (DOD), and DON. Building on that fundamental knowledge, DOD and DON system acquisition policy and procedures are discussed specifically. The course focuses on the unique way that the DON is organized to conduct systems acquisition. Case studies allow the participants to apply many of the concepts, principles, and procedures described during classroom presentation. The course gives the student the essentials of program definition and planning, acquisition strategy, and funds management including DOD and congressional activities, contracting, cost, and schedule monitoring and reporting, and the organizational execution of the program.

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).

**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 Telmar 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****Jacqueline Davis, Code 4734D0D**

Jacqueline is recuperating from major surgery.

**Kimberly Zurn, Code 471300D**

Kim is caring for her daughter who requires treatment at Children's Hospital of Los Angeles.

**Sandy Watson, Code 335000D**

Sandy is caring for her husband, who is waiting for a kidney and pancreas transplant.

**Robyn Gregory, Code 834100D**

Robyn has a medical condition that causes chronic pain.

**Barbara Snyder, Code 240000D**

Barbara is on maternity leave.

**Sonya McWilliams, Code 200000D**

Sonya is on maternity leave.

**Karen Yates, Code 418200D**

Karen suffered a back injury as the result of a car accident.

**Pat Hamlin, Code 761100D**

Pat is undergoing extensive physical therapy because of a stroke.

**Darrell Ferguson, Code 462000D**

Darrell is recovering from amputation of his right leg caused by complications of diabetes.

**Nathan "Stu" Hannah, Code 834400D**

Stu is caring for his wife, who has end-stage kidney failure and diabetes.

**Kelly Newton, Code 460000D**

Kelly has complications caused by her pregnancy.

**Jenny Hazlewood, Code 474500D**

Jenny has complications caused by her pregnancy.

**Stan Wertenberger, Code 528300D**

Stan is recovering from extensive back surgery.

**Al Dorfman, Code 841300D**

Al is recovering from back surgery.

**POINT MUGU****William H. Mills, Code 532520E**

William is recovering from bypass surgery.

**Lucia Nava, Code 4KK300E**

Lucia is on maternity leave.

**Wanda Lewis, Code 457300E**

Wanda is under a doctor's care.

**Carroll Paul McDuffie, Code 475200E**

Carroll is recovering from treatment of a degenerated spinal disk.

**Janet Alvarez, Code 8F0000E**

Janet is under a doctor's care.

**Gloria McGraw, Code 471V00E**

Gloria is recovering from surgery.

**J. Fay Blunt Ingersoll, Code 529110E**

Fay is undergoing chemotherapy and procedures at UCLA for cancer treatment.

**Rosie Robledo, Code 837000E**

Rosie is under a doctor's care—maternity leave.

**Juanita Grant, Code 236000E**

Juanita is recuperating from knee replacement surgery.

**Anita Retome, Code 455330E**

Anita is caring for her daughter, who is under a doctor's care.

**CIVILIAN PERSONNEL DIVISION NEWS****MERIT PROMOTIONS****CHINA LAKE**

No. 41-011-RF7, Resource Specialist, DA-301-1, Research and Engineering Competency, Systems Engineering Department, Survivability Division, Systems Vulnerability Branch, Code 418300D—Area of Consideration: NAWCWPNs China Lake. Duty Station: China Lake. Opening Date: 6-12-97. Closing Date: 6-19-97. Selecting Official: Al Wearer, (760) 927-1249. HRD Contact: Robert Fitzpatrick, (760) 939-8117. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent will be responsible for all procurement actions and inventory control for the Weapons Survivability Laboratory (a remote test site located on the north range), requiring market research studies for all branch acquisitions. The incumbent will purchase supplies and materials and arrange for equipment to be procured and delivered in a timely manner to ensure critical WSL test programs stay on schedule. Must coordinate purchases to most efficiently meet customer requirements and to keep up with changing procurement policies and regulations. Primary duties include identifying critical requirements and specifications; performing market research; determining procurement method; preparing justifications and specifications if required; submitting and following through on 9-Part Stubs, SPEDI, Bank Card, UDAPS (Uniform Automated Data Processing System), and Defense Logistics Agency (DLA) Federal Supply System purchases according to procedures and policies of the Federal Acquisition Regulation (FAR). Additional duties include reviewing usage data to determine WSL general stock replenishment, and making recommendations for revising stocked items and quantities; making recommendations on hazardous materials procurement, ensuring proper Material Safety Data Sheet information is filed at the WSL and that procurements are made according to NAWCWPNs policy; and functioning as primary WSL information technology (IT) contact, maintaining WSL records on IT equipment and software custody and location, and providing 418000D Division Information Systems Security Officer (ISSO) with computer system updates and changes.

**Quality-Ranking Factor:** Knowledge of the Navy and NAWCWPNs Supply Systems and procedures and the simplified procurement process to purchase supplies on the open market in accordance with applicable laws and regulations including the FAR. Selectee must be a warranted SPEDI ordering officer and government Bank Card holder. Promotion Potential to DA-3. **Note 1 applies.**

No. 471-012-GB7, Senior Office Manager, DG-303-3, Weapons/Targets Department, Weapons/Targets Integration Division, JSOW Project Office, Code 471J00D—Area of Consideration: NAWCWPNs China Lake. Duty Station: China Lake. Opening Date: 6-12-97. Closing Date: 6-26-97. Selecting Official: Lloyd Smith, (760) 939-3518. HRD Contact: Kay Behrmann, (760) 939-2736. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent provides office management and administrative support to the JSOW Project Office (IPT). Responsibilities include, but are not limited to, receiving calls and visitors; using composition skills to originate correspondence; reviewing all project office correspondence for format, grammar and content; processing and electronic retrieval of messages; maintaining the calendar for the project director and deputy project director; time keeping; travel arrangements and voucher processing; credit card purchases and billings; security clearances; visit requests; ADP security accreditation and encryption key custodian for secure network; and classified document control using the SMATS application. Incumbent must be able to prioritize workload to meeting rapidly changing requirements, deal effectively with all levels (military and civilian) in a team environment including government and contractor personnel. The incumbent will demonstrate initiative, discretion, and independent judgment in making decisions. The incumbent will act with the full authority of the project director and the deputy project director on scheduling their time and office operations. Incumbent must have the ability to work in a team environment, be self-motivated, and effectively interface with a highly diverse team operating as a project office. **Quality-Ranking Factors:** Skill in composing nontechnical correspondence, operating

Microsoft Office, FileMaker, SMATS, and calendar/scheduling applications on Macintosh computer. The incumbent must be able to obtain and maintain a Secret clearance. Full performance level of this position is DG-3.

No. 472-010-GB7, Office Manager, DG-303-1/2, Code 472310D, Guidance and Control Systems Division, Dynamics and Control Section—Area of Consideration: NAWCWPNs China Lake. Duty Station: China Lake. Opening Date: 6-12-97. Closing Date: 6-26-97. Selecting Official: Don Blake, (760) 939-1654. HRD Contact: Kay Behrmann, (760) 939-2736. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent serves as the office manager for the Dynamics and Control Section. Responsibilities include coordinating travel arrangements (foreign as well as CONUS) for Section personnel; preparing travel orders and vouchers; preparing timesheets; maintaining correspondence; reviewing correspondence for format, grammar, and content; and maintaining plant account records. **Quality-Ranking Factors:** Knowledge of Macintosh computers and required software (Excel, PowerPoint, Word, and Filemaker Pro). Knowledge of DOD and NAWCWPNs correspondence and secretarial policies and procedures. Ability to plan and coordinate travel arrangements. Full performance level is DG-2. **Note 1 applies.**

**NAWCWPNS ALL FOUR SITES**

No. 472-011-GB7, Supervisory Interdisciplinary (General/Mechanical/Electrical/Electronics Engineer/Physicist), DP-801/830/850/855/1310-3, Code 472400D—Area of Consideration: NAWCWPNs. Duty Station: China Lake. Opening Date: 6-12-97. Closing Date: 6-26-97. Selecting Official: Dave Janiec, (760) 939-2504. HRD Contact: Gail Bigelow, (760) 939-8113. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** This position is located in the Guidance and Control Division, Fuze and

**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.

**MIL-STD-1553 PROTOCOL (24 hrs.)**

18-20 June; Wednesday-Friday, 0800-1630; Training Center, Point Mugu. By: Evolving Technology

MIL-STD-1553 Protocol, Multiplex Bus is designed for managers, engineers, technicians, and other personnel who have a general background in the electronics and/or systems engineering fields and require in-depth knowledge of the MIL-STD-1553 Protocol for military systems integration. The course provides hands-on training on the 1553 multiplex bus system hardware, including systems configuration, data protocol, and troubleshooting. This course will provide an overview of the MIL-STD-1553 with emphasis on definitions, and general requirements, and key elements comprising a 1553 communications system. Other topics will include specification comparison of the detailed uses of the standard, a review of the system design considerations, and discussion of remote terminal and bus controller designs. Finally, there will be a discussion of the types of hardware used to comprise a 1553 system, including bus controllers, remote terminals, and bus monitors. In addition, a discussion of software considerations for a bus controller will be addressed. Data

protocol will be covered in depth. All lecture topics will be reinforced through hands-on training on the 1553 multiplex bus.

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

**DIGITAL SYSTEMS TROUBLESHOOTING (32 hrs.)**

23-26 June; Monday-Thursday, 0800-1600; Training Center, Bldg. 366, Room 100A, Point Mugu. By: Evolving Technology Institute (David Lynch)

**Prerequisite:** Completion of basic courses in digital electronics or the equivalent work experience.

**Intended Audience:** Electronic technicians who are required to repair and maintain modern Navy electronic weapons systems.

Troubleshooting modern Navy electronic equipment often appears to be a highly complex task. This course lays the foundation for technicians to first understand the basics of digital systems; and second, how to approach and accurately troubleshoot any digital electronics

**CAREER TRANSITION AND PLACEMENT CENTER**

Need help with future career plans? Unsure of how to prepare a resume or complete an SF-171? Confused about the demand for your skills and educational background in today's work environment? Visit the Career Transition and Placement Center (CTPC) at Point Mugu or China Lake for assistance with all your career planning needs. Both sites offer full-service career transition assistance daily and personal career counseling by appointment. Center resources include periodicals, brochures, and books on many topics including career planning, job search strategies and techniques, and retirement. IBM-compatible and Macintosh computers with laser jet printers and software are available to help you write your SF-171 or OF-612 and resume, determine your interests and values, or search available job listings via bulletin boards. For more information about the CTPC or to schedule an appointment, call 989-3997 (Point Mugu) or 939-2359 (China Lake).

systems, from the simplest to the most complex. The procedures developed in the course will not only correct systems defects, but the methodical approach developed will save time and, hence, cost in electronic maintenance. The techniques presented during the course are reinforced during the hands-on workshops, in which the student will learn to isolate and replace defective components and verify systems operation. A lab/workshop is provided for each of the following topics: (1) introduction to digital techniques, (2) review of troubleshooting and repair tools, (3) sequential logic circuits, (4) input/output circuits, and (5) system-level analysis and troubleshooting.

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).

#### SOFTWARE RISK MANAGEMENT WORKSHOP (16 hrs.)

23-24 June; Monday-Tuesday, 0800-1600; Training Center, Point Mugu.

25-26 June; Wednesday-Thursday, 0730-1530; Training Center, China Lake.

By: TeraQuest Metrics, Inc. (Dr. Joyce A. Statz and Joel Glittleman)

**Prerequisites:** None. It is recommended that students have some exposure to the Capability Maturity Model and are working in an organization that contributes to software development.

**Intended Audience:** This course is useful for project managers, project technical leaders, Software Engineering Process Group (SEPG) members, and all those who are responsible for assessing and managing the risk to a software project.

In this workshop, students learn a practical process to identify risks and to plan effective mitigation strategies, so that they can collaborate in minimizing the risk to a software development project in their organization. Topics covered include goals of risk management, industry models for software risk management, most common software risks, team-based risk management, risk identification, formal and informal risk analysis techniques, risk management and monitoring, techniques for risk avoidance and reduction, and starting a risk-management program. Students will learn the terminology, procedures, and practices for risk identification, risk analysis, and risk monitoring. Team exercises are integrated throughout the course. Students use workshop materials to identify risks, analyze and prioritize them, and draft a risk management plan. Students are asked to use information about their current projects or one they worked on recently. In support of their project or organization risk management process, students tailor the risk management artifacts (forms, guidelines, and checklists) provided in the course for their later use.

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 Renee Riga, Code 4F0000D. For further information, call 939-7092 (DSN 437-7092).

#### SYSTEMS ARCHITECTURE (8 hrs.)

24 June; Tuesday, 0800-1630; Training Center, China Lake.

26 June; Thursday 0800-1630; Training Center, Point Mugu.

By: ATTRIDGE Electronics

The System Architecture course presents an overview of major computer architectures recently developed. These architectures include vector and parallel processors. Alternative approaches to computations will be presented for specific applications. The organization of the basic elements of the high-performance units, arithmetic units, and memories will be stressed. Learning objectives include providing an understanding of current computer architectures being developed for DOD systems such as image and radar systems.

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).

#### FSDB/BUSINESS OBJECTS

The FSDB Project Office will be presenting the following 8-hour courses at China Lake and Point Mugu. The courses will introduce participants to the Financial Summary Database (FSDB), which provides a streamlined, flexible, and powerful tool for querying and reporting financial information from the NIFMAS financial system. Participants will learn how to use the Business Objects query and reporting software to obtain the financial information they need. The class will also cover defining, organizing, and using the financial information available from FSDB.

**Intended Audience:** Administrative officers, business managers, budget/financial analysts, or anyone requiring knowledge of financial data.

**Prerequisites:** It is highly recommended that participants purchase the Business Objects client software prior to attending the class. For assistance, contact Jessica Vincent at 927-1500.

**Note:** All classes are from 0800-1600 at the Training Centers.

June 17	Point Mugu	July 15	China Lake
June 23	China Lake	July 17	Point Mugu
June 24	Point Mugu	July 21	China Lake
July 1	China Lake	July 24	Point Mugu
July 8	China Lake	July 29	China Lake
July 10	Point Mugu	July 31	Point Mugu

To enroll, contact Carol Franich at 939-3968 or via QuickMail to FSDB Help Desk.

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).

#### FILEMAKER PRO 2.1 FOR MACINTOSH, INTRODUCTION (16 hrs.)

25-26 June; 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 with little or no experience using Filemaker Pro 2.1 for Macintosh.

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).

#### WINDOWS 3.1, INTRODUCTION (8 hrs.)

30 June; Monday, 0800-1600; Bldg. 366, Room 102, Point Mugu.

This class is designed for people with little or no experience using an IBM or IBM-compatible computer and the Windows 3.1 operating system.

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).

#### WINDOWS 3.1, INTRODUCTION (16 hrs.)

1 July; Tuesday, 0800-1600; Bldg. 366, Room 102, Point Mugu.

This class is designed for people with little or no experience using an IBM or IBM-compatible computer and the Windows 3.1 operating system.

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).

#### BUDGET ANALYSIS WORKSHOP (24 hrs.)

8-10 July; Tuesday-Thursday, 0800-1600; Bldg. 366, Point Mugu. By: Budgeting Associates

One of the most important responsibilities of federal managers and budget personnel is to continually review each phase of the federal budget process, which includes budget formulation, congressional action, budget execution, and review and audit. In this course, you will learn to analyze various budget situations and present recommendations based on your analyses.

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).

#### MANAGING IN A TEAM ENVIRONMENT (8 hrs.)

10 and 17 July; Thursday (two half-day morning sessions), 0730-1130; Training Center, Point Mugu.

This course is designed for participants who are team managers. The focus is on developing specific skills in the areas of planning, guiding, coaching, and addressing

challenges faced when managing teams. Participants will learn to more effectively perform the role of team manager and understand his/her relationship to the success of the team. Participants will also learn how to empower teams for success through clear communication and understanding of responsibilities and limitations as well as how to establish expectations, monitor progress, and take corrective actions.

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

#### SYSTEMS ADMINISTRATION 4.11 (NOVELL) (40 hrs.)

14-18 July; Monday-Friday, 0800-1600; 2901 Ventura Rd., Suite 100, Oxnard. By: ComputerFokus (805) 988-6600

**Prerequisite:** 100 DOS for Network Users, 101 Microcomputer Concepts for Network Users. Enroll only if you have met the prerequisite.

**Intended Audience:** New NetWare 4 administrators, CNE, and CNA candidates.

This course teaches the knowledge and skills needed to perform NetWare 4 network administration or system management tasks effectively. It teaches how to use NetWare administrative tools to set up, manage, and use basic network services, including file systems, network printing, security, and e-mail. Participants who complete this course will be able to accomplish basic and fundamental network management tasks in a NetWare administrator utility, file system management, NetWare directory services, Direct objects and resources, NDS security, server console commands, NetWare loadable modules, and administrative tasks.

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).

#### PERSONAL SOFTWARE PROCESS (112 hrs.)

4 Sessions

14, 16, 18, 29, 31 July; 5, 7 August; 2, 4, 9, 11, 16, 18 September; 0800-1600; Training Center, Point Mugu. By: Jeff Schwalb

The Personal Software Process (PSP) is a disciplined, process-oriented approach to software engineering. Its purpose is to help engineers improve their performance by applying to their work the software-engineering, quality-management, and process-management concepts in the Capability Maturity Model (CMM) for software. They learn to use the PSP framework to manage their own processes—improving their productivity, schedule performance, and the quality of the products they produce. This course provides a step-by-step framework that demonstrates the methods of disciplined software engineering. Participants learn how effective the methods can be by using their own data. The course covers the PSP as described in "A Discipline for Software Engineering," by Watts Humphrey.

The PSP is a scaled-down version of industrial-software processes based on quality-management principles and is designed to be used by an individual software engineer.

**Prerequisites:** You must know a programming language (do not use this course as an opportunity to learn a new language). You must also have a development environment available (a portable computer is recommended) that includes a compiler plus Microsoft Word and Excel.

**Cost:** Tuition fee is \$150 and includes the cost of the textbook and materials provided throughout the introductory and advanced portions of the class. Include a job order number on the training request to cover this fee.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Renee Riga, Code 4F0000D, 939-7092 (DSN 437-7092). For further information on course content and outline, call Jeff Schwalb at 939-6226 (DSN 437-6226).

#### THREAT SIMULATION MODELING (8 hrs.)

15 July; Tuesday, 0800-1630; Training Center, China Lake.

17 July; Thursday, 0800-1630; Training Center, Point Mugu.

By: ADAMY Engineering

This is a practical course that presents technical insight into electronic-warfare (EW) threat-simulation modeling. The scope of this course is an overview of the subject area with special emphasis on the state of the art from a threat and a simulation perspective. A description of hardware, software, and processes will be provided in a graphical rather than mathematical terms.

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

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).

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

21-22 July; Monday-Tuesday, 0800-1600; Bldg. 366, Room 102, Point Mugu.

**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 Filemaker Pro 2.1 for Windows.

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).

#### RESEARCH TRENDS IN RADAR (8 hrs.)

22 July; Tuesday, 0800-1630; Training Center, China Lake. By: ATTRIDGE Electronics

This course presents an introductory overview of recent advancements that may have a great effect on a wide range of important systems including LSI semiconductor devices, RF systems, IR systems, lasers, and systems analysis concepts.

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

#### POWERPOINT 4.0 FOR WINDOWS 3.1, INTRODUCTION (16 hrs.)

23-24 July; Wednesday-Thursday, 0800-1600; Bldg. 366, Room 102, Point Mugu.

**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 Powerpoint 4.0 for Windows.

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).

#### MIL-STD-1553 PROTOCOL (24 hrs.)

29-31 July; Tuesday-Thursday, 0800-1700; Training Center, China Lake.

By: Test Systems, Inc.

This seminar is designed to provide a solid base for interpreting and understanding the requirements of

MIL-STD-1553. Students will be taught MIL-STD-1553 from the design through testing phases to help them understand a 1553 system in part and in whole. Students will gain practical experience with 1553 messages in the lab sessions and will also be introduced to currently available 1553 products.

The seminar uses a well-rounded approach of lecture, lab sessions, visuals, question and answer, and 1553-manufactured samples to communicate concepts in a clear and dynamic manner. Unlike a simple demonstration, the lab sessions give students "hands-on" experience in analyzing 1553 communication and troubleshooting 1553 remote terminal problems. Personal assistance by the instructor is provided during the lab sessions. However, the greatest value of these lab sessions lies in the personal involvement of the student with the concepts being taught. Interaction is accomplished by providing students with a view of the messages being sent on the 1553 data bus and allowing them to manipulate the messages. Using an oscilloscope, students can move from words on paper to actually seeing how bits are encoded, how word formats differ, and what a message sequence looks like. Students also gain experience in troubleshooting problems in remote terminals.

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

#### LEADING TEAMS WITH EFFECTIVE COACHING (8 hrs.)

30 July; Wednesday, 0800-1600; Bldg. 366, Room 104A, Point Mugu. By: Francess Fallett

Of all the roles managers may fill in their daily lives, the role of coach and counselor for their employees may be the most difficult to understand. Coaching and counseling one's employees is an integral part of all interactions, including performance appraisals, career planning, dealing with personal problems, and employee relationships. This course introduces a model for conducting these sessions and is timed to allow for the immediate application of learned skills when doing Demo performance appraisals.

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).

#### INTERMEDIATE SYSTEMS ACQUISITION (80 hrs.)

11-22 August; Monday-Friday, 0730-1630; Training Center, China Lake. 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 in order to use the Fulfillment Program for meeting the ACQ 201 requirement. ACQ 201 course competencies are listed in the Fulfillment Guide. This guide is available in hard copy from department offices or via Internet at <http://www.acq.osd.mil/dau/daudocs.html>.

**Note 2:** Due to 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 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 theme areas, each with a series of supporting topical coverage. The major themes are Acquisition Management Policy and Integration, Technical Management, and Business Management.

**Deadline: 24 July**

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Code 733000D/FAX 939-0867 (DSN 437-0867). For further information, call Nancy Saxton at 939-3129 (DSN 437-3129).

#### AVIONICS INTEGRATION (24 hrs.)

19-21 August; Tuesday-Thursday, 0800-1630; Training Center, Point Mugu. By: ATTRIDGE Electronics

This course is designed to provide participants with an understanding of the steps taken in integrating avionic subsystems into aircraft. Details will be presented on approaches used to integrate avionics. An integral part of a successful integration is the system integration test stand (SITS), where hardware-simulations are used to incrementally integrate hardware systems into the avionics suite. The SITS environment, description of tests conducted, and criteria for test success will be identified. Topics covered will include, but not be limited to, preintegration activities/documentation; integration buildup; elements of a SITS facility; simulation inputs for various missions; types of test performed; data acquisition and processing; and criteria for a successful integration of avionics.

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).

#### ELECTRONICS WARFARE: ESM/ELINT (8 hrs.)

26 August; Tuesday, 0800-1630; Training Center, China Lake.

28 August; Thursday, 0800-1630; Training Center, Point Mugu.

By: ADAMY Engineering

This is a practical course that presents technical insight into ESM and ELINT system specification design and application. The scope of this course ranges from terms and definitions to system descriptions to design criteria to state-of-the-art description and trend predictions. The course will include hardware, software, and processes described in graphical rather than mathematical terms.

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).

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).

#### TECHNICAL WRITING (32 hrs.)

8-11 September; Monday-Thursday, 0800-1600; Training Center, Point Mugu. By: Communications Skills Company, Inc.

**Note:** This course is designed for technical personnel and is a required course for personnel entering the SEDP in FY96 and for Junior Professional Program personnel hired in FY97.

This seminar will provide students with the skills and confidence to prepare technical writing assignments and will introduce them to the style and standards of technical writing. Through examples and exercises taken from writing situations that Navy engineers regularly face, participants learn techniques for analyzing, interpreting, and translating information into clear, readable letters and reports.

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).

#### BASIC SUPERVISION AND UPDATE (40 hrs.)

8-12 September; Monday-Friday, 0800-1600; Training Center, China Lake. By: Teri Mahaney, Supertraining

At the end of this 5-day course, participants will have experienced and developed competency in selected skills in the five functions of management: planning, organizing, staffing, motivating, and controlling. Participants will identify personal profiles of supervisors/followers (and their own); identify personal leadership characteristics; give feedback, both positive and negative; and identify organization change dynamics. This course meets the mandatory 40 hours training requirement for new supervisors as well as provides update information for more experienced supervisors.

To enroll, contact Lori Ryser-Warrick at 939-2686.