July 10, 1997



period.

"F '

code.

# Mars Pathfinder had helping hand from China Lake

**THE ROCKETEER** 

THURSDAY, JULY 10, 1997 NAVAL AIR WARFARE CENTER WEAPONS DIVISION CHINA LAKE VOL. 53, No. 14

FIRST Super Hornet, E1, flies an aero servo elasticity stores configuration - three 480-gallor fuel tanks, two Mk-84 bombs, two HARMs and two Sidewinders — over NAS Patuxent River during flight testing in February.

McDonnell Douglas Photo

# First of two parts **NAWCWPNS** supports initial flight tests at Pax, prepares for arrival of F/A-18E/F Super Hornet

#### By Barry McDonald

ith less than nine months left before it arrives, one group of NAWCWPNS employees is like a team of expectant parents - it seems all they can talk about is F2. It has a name and they know what it will look like, but unlike expectant parents. they've had the opportunity to directly influence the development of its personality and behavior during the gestation

"F2" is the designation of the first new Super Hornet F/A-18F that will be sent to China Lake for system integration testing. Due in April 1998, to the NAW-CWPNS members of the F/A-18E/F family, a subset of the F/A-18 Integrated Product Team, F2 represents the fruition of years of preparation, and they're anxious to see it in "person."

F2 is the last of seven Super Hornets produced by prime contractor McDonnell Douglas for the engineering, manufacturing and design (EMD) phase of development. EMD includes initial flight testing at Naval Air Warfare Center Aircraft Division, Naval Air Station Patuxent River, and subsequent systems integration testing at NAWCW-PNS China Lake. The "F" is the two-seat sibling to the Super Hornet single-seat

Much of the F/A-18E/F airframe is new, but most of the mission systems are common with the F/A-18C/D. There are eight new computers on board with approximately 11 percent of the software new or modified, accounting for about 600,000 new or modified lines of source

The E/F has three new cockpit displays: a touchscreen Up-Front-Control Display; an LCD-Multipurpose-Color Display; and an LCD-Engine-Fuel Display. These new displays join the two existing C/D model multipurpose displays to provide more situational awareness, increased future growth and lighter weight

The Flight Control Computer has been combined with the Air Data Computer to produce one subsystem that is lighter than the combination and performs the same functions

The first flight of a Super Hornet, E1, took place on Nov. 29, 1995, and it was delivered to Patuxent River the following Valentine's Day. Since then, four more Es and the two Fs have been delivered. On May 9, less than 18 months after initial delivery, the combined flight test aircraft of the F/A-18E/F Integrated Test Team (ITT) passed the 1,000-flight-hour mark. LCdr. Dave Dunaway, a VX-9 pilot detailed to Pax to lend the operational test perspective to the flight test program and to get an early "feel" for the aircraft, was among four pilots to fly that day. He was driving F2.

"The ITT is a success story unto itself," said F/A-18 Program Manager Capt. James B. Godwin III (PMA-265), following a successful program management focus quarterly review at China Lake June 26. "This is a first for a development program, where contractors from McDonnell Douglas, GE, Northrup-Grumman and Hughes are working handin-hand with government personnel, sharing data and seeing the same results. This approach eliminates dual testing and evaluation by separate industry and government teams. The ITT includes 400

people, 300 of which are from industry, and they're working together in such cooperation that someone recently said, 'If you walk into any room, you can't tell who's government and who's industry.'

Besides test pilot Dunaway, various other NAWCWPNS employees have gone TDY to Pax for assignment on the ITT. "We've had personnel at Pax since flight testing began," said Charles

Bechtel, NAWCWP-NS E/F block manager. "Eric Burkhardt, Walt King, Scott Quackenbush, Aaron Smith and Darrell Granjean have been assigned to the Mission Systems team and supported all flight activities.

"Dean Campbell is also TDY at Pax. He is the instrumentation operations engineer (IOE) for F2. Each aircraft has an IOE who "lives" with the aircraft from the day it comes off the production line. Dean spent several months in St. Louis prior to moving to Pax when F2 was delivered."

The Super Hornet has consistently demonstrated high performance throughout flight testing, first in clearing the supersonic flight envelope, then during initial carrier sea trials aboard USS John



The ITT is now evaluating the weapon release envelope. Test pilot Lt. Tom Hole fired an AIM-9 missile from F2 on Saturday, April 5. It was the first missile launched from a Super Hornet. On Monday, May 5, F/A-18E/F ITT pilot

> Phil Pirozzi, of McDonnell Douglas fired the Advanced Medium-Range Airto-Air Missile (AMRAAM) from a two-seat Super Hornet.

The team has also fired AIM-7, AIM-120 and ALE-47 (flares), and has released a SLAM missile; a Harpoon missile; a ripple of 10 Mk-82 bombs: MK-83 bombs; 480-gallon tanks, from both the aircraft's centerline position and wing stations; dual loads of C B U - 1 0 0 s (Rockeyes); and numerous other configurations. Super Hornet has also successfully deployed the ALE-50 towed

decoy.

This is the stage of the testing where even more NAWCWPNS employees, as Please see SUPER HORNET, Page 9

**'The mission** systems work done here at China Lake is like the blood flowing through the veins of the aircraft. ? -Capt. James B. Godwin III



800-772-1213.





# after 20 words

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THE ROCKETEER

## **Equipment monitors the Internet**

Are you misusing your access to the Internet?

If you spend time in various nonbusiness chat services or spend time in numerous other nonbusiness-related (i.e., pornographic web pages) places, you are.

So what? Per OPNAVNOTE 5510 "noncompliance with rules, procedures, guidelines or regulations pertaining to information technology systems" can be a basis for revocation of a security clearance. Misuse of the Internet has resulted in disciplinary actions up to and including removal from federal service.

The monitoring equipment used to protect our networks and computers automatically captures addresses for all message traffic coming or going on the Internet and will record your activity. If misuse is identified, it will be reported to your supervisor and could be reported to Department of Navy Central Adjudication Facility for review of your clearance eligibility.

Use the Internet only as a tool to help you in your job.

## Ice cream social at chapel July 15

Looking for a great way to cool off? The Protestant Women of All Faith Chapel will hold their 46th annual Ice Cream Social on Tuesday, July 15, from 6 to 8 p.m. on the lawn of the NAWS Chapel. Homemade pies, cakes and ice cream will be served.

The Dixieland Band will play throughout the evening. Starlight the Clown will make balloon toys for the kids and put on a magic show.

A dunk tank will be available for anyone wanting to soak Capt. Stan Douglass, NAWS CO, who has consented to be a target. Chaplain Allan Ford of the Protestant congregation and Chaplain Pat McCormick of the Catholic congregation have also agreed to be willing targets.

Other activities include washable tattoos done by local artists, caricature drawings, duck pond, tic-tac-toss, ring toss, bowling, sponge throw, giant bubbles and dart throwing games.

Tickets are \$3.50 for adults and \$1.50 for children 11 and under. Activity tickets are three for \$1. All tickets are available after services on Sunday, in the chapel office during the week and at the door the evening of the social.

Proceeds will be forwarded to the Women's Center, Homemaker Services, Bakersfield Lifeline Center and three foreign missions -Wycliffe Bible Translators, Ludhiana Christian Medical College and Jeff and Roxanne Johnson of Frontiers.

## **NWTS hosts briefs at Barefoot Bar**

For the past several months, something interesting has been going on after hours at the Barefoot Bar. Each month there have been special presentations on topics of interest to all China Lakers, followed by a BYOB (bring your own beef) barbecue. The Naval Weapons Test Squadron at China Lake has been hosting these events, and attendees have reported them to be very interesting and informative, as well as entertaining.

In March, Mary Shafer of NASA gave a speech on the SR-71 Program, followed in April by a former renowned China Laker, Frank Knemeyer, on the history of the Polaris Program.

In May, Capt. (Ret./USN) James Hickerson presented a moving and personal brief on his experiences as a prisoner of war for over five years during the Viet Nam war. He detailed his capture, showed torture methods that were used, how communication between the prisoners occurred, and how he managed to keep his sanity and stay alive until his release. He stated, "It was the importance of a belief in God, country and fellow man that helped me to survive."

This was followed in June by Dr. Pierre St. Amand with a brief on weather modification. The next event, scheduled for Wednesday, July 23, is a presentation by Cdr. Richard Harbour, USNR, on his experiences as a former Viet Nam river patrol boat commander.

Future presentations include the SELENE Project, Moray Submarine, Experimental Aircraft Design Facility, Optical Surfaces Facility and the Manzanar Detention Camp.

All presentations start at 4:30 p.m. and last approximately one hour. If you plan to attend the barbecue following the presentation, you are asked to bring a side dish and your own item to barbecue. You will be furnished the grill, plates, utensils and condiments. Attendance is limited to military and civil service employees and their guests. If you would like to be put on distribution for future presentations, please telephone or QuickMail Keith Becker at 939-5405.

# **Pages From The Past**

the Coso Geothermal Plant went on-line and began feeding power into the public utility grid. . . . "MIPIs have played a key role in getting the need statements from installations to higher headjuarters where command can see the possible benefits to the taxpayers and the fleet," said Jeff Meriam, associate for management and policy in the

Supply Department. July 8 &15, 1977

July 10 &17, 1987

At 3:21 p.m. Wednesday

"The Center's entire opti cal network needs upgrading and modernization. Right now we're limping along with equipment that puts us in the same position as someone who is trying to stretch some more life out of a car with 200,000 miles on it." These are the words of Carl W. Koiner, head of the Range Optical Development Branch, who estimates that more than 50 percent of all tests at China Lake require some optical instrumentation for their evaluation Such instrumentation s equally as important as radar in the conduct of these tests.

July 7 & 14, 1967 The Desert Empire's new fairground will be the setting for the first annual Fair Day this Saturday. "Drive in as you are," is the invitation issued by Bob Miller.

July 5 & 12, 1957 "Operation Alert," a national civil defense training exercise, began this afternoon as simulated nuclear attacks took place throughout the United States. The civil defense network went into action when the first alert was flashed. The "take over" came at 11 a.m., and at 1:30 p.m. passive defense elements and naval emergency ground force at NOTS were called

July 9 & 16, 1947

An eight-foot tusk of a preistoric elephant was recently unearthed by a bulldozer near the south end of China Lake. It roamed this area about 10 to 15 thousand years ago. A Mammoth, or Imperial Elephant as it is sometimes called, stood more than 13feet at the shoulders. It had one pair of tusks in the upper aw which sometimes grew so large that they would cross somewhere near the tip.

Weather Gusts low 62 65 73 66 63 61 50 103 102 99 97 93 20 27 25 34 28 33 16 33-14% 28-14% 29-13% 17-13% 24-14% 83 94 36-13% July 2 58 58 65 62 63 63 30-1*5%* 25-1*5*% 99 103 108 108 106 104 105 16 15 24 28 25-14% 22-15% 21-14% 26-159 38-15%

## China Lake Calendar

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

Tuesday, July 15

- •Ice cream social at All Faith Chapel, 6 to 8 p.m. •Surplus auction at DRMO, 9 a.m. Call 939-2502 for more information.
- •Housing assistance program briefing at auditorium. 9 a.m. for A-G; 1 p.m. for H-O.

#### Wednesday, July 16

•Housing assistance program briefing 9 a.m. for P-Z. Wednesday, July 23

•Viet Nam river boat commander gives briefing at Barefoot Bar, 4:30 p.m. Bring your own beef to barbecue afterwards. See this page for information.

## THE ROCKETEER

RAdm. Jack V. Chenevey NAWCWPNS Commande



Capt. Stanley W. Douglass

NAWS Commanding Officer

**Barry McDonald** Editor Staff Writer THE ROCKETEER is published by High Desert Newspapers, Inc., a private firm in no way connected with the DoD or U.S. Navy, under exclusive written contract with the Naval Ai Weapons Station China Lake. This commercial enterprise newspaper is an authorized public

cation for members of the military services. Contents of THE ROCKETEER are not necessaril the official view of, or endorsed by, the U.S. Government, the Department of Defense of High Desert Newspapers, Inc. The appearance of advertising in this publication, including nserts and supplements, does not constitute endorsement by the Department of Defense of of the products or services advertised. Everything advertised in this publication shall be made available for purchase, use, or patronage without regard to race, color, religion, sex, nation al origin, age, marital status, physical handicap, political affiliation or any other non-meri factor of the purchaser, users or patron. A confirmed violation or rejection of this policy of equal opportunities by an advertiser will result in the refusal to print advertising.

The editorial content is edited, prepared and provided by the Public Affairs Office of the Naval Air Warfare Center Weapons Division China Lake.

Editorial deadline: 4 p.m., Wednesday of non-flex weeks. This deadline also applies to submittals for the NAWCWPNS Announce contained herein: and the PAO Info Line.

Correspondence and material for THE ROCKETEER should be addressed to: Editor, TH 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, NAWSSTAFF\_MC mailcenter.) Fax information to 939-2796, or call 939-3354. E-mail address is barry mcdonald@mail.chinalake.navy.mil. THE ROCKETEER office is located in the Headquarters Building, Room 1017.

Information intended for use in PAO Info Line should be sent to Linda Lou Crosby a 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.

Advertising is the sole responsibility of High Desert Newspapers, Inc., 224 East Ridgecrest Blvd., Ridgecrest, CA 93555, (619) 375-4481. Advertising deadline is noon, the Friday before publicatio





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GARAGE SALES DEADLINE FOR ALL CLASSIFIED



July 10, 1997

A Social Security representative will be at the Kerr-McGee Center, 100 W. California Ave., from 9:30 a.m. until noon today, and also on August 14 and Sept. 11. For more information call 1-

#### #####

Opening in the Sylvia Winslow Gallery at the Maturango Museum on Saturday, July 12, will be "High Desert U.S. Post Offices, 1869 to 1997."

309 W. Ridgecre

Blvd

760) 371-9547





#### For Information on placing a Rocketeer **Classified Ad, call** Jennifer at 375-4481.

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## **1 PERSONALS**

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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.

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

#### **15 SERVICES/SCHOOLS**

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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)

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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)

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

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WANTED: RENTAL PROPERTIES. The Housing Referral Office at Naval Air Weapons Station, China Lake, Building 1671, (760) 939-2220 assist all Department of Defense Personnel and their Families n locating suitable and affordable housing in the ilian community. If you would like to list your property free of charge, contact Jerry Morriso between 8:00 am and 5:00 pm. (12-11)

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WARM & COZY, 3 BR, 1 BA, on double lot with pool. Fireplace insert, trees, completely fenced, \$77,500. Call Dan at: 375-0108. (TFN)

Ridgecrest. Close to base and shopping, rent \$400 and up plus utilities, sale \$17,000 and up for homes. Arrowhead. 446-2796. (TFN)

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LUXURIOUS HOME, Panoramic view, excellent location, 2100 Camino El Canon. 1990's built, 2000+ sqft, 4BR, 2.5 BA, family room, balcony overlooking ving room with cathedral ceiling, bay window, fficient 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)

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SUPER POWER! 166 MHz Intel Pro, EIDE/IO, Pipeline Burst Cache, MS nat. kb, 2mb stealth card (video), 17" mon., 2GB HD, 32MB EDO ram, Win '95, MS mse, 8xCD Rom, 60w spks, jumbo mini twr wHP Ink Jet Printer, lots of extras. \$1,800. Call 446-7704.

COMPUTER & PRINTER STAND w/office desk chair.

#### **50 GARAGE SALES**

6 HOUSE GARAGE SALE - Fri., July 11, 7am. Officer housing on base along Ticonderoga Bogue Circle & Blueridge. (7-10)

For Display Advertising, call 375-4481 and ask for Rocketeer Sales.

MOBILE HOMES for sale or rent in the nicest park in



# Five Navy and Marine Corps Achievement Medals presented at quarters

t recent Naval Weapons Test A squadron quarters, five Navy and Marine Corps Achievement Medals were presented by the squadron's CO. Cdr. Dane Swanson.

Receiving a Gold Star in lieu of his fifth NMCAM, PR1(AW/SW) Raymond S. Kanne served as Aircraft Division Aircrew Survival Equipment Shop Supervisor at NWTS China Lake from December 1996 to February 1997. According to his citation, Kanne was directly responsible for grades of outstanding during the 1996 Naval Aviation Maintenance Office inspection and the 1997 search and rescue evaluation. "The tracking and management system developed by this work center are now used as models to judge other programs," wrote

AE2 Fred L. Torrence Jr. received an NMCAM from RAdm. C.W. Moore Jr., commander Group Carrier Five, for professional achievement as Aviation Electrician Work Center Night Shift Supervisor and Quality Assurance Representative, Tactical Electronic Warfare Squadron 136 from April 1994 to March 1997. "Torrence demonstrated exceptional leadership by directing the repair of more than 200 discrepancies during operations in the Arabian Gulf,"

PR1(AW) Paul O. Bartlett earned the NMCAM (Gold Star in lieu of third award) for duties served as a senior crew leader for the Navy Hot Air Balloon Team China Lake from March 1996 to April 1997. According to Swanson, Bartlett devoted countless off-duty hours to the daily management and operation of



PR2IAWI Dean

# **MILITARY NEWS**



AF2 Torrence

to the success of the team," said Swanson.

PR1/AW/SWI Kanne

AE2(NAC) Kevin S. Tincher also received a NMCAM for serving as a senior crew leader for the Navy Hot Air Balloon Team China Lake from January 1996to April 1997.

"When budget cuts threatened the future of the team," wrote Swanson in the citation, "Tincher responded as a volunteer to carry on the team's recruiting mission'

For professional achievement in performance of duties as Aviator's Safety Equipment Paralot Supervisor, NWTS China Lake, from January to April 1997, PR2(AW) Mark L. Dean also received an NMCAM. Dean conducted research, coordinated training and procured all support equipment necessary to establish parachute

maintenance support for F/A-18C/D and F-14D aircraft. According to Swanson. Dean's contributions resulted in an annual cost-

AE1(AW) Mendoza

PR1(AW) Bartlett savings of \$15,000 and eliminated offstation repack and repair support requirements

LNC Kim Curtis received the Navy and Marine Corps Commendation Medal (Gold Star in lieu of second award) for services as Clerk of the Court, Navy-Marine Corps Trial Judiciary, Southwest Judicial Circuit, San Diego, from December 1993 to October 1996.

According to her citation written by RAdm. H.E. Grant, judge advocate general, Curtis ensured the timely docketing and processing of cases in support of all military judges assigned to the circuit. "Curtis was sought out to assist in preparations for the command inspection ... she contributed immeasurably to the grade of outstanding received and spearheaded numerous self-help projects,' wrote Grant.

**Dust Devils** 

Senior Dust Devil of the Second Ouarter is AE1(AW) Jose L Mendoza. Junior Dust Devil of the First Quarter

AZAN Bolin

is AO3 Michael J. Patrick. **Plane** Captains

AE3 Richard D. Lords qualified as an F/A-18 Plane Captain and AO3 Patrick J. Rezab qualified as an HH-1N Plane Captain. AZAN Joshua T. Bolin is Plane Captain of the Month for May. **NWTS Recognition** 

AMS1 Robert P. Mersino was frocked to the rank of first class petty officer.

Four were frocked to the rank of second class petty officer - AE2 Jason M. Park, AZ2 Jeffrey S. Ballard, AMS2(AW) Gamaliel J. Manriquez and AD2(NAC) Gerald W. Graham Jr.

Twelve Sailors were frocked to the rank of third class petty officer - AD3 Kyle L. Thompson, AZ3 Ross Saxton III, PR3 Kevin L. McCoy, AE3 Richard D. Lords, AMS3 Paul Hutchinson, AT3 Bruce A. Gillespie. AE3 Reuben J. Gallop, AD3(NAC) Eric E. Forland, AT3 Agustin Benitez-Rodriguez, AME3 Donald G. Proffitt, AME3 David P. Thomas and AMS3 Aaron M. Burke.

Letters of Commendation were presented to AMSAR Raphael N. Legarde, PR2 Christopher C. Trindle, AZAN Joshua T. Bolin and SN Danita L. Sawver.

A letter was also presented to AME1(AW) Michael D. Flewelling at the time of his retirement ceremony.

Letters of Appreciation were presented to PR2 Scott House, AEC(AW) Robert H. Gunther, AE2 Robert P. Scusa AE3 Ian J. Whitsell AE3 Ian J Whitsell, AD2 James P. Eicher and ADAN Gregorio Acostadelatorre.

Also receiving letters were ABH3 Cesar Rodriguez-Arevalo. **ABH3 Brian** E. Thomson and ATAN Mace C. Riddle.



AO3 Patrick

# Need billing information? Need uniforms fast? Check with the NEX

TEXQUESTION ... please is a Monthly article that answers questions received by the cus-Exchange Service Command's (NEX-COM) headquarters in Virginia Beach,

Q. A few months ago I experienced an emergency situation where I needed a dress blue uniform jacket in a matter of days. I have recently gained a few pounds and no longer fit in my old uniform jacket. When I went to the Navy Exchange Uniform Shop, they did not have my size. I ended up borrowing my friend's jacket. Is there anything else I

could have done in this situation?

A. If you're ever in a situation where you can't find a uniform item locally, call the Uniform Support Center at 1-800-368-4088. They have representatives standing by to assist you 24-hours a day. You can even request they send you the uniform item overnight for a nominal fee.

O. I recently lost the return envelope with the billing address for my NEX-CARD payment. Could you please provide this information?

A. The billing address for all NEX-CARD payments is NEXCARD, P.O. Box 8875, Hagerstown, MD 2178-8870.

When mailing a payment without your payment coupon, please make sure your account number is clearly written on your check or money order.

#### **Discover your Navy Exchange**

Have you ever wondered what's going on at the Navy Exchange next week? Is there anything on sale or do you need a gift idea for mom's birthday? There's one place you can go to get your questions answered, delivered right to your mailbox - the Navy Exchange sales circular. If you aren't currently receiving an advertising circular at your home, you may be missing out.

Your NEX offers you a broad range of

merchandise and services, including clothing, fragrances, cosmetics, electronics, jewelry, health and beauty aids and shoes for the entire family. The advertising circulars will give you a heads up as to what is being featured for sale within the next few weeks.

To begin receiving advertising circulars at your home, please call 1-800-NAV-EXCH 24-hours a day, or stop by the customer service department to sign

Within six to eight weeks, the circular will begin arriving at your home and you'll never again have to wonder what's happening at the Navy Exchange.



ended.

July 10, 1997

God

## By Lt. C. Allan Ford, CHC, USNR

his past month of June has been a very emotional time for me as a father. My son has graduated from high school and is preparing to enter into military service. Now, on top of all of that, he turned 18 at the end of June. Not to embarrass him, but to a dad and mom, this is a very tough time.

As for all parents of teenagers who are preparing to step out on their own, it is hard to let go. It is our children's "right of passage" to leave the parents, but to the parents it's a time of mixed emotions. We still see our kids as that, "kids." We can remember loving things that took place when they were little and that brings a smile to our faces and tears to our eyes. God is so great that He lets parents remember the joyous times of child raising instead of the bad times.

I can remember back some 23 years ago to a place called Fort Ord Army Training Center. My parents dropped me off at the Reception Center and we said our goodbyes, and I watched my mother cry. At the time I couldn't understand why she was crying, but, now as a parent saying good-bye to my son, it becomes a reality for me. All the books on parenting never once said that parenting was going to be easy. All that I can say is that God has given my wife and me the greatest joy of being parents to two of His children.

aplain 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



As God-fearing parents, my wife and I have always tried to teach our children to love God and to obey His commandments

In allowing our children to step out on their own, I give to them and to you these words from the Old Testament Scriptures to keep close to your heart in all times and in all ways:

"My son, preserve sound judgment and discernment, do not let them out of sight; they will be life for you, an ornament to grace your neck. Then you will go on your way in safety, and your foot will not stumble; when you lie down, you will not be afraid; when you lie down, your sleep will be sweet. Have no fear of sudden disaster or of the ruin that overtakes the wicked, for the Lord will be your confidence and will keep your foot from being snared." (Proverbs 3:21-26)

Thank you for allowing me to share with you a part of my life. This is a very emotional time for me now with my son leaving. What is going to happen to me when my daughter leaves? For you parents who may be losing your young adults, or better known as "your kids," keep them in your prayers always.

For those young adults who have just graduated from high school or college, you will have control of our nation in the future. Keep God in your hearts and in our nation. God bless.

**Self-Help Store hours** Monday, Tuesday, Thursday and Friday 11:30 a.m. to 5 p.m; Saturday and Sunday, open 9 a.m to 5 p.m. The store is closed on Wednesdays. - Effective Wednesday, July 16 -

# **All Faith Chapel Services** Protestant Men's Prayer Breakfast, East Wing, Thur Sunday School, Sept. - May,

1008-10 Blandy & 1903-05 Mitscher Sunday Worship Service, Main Chapel Bible Study (East Wing), Sept. - June, We Youth Ministry, 1907 Mitscher, Sunday Adult Bible Study, East Wing, Thursday Jewish (375-0385 Messages) Weekly Services, Friday, East Wing Adult Education, Oct. - June, Saturday, Hebrew Classes, Oct. - June, Saturday, 19 Religious School, Sept. - June, Sunday, 19 Jewish Classes (when Rabbi is here). Four years and up: Sunday, 1902 Dib Friday, 1902 Dibb

GI	aper	Jervices
		Roman Catholic
rsday	6:00 a.m.	Sunday Mass, Main Chapel
		Daily Mass, Blessed Sacrament Chapel
	9:00 a.m.	Confessions, Sundays
	10:30 a.m.	Confessions, Weekdays B
ednesday	11:30 a.m.	Religious Education Classes,
	2-3:30 p.m.	Sept May, Sunday, 1002 Blandy,
	7:00 p.m.	1008-10 Blandy & 1903-05 Mitscher
		Islamic
	7:30 p.m.	Jumaa Prayer, Friday (1002 Blandy)
902 Dibb	10 a.m noon	
902 Dibb	2-5 p.m.	
902 Dibb	9 - 11 a.m.	Equipment for the l
bb	9-11 a.m.	impaired and nur

5 - 7 p.m.

# With the death on June 29 of Harry War II, and included 155 combat mis-Parode, a record of service to the Navy and his community, dating back to 1943

Obituaries

A retired Navy captain who last served as the head of the Naval Weapons Center's Command Administration Department, Parode was also well known as a Ridgecrest City Councilman, a community activist and as a manager for local defense contractors.

Harry Parode

Arriving in China Lake in 1968 as the plans and operations officer for the NWC Technical Officer, he also served as the assistant technical officer until he took over the command administration billet in 1971

Retiring from the Navy in 1972 after a career that began in the middle of World

Happenings

ll classes will be held at the Family Service Center, 610 Blandy Ave., unless otherwise stated. These classes are open to all military members and their families. DoD civilians are on a "space available" basis.

July 18, 10 - 11 a.m. Stress Management and Relaxation. Learn relaxation techniques to help you manage stress. Call 927-1545 to register.

July 22, 10-11 a.m. CHAMPUS TRI-CARE Brief. CHAMPUS in a nutshell. Who is eligible? What are the basic rules? Call 927-1545 to register.

July 22, 1-3 p.m. Interviewing

sions with Attack Squadron 165, Parode returned to NWC in 1974 to become the public information officer (now called public affairs officer). In 1978 he retired from federal service for a second time to become manager of the Ridgecrest Computer Sciences Corporation. At the time of his death he was general manager for MTI, Inc., at the China Lake Echo Range facility.

In addition to his wife, Helen, Parode is survived by a son, LCdr. Steven Parode, of Virginia Beach: two daughters, Andrea England of Fremont, Calif., and Kimberly Stull of Ridgecrest; as well as four grandchildren.

Services were held on July 3 in the China Lake All Faith Chapel.

# **Upcoming classes**

Techniques. Interviewing for a job can

July 23, 3-5 p.m. ABCs of Home Buying and Selling. Buying or selling a home is probably the largest investment or sale you will ever undertake in your life. Learn about analyzing your needs; locating property; making and accepting offers; types of financing available; and understanding mortgage contracts and closing costs. Call 939-1018 to register

9:00 a.m.

11:35 a.m.

10:30 a.m.

12 p.m.

8:00 - 8:30 a.m

By app

Equipment for the hearing

impaired and nursery

are available

### be a nerve-wracking experience. Find out what employers are really looking for when they interview you. Call 939-0966 to register.

by close of business July 22.

#### NAWCWPNS HOTLINE Integrity, efficiency program at 939- 3636 (24 hours)

or call the Inspector General at (800) 522-3451 (toll free); or 288-6743 (DSN) (202) 443-6743 (commercial)



Jones.

July 10, 1997

ammunition

electromagnetic fields.

35).

("old" Code 40).





#### THE ROCKETEER

#### Continued from previous page

operational aspects of the gun system. This familiarity with the basic gun system resulted in the USAF having regularly contacted him for technical assistance relative to the integration of this system into the AC130/U gunship aircraft, said

In the most recent past, Clayson has been managing a number of gun and ammunition programs, the most notable being PEGS. The objective of PEGS is the development of a low-cost conversion of the standard 20mm M61A1/A2 gun to make it compatible with firing either percussion or electric primed

When fielded, Clayson said this weapon will significantly reduce the problems associated with the loading and unloading of 20mm aircraft guns onboard naval carriers with very high

He also continues to work on critically important gun and ammunition engineering investigations that result from fleet incidents and mishans.

Clayson served as the head of the Mechanical Design Branch during the 1960s. This branch was part of the "old" Aviation Ordnance Department (Code

When Code 35 was abolished in the late 60s, Clayson transferred to the Gun Systems Branch, then located in the Weapons Development Department

you want to leave voice mail or dial directly to someone the automated system



According to Jones, some of the programs that have benefited from Clayson's participation include the CP-741/A Weapons Release Computer; Snipe Missile Program; 20mm GPU-2(XN-1)A Gun Pod; 20mm GPU-2/A Gun Pod; and the 20mm M197 Gun/Ammo Sabot Diverter

His awards and honors include many letters of appreciation from the other services; two On-the-Spot Awards for the Tapered Bolt Body/Lug Test Program and BRAC Support.

He also has received the Technical Director's Award; an Award of Merit for

Group Achievement (AV-8B); a Special Service Award; the William B. McLean Award: and he once was a NAWCWPNS nominee for the Los Angeles Federal Executive Board in the outstanding professional employee category;

He became a Fellow in 1990 and a Senior Fellow in March 1996. Clayson holds five patents. They are for a gun pod stationary blast deflector; gun blast dif-

## NAWCWPNS commander going to NAVAIR

Weapons Divison Commander RAdm. Jack Chenevey announced this week he will leave China Lake, perhaps fuser; high explosive projectile fuzing; depression gun pod; and sabot diverter.

"We (China Lake) are not what we used to be," Clayson said, "and you can either like it or not."

He added, "Sometimes it's hard to change your ways because you're too comfortable. But I can adjust. I plan on still being here for awhile.'

as soon as mid-September. His new position is with NAVAIR as assistant commander for logistics.

## NASA SCHEDULES PUBLIC MEETINGS TO DISCUSS ENVIRONMENTAL STUDY ON X-33 DEVELOPMENT, FLIGHT TEST



NASA will host public meetings to discuss its draft Environmental Impact Statement (EIS) covering development and flight testing of the X-33 Technology Demonstrator Vehicle, and to solicit comments.

Plans call for 15 test flights in 1999 originating from Edwards Air Force Base and landing at sites in Southern California, Utah, and Montana or Washington.

Major issues addressed in the environmental study include noise and sonic booms, flight safety, and the effects on airspace and air traffic patterns. Many of the issues addressed originated from comments NASA gathered during public scoping meetings held in the area during November 1996.

Affected agencies and the public are encouraged to review and comment on the findings within the EIS. Public comments on the environmental study can be offered at the meetings listed below

The following meetings are scheduled in California:

Lancaster, Calif. 7 p.m. Monday July 21, 1997 Lancaster High School 44701 32nd St. W.

Boron, Calif. 7 p.m. Tuesday July 22, 1997 **Boron High School** 26831 Prospect St.

Ridgecrest, Calif. 7 p.m. Wednesday July 23, 1997 Burroughs High School 500 E. French St.

Baker, Calif. 7 p.m. Thursday July 24, 1997 Baker Senior Citizen Center 73730 Baker Blvd.

Copies of the 700-page EIS and its 40-page Executive Summary are located at seven repositories for review: Air Force Flight Test Center Technical Library, Bldg. 1400, Edwards AFB; Kern County Library, Boron Branch, 27070 Highway 58, Boron; Kern County Library, California City Branch, 9507 California City Boulevard; Kern County Library, Ridgecrest Branch, 131 East Las Flores St., Ridgecrest; Los Angeles County Library, Lancaster Branch, 1150 W. Avenue J, Lancaster; Palmdale City Library, 700 E. Palmdale Blvd., Palmdale; and San Bernadino County Library, Barstow Branch, 304 E. Buena Vista, Barstow. The full text of the EIS also is available on the Internet at http://eemo.msfc.nasa.gov/eemo/x33\_eis. The Notice of Availability publicizing the document's release appeared in the Federal Register July 3, 1997.

Requests for copies of the Executive Summary and/or the full EIS can be made to: Dr. Rebecca C. McCaleb, Director Environmental Engineering and Management Office - Code AE01 Marshall Space Flight Center, AL 35812

Written comments for inclusion in the final EIS also may be forwarded by mail to the address listed above, by fax to (205) 544-8259, or by e-mail to "x33eis@msfc.nasa.gov." Comments also may be provided by calling 1-800-833-0678 and leaving a message on the recording machine. We will do our best to transcribe verbal comments; however, we cannot guarantee the same accuracy as with written comments.

Public comment will be accepted through Aug. 18. The final EIS document is scheduled to be completed in September, with the Record of Decision scheduled for October.

For general information on the X-33 program, visit the program's Web site at http://rlv.msfc.nasa.gov, or contact Dr. Dominic A. Amatore, Deputy Director Public Affairs Office - Code CA01 Marshall Space Flight Center AL 35812 Phone: (205) 544-0031



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July 10, 1997

# Art Clayson's love of the desert has kept him at China Lake for 40 years

By Kathi Ramont

nother China Laker has joined the ranks of those who have worked here for 40 years. Arthur E. Clayson, the senior gun and ammunition engineer in the Ordnance Engineering and Evaluation Section, officially attained that status on June 16 at a presentation held in the admiral's office. RAdm. Jack Chenevey, NAW-CWPNS commander, presented the certificate and pin.

Clayson and his wife, Clydie, a paraprofessional at Invokern School, have eight children - Calvin, Cathleen, Alan, Roselie, Jane, Jessie, Aaron and Peter; and 15 grandchildren. "I've no retirement plans," he said. Echoing the sentiment of many, Clayson said he'd leave when work no longer seemed like fun. "There are still lots of interesting things going on," he added.

"It was an easy choice to come to China Lake," said Clayson. "After I graduated from the University of Nevada, Reno, in 1957 (mechanical engineering). I had a choice of Pasadena or here. And since I love the desert, I came here '

Presently, Clayson works in the Ordnance Engineering and Evaluation Section. He has direct engineering and responsibility management on

Percussion Electric Gun System (PEGS); the Laser Initiated Caseless Ammunition (Technology) Program; and Fleet G&A Logistics Support - engineering investigations and analyzes. Plus, Clayson has wide-ranging technical consultation on virtually all programs in his area, said Ron Jones, head of the Guns and Ammunition Engineering Section.

"Because of Art's long and effective service in the gun system technology area," Jones explained, "he frequently serves as the chief technical consultant for virtually all of the section's technical programs. He has been particularly useful when serving on tiger teams engaged in the evaluation or investigation of operational and safety problems identified by the fleet."

"Aircraft guns are not primary weapons," explained Clayson. "They are the backup weapons. It's a lot like working on a new, improved buggy whip for Henry Ford, but I still feel there is a future role for guns."

Jones also said Clayson's capabilities are highly regarded at the national level, and he is well-known and highly respected throughout the gun and ammunition community through his efforts with both contractors and other government agencies and activities. "He is frequently called upon to consult with the Navy and a number of contractors to resolve various technical issues." Jones added



TID photo

TIME-Arthur Clayson, and his wife Clydie, share a moment with RAdm. Jack Chenevey, commander, at Clayson's 40-year certificate presentation.

According to Clayson's coworkers, among his many favorable characteristics is a strong willingness and interest in passing on the knowledge and capabilities that he has developed over the years.

Since 1980, prior to when cognizance of the A/A49E-10 gun system program was transferred from China Lake to the Point Mugu in-service engineering office, Clayson's primary duties were to serve as the Navy's principal gun engitor for the AV-8B aircraft gun system. He was the single point of contact on all technical issues relative to this weapon system

Clayson was the designated program engineer during the development phase of the program. He was consulted by a broad spectrum of individuals from within the Navy and Marine Corps for input on virtually all technical, functional and



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#### THE ROCKETEER



Photo by Kathi Ramont

**OBSERVANCE**—RAdm. Jack Chenevey, NAWCWPNS commander, recently joined Tree Crabtree, former hIDEA president, and Ridgecrest Mayor Bill Lalor at a signing of the U.S. Space Observance Week proclamation. Celebrated throughout the scientific and engineering professions, the U.S. Space Program is involved in the peaceful exploration and utilization of space for the benefit of all mankind. A dinner, with speaker Dr. Roger Bourke of NASA's Jet Propulsion Laboratory in Pasadena, Calif., will be held at 6:30 p.m. on Thursday, July 24, at Farris' at the Heritage Inn. This event is open to the public. Dr. Bourke is a member of the technical staff of the Mars Exploration Directorate. He has been involved in planning future planetary missions for most of his 30 plus year career at JPL. Tickets are \$15 per plate bought in advance. Dinner choices are roast beef or teriyaki chicken. Both dinners include dessert. For reservations and tickets, please contact any of the following individuals: James Serpanos at 446-2838, David Southword at 927-1922, Valerie Rogers at 939-3515, Tree Crabtree at 927-1507 or Steve Goad at 939-9704.



Photo by Pat Baczkiewic

SPEECHLESS—MWRs Melissa Finnell and NAWS CO Capt. Stan Douglass Melissa Finnell receives CO Award

ost people who know me know that I'm never at a loss V for words," said Melissa Finnell, administrative officer for the Morale, Welfare and Recreation Department. "But this time I was truly at a loss." Finnell received a Commanding Officer's Award from Capt. Stan Douglass on May 28 at what she thought was going to be a regular staff meeting to discuss the American Heritage Celebration events. "They really pulled one over on me this time," she laughed.

The award was presented for her elimination of numerous wasteful procedures, policies and processes in the MWR Administrative Support Division during the

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past three years. Finnell said that with the great help and assistance from all the employees in MWR, many processes have been streamlined. "This award is for all of their hard work," she explained.

The Commanding Officer's Award consists of a plaque and a letter of appreciation. The award is designed to recognize and honor a person, civilian or military, who has demonstrated exceptional management and leadership support of mission accomplishments

According to her nomination by MWR Director Alonzie Scott, Finnell instituted efficient applications of both non-appropriated and appropriated funds, which eliminated wasteful processes and procedures.

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**SALE TO GET** 

# **Emergency Egress and Crashworthy Systems Department** China Lake team contributes to the Mars Pathfinder success story

By Barry McDonald and Kathi Ramont and Bill Martin

thy Systems Division Emeraency Earess and Crash

Before the air-bagged Pathfinder lander, recently renamed the Sagan Memorial Station, bounded to a safe landing on Mars, a long series of events slowed it to a speed the air bags could withstand. The Crew Systems Department at China Lake was involved in verifying components in the entry, descent and landing (EDL) phase of the mission — the retrorockets and radar altimeter

Half a dozen exuberant China Lakers returned from the Jet Propulsion Laboratory (JPL) in Pasadena Friday after the successful landing of the Mars Pathfinder on the Red Planet. They returned to the desert very pleased with the outcome of the mission

Invited to watch the landing on site were (all from Emergency Egress and Crashworthy Systems Division) Bill Martin, program manager; Mike Herr, project engineer (now division head); Elsa Hennings, parachute systems engineer; and Mary Jo Johnson, textile fabricator: and their families.

Along with Warren Ingram, instrumentation systems engineer, and Jack Ingle, test vehicle fabricator, who were unable to attend, this team spent nearly three years testing the innovative spacecraft landing concept and helped hone the various components of the Rocket Assisted Deceleration subsystem of Pathfinder. The program involved testing each component, both individually and as part of the overall system responsible for the EDL mission phase.

As the real process evolved last Friday, at an altitude of about 25,000 feet and a speed of 1,000 miles per hour, a 42-foot parachute deployed to slow and stabilize the system. At about 18,000 feet, a heat shield was jettisoned, leaving the rocket platform and landing package (a tetrahedron, five-feet on a side containing the micro-rover and support

equipment) still approaching the martian surface at 250 miles per hour. Next the landing package was lowered 65 feet below the rocket platform on a tether, or bridle, which was designed and built by members of the China Lake team.

Then the rocket platform, with payload suspended below it, continued to slow until it reached 150 miles per hour. At an altitude of about 250 feet, a radar altimeter in the rocket platform sensed the ground and an on-board computer fired the retrorockets, slowing the rate of descent to zero when the landing package was about 50 feet above the ground. The tether then separated from the landing package and the rocket motors burned for another 0.3 seconds, carrying the spent rocket platform and the parachute well away from the lander.

Falling free, slower than on Earth (Mars' gravity is only about 3/8 that of Earth's), the lander's impact was cushioned by air bags. In fact, the lander bounced high in the thin martian air several times before coming to rest. This technique allowed targeting the landing for an interesting rock and boulderstrewn area, which would have been unsafe for a full-propulsive landing technique. The air bags deflated and were withdrawn beneath the landing package. Next the three top panels opened like petals of a flower. The first images from Mars were received roughly six hours after the landing. The rover was deployed after an overnight delay to solve a temporary communications link problem

The China Lake team's first effort in support of the planetary exploration mission, starting in January 1994, involved proof-of-concept testing using subscale rocket motors and other components to demonstrate that the platform would be stable during the descent - an initial test to prove the general approach would work. "Ironically," said Bill Martin, "although the team's primary expertise is in parachutes, JPL assigned no parachute work to China Lake, as they used parachute development straight from the



**RETROROCKETS**—Live fire testing at the Weapons Survivability Laboratory helped ensure the success of the Mars Pathfinder mission

prior Viking missions." However, the China Lake test of the spacecraft landing rockets used Navy parachutes to aerially deploy simulated spacecraft test vehicles over the Station's G-Range drop zone.

A glitch was discovered when the team tested JPL's radar altimeter system. Its altimeter gave drop-outs and other mistiming the firing of the retro rockets on Mars. After design corrections, the final test of the improved radar set was "hair-raising" according to team members. Dropped from 7,500 feet above G-Range, the radar test vehicle reached a

inaccuracies that would have resulted in

velocity of 150 m.p.h. as it plummeted

Please see PATHFINDER, Page 8



SOJOURNER

visible in this image one of the first taken by the deployed mager for Mars Pathfinder on Sol 3 The rover has since moved into a position that later made use of the Alpha Proton X-Ray Spectrometer istrument on a rock named Barnacle Bill. The APXS, located at the rear of the rover. is not visible in this imaae

Images are located at http://mpfwww.jpl.nasa.gov



MARS-The two hills in the distance, approximately one to two kilometers away, have been dubbed the "Twin Peaks" and are of great interest to Pathfinder scientists as objects of future study. The white areas on the left hill, called the "Ski Run" by scientists, may have been formed by hydraulic processes.

#### July 10, 1997

warfighting capability.







## HORIZON from previous page The annual operating plan is a collection of metrics that identifies our progress against plan during the execution year, where we've diverged from plan and why. It allows us to identify trends and pinpoint problems that extend beyond a single business unit, program or platform - before they reach the critical stage. AOP also

serves as a single, accurate source of information to help us defend the personnel and infrastructure we need to sustain our Navy's There have been occasions in the past

when program budgets and associated business unit workload projections have failed to



disconnects must be reconciled to prevent

costly budget marks. The workload planning

system will provide a standard process with

common data definitions, improving our

ability to plan, protect and allocate our pre-

cious resources now and in the out years.

We've recently completed major exercises

across the TEAM, successfully integrating

local workload planning data with WPS and

using the results as input to budget submis-

management tools, will provide the structure

we need to increase dialogue at all levels.

Obviously, the usefulness of these tools is

AOP and WPS, along with other similar

sions. We're off to a good start.

take discipline and hard work, especially in the beginning, to keep them properly maintained. Feeding AOP and WPS is laborintensive at this stage. Plans are under way to increase automation as quickly as the technology and resources will allow. In the meantime, our corporate leaders and the CBO must limit their requests to data that is relevant, assign realistic deadlines and invite your views on where adjustments are needed. As with any new venture, there are startup costs, and the rewards are not immediately visible - but the investment is necessary and will provide a net benefit to our organization over time. I want value for the investment - not just added work.

High expectations and constant demands

for information are stressing our organization, and we're feeling it at all levels. We're being asked to open our books and share what we used to protect - respond to questions where there are no easy answers. Still, the current reality is undeniable. We must accept and accommodate it to move forward from a position of strength. Working together, we will build the trust it takes to put our cards on the table, knowing these internal discussions will lead to fair and reasonable decisions with the least possible disruption to our business.

We're on the right path. We must pull together to maintain course - to continue delivering unmatched support to the fleet. They deserve no less.



July 10, 1997

# Developing an Integrated Business Focus

By VAdm, John A. Lockard

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Te're seeing a great deal of activity these days as the Defense Department searches for ways to reduce cost and infrastructure. Numerous studies and calls for information have sent a resounding message - the budget is extremely tight, and the expectation from the highest levels is that we get the most value possible from every dollar we spend. Not only must we keep cost at an absolute minimum, we must continue delivering on our promise to provide the most effective, advanced systems and support to our operating forces. This is a heavy burden to bear, and it's going to take a fundamental change in the way we operate to ensure we can meet the challenge.

The recently published Quadrennial Defense Review speaks volumes about the coming "revolution in military affairs" that will allow us to dominate any future battlefield. To free up the resources necessary to build a superior fighting force, Secretary Cohen has also challenged the department to aggressively pursue a "revolution in business affairs" — adopting better business practices across the board to improve efficiency.

We need to respond to his directive by further integrating our TEAM in terms of the way we run our business. We've been operating with a business focus at the local level for several years now — managing investments, workload and execution in a fairly decentralized fashion, with generally positive financial results. In the past, we had enough of a financial cushion to allow for a good deal of autonomy and even accommodate an occasional "blip" in the system.

We are facing increased scrutiny over investments and financial results as a corporation. We must be able to explain where our money is going and quantify exactly what products and services our Navy is getting for that investment. We need to be able to anticipate workload demand and assign the right resources at the right time to stay competitive. And when the tough decisions must be made, as we know they will, accurate information and thoughtful analysis not best guess or past history — will provide the right solution, in the best interest of our TEAM and our Navy. To achieve this level of confidence and credibility, we must expand our focus and begin having strategic business discussions at the corporate level.

#### A catalyst for business integration

A command-level Corporate Business Office (CBO) was established recently to help focus our attention on strategic business issues and get people engaged in collaborative problem solving. The CBO itself is truly integrated with representatives from each of our business units, who reside temporarily at Headquarters, but retain strong links to their networks at home.

The reality is, we've grown up in different places with different languages, processes and tools for doing many of the same things. To begin to come together as a unified corporation, we must channel our collective experience into a set of common processes, definitions and tools for business planning and analysis. The CBO was created to serve as our "class desk" for business operations, to form enterprise teams that engage the right people at the right levels and to bring command-level attention to our most critical business issues.

The CBO will provide business-based research and analysis on cross-cutting issues to support leadership decisions. It will not remove decisions from the local knowledge base or become involved in day-to-day business operations. What the CBO will provide is a "systems architecture" for working together, sharing information and examining alternatives in collaborative forums. My intent is not to have the CBO run the business, but rather to ascertain how the business is running so we can optimize our investments, eliminate redundancy and make adjustments where necessary.

One of the primary assignments I've given the CBO is developing team-wide business processes and tools to make available consistent, accurate data we can all draw upon. The annual operating plan (AOP) and workload planning system (WPS) are two tools that are beginning to make progress toward that goal.

Please see HORIZON, next page



THE ROCKETEER



# A JOINT COST-CUTTING PLAN THAT WILL WORK FOR MILITARY PERSONNEL AND THEIR FAMILIES.

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members of the E/F IPT, have become involved. Representatives of various weapons programs, from both China Lake and Point Mugu, have traveled to Pax to help with setting up telemetry and doing loads analysis, preflight planning and real time launch support.

"Where we really begin to see the advantages of the integrated product team approach," said Godwin, "is in the software support being provided even now at this phase of the flight testing from people here at the WSSA. They're writing code changes to the OFP (operational flight program) based on inputs they're receiving from the ITT. Because of our electronic communications capabilities, they can send those changes to the test team and have them incorporated in the EMD aircraft. There is a constant dialog going back forth between the ITT and the WSSA, which means that when the aircraft arrives here for integration testing, changes from what was learned at Pax won't have to be implemented - the software will already be the best that it can be to that point And the fine tuning by the WSSA can begin immediately."

The key element to helping make software changes during the current flight testing on the East Coast is the WSSA's F/A-18E/F Integration Laboratory. Even before the first Super Hornets were undergoing early flight testing, a team of China Lake engineers were developing new, and upgrading existing, hardware-in-the-loop system integration and test components for the new E/F "bench." According to Bechtel, the integration lab was the WSSA's first major task for the Super Hornet effort. It became operational in November 1996. This bench will be a major component of the integration testing once F2 arrives at China Lake, and after the Super Hornet is released for fleet use it will continue to serve the program, providing quick response investigations of fleet-reported problems and correction and verification of changes throughout the air-







Photo by Kathi Ramont

BRIDLE-In front of a souvenir Pathfinder poster and a photo of the tower rocket test, members of the Emergency Egress and Crashworthy Systems Division, (left to right) Mike Herr, Bill Martin, Warren Ingram, Jack Ingle, (front I-r) Mary Jo Johnson and Elsa Hennings hold a test bridle like the one used on the Mars Pathfinder. This team spent nearly three years testing the innovative spacecraft landing concept and helped hone the various components of the Rocket Assisted Deceleration subsystem of the Pathfinder. That involved testing each component, both individually and as part of the overall system responsible for the entry/descent/landing mission phase.

Third trip to Red Planet for U.S.

Mars Pathfinder, the second Discovery-class mission of the National Aeronautics and Space Administration (NASA), is the first U.S. spacecraft to land on the Red Planet since Viking 21 years ago.

Consisting of a cruise stage, an aeroshell, a lander, a microrover and several science instruments, Mars Pathfinder landed on the surface of Mars on July 4. The flight system was launched on Dec. 4, 1996, on a Delta II-7925 launch vehicle, which included a Payload Assist Module D upper stage, from the Cape Canaveral Air Force Station.

After launch, the spacecraft required seven months to reach Mars.

This mission was developed to demonstrate the technologies needed for low-cost lander missions. Pathfinder's rover, named Sojourner, along with three science instruments - a stereoscopic imager for Mars Pathfinder with 12 color filters on an extendible mast, and atmospheric structure instrument meteorology package and an aplpha proton x-ray spectrometer - will perform detailed investigations of the martian surface

Data gathered will include information on surface geology, mineralogy and elemental composition of rocks and soil, magnetic properties of dust and a variety of atmospheric investigations, including daily weather reports and the structure of the atmosphere with altitude.

The landing site is at the mouth of a giant outflow channel called Ares Vallis. It offers the potential to identify and analyze a variety of crustal materials. If the lander and rover continue to perform well, the lander may continue to operate for up to one martian year just under two Earth years. And the microrover will operate for up to 30 sols - a martian sol is about 24 and a half Earth hours.

-Information provided by the Jel Propulsion Laboratory, California Institute of Technology, Pasadena.



## PATHFINDER from Page 6

downward. The radar, simulating a low altitude rocket ignition, deployed the recovery parachute at just 512 feet above ground, less than three seconds from a crash impact. The full parachute deployment occurred at about 200 feet and effected a perfect soft landing. Team members were holding their breath during the drop, as a late opening or parachute failure would have meant a destroyed spacecraft radar set.

Subsequent tests of full scale components included inert drops to test rocket initiation devices, live firings of the retrorockets, radar performance verification and actual mission hardware spacecraft separation tests - the first test series performed in the Missile Engagement Simulation Arena (MESA - Jon. A. Wunderlich Laboratory).

Then on Dec. 23, 1995, a full-scale, full-up test article was dropped from a large helicopter to test the entire EDL process from parachute deployment, through rocket firing, to package separation. Except for some rocket motor anomalies, the test was a success, and the component designs verified in the test series were those used in the mission launched a year later.

The initial full-scale rocket firings showed instability in the rocket motors. Enlisting the help of Fred Blomshield, of the Propulsion Research Section of the Weapons/Targets Department, JPL came back with a reconfigured motor propellant,

which the team tested at a tower set-up at the Weapons Survivability Laboratory. Mike Gray served as the firing officer for the test series at WSL. Those tests demonstrated stable combustion and JPL changed the flight motors accordingly.

The Crew Systems Department has already conducted a test for the next mission to Mars at the next planetary conjunction, the Mars 1998 Global Surveyor. This again involved simulating a martian lander with an in-house-built simulated spacecraft. The Mars Global Surveyor radar altimeter was monitored for its reactions to the approaching terrain. This mission will involve a fully propulsive landing, as it is going to a smooth polar region of Mars, and will not need the airbag landing system

Supporting yet another space effort, the Champollion mission will chase down a comet, land on it, attach itself to the comet, take a sample of the comet's "soil" and send it back to earth, while maintaining its cryogenic status. JPL has asked the Crew Systems Department to develop the spikes that will attach the Champollion to the zero-gravity comet. Tests are currently underway at WSL, using a 40-foot air cannon to shoot the spikes into substances that simulate the mass and shear force of the comet's surface as stipulated by JPL.

For more information on the Mars Pathfinder mission, and other JPL space programs, check out http://mpfwww.jpl. nasa.gov



# SUPER HORNET from Page 1

craft's life cycle

"The mission systems work done here at China Lake is like the blood flowing through the veins of the aircraft," Godwin said, praising the WSSA. "We can build the airframe and get the basic structure and components assembled, but it's the OFP that brings the aircraft to life. I was just pointing out to Darrell (Maxwell, NAWCWPNS F/A-18 program lead) that we've had three OFPs in a row with very few modifica-



F/A-18F2 executes first live fire test of an AIM-120 AMRAAM from a Super Hornet on May 5, as weapons separation tests continue at Pax.

tions, delivering them on cost and on schedule."

Godwin also had praise for the F/A-18E/F Avionics Test Bed (ATB) aircraft that arrived back at China Lake in April after modification at McDonnell Douglas' St. Louis plant. "The ATB provides great risk reduction by allowing some weapons integration testing even before the actual E/F arrives at China Lake," the program manager said.

The ATB is an F/A-18D that was reconfigured to mimic the E/F. The dual bus E/F weapons stores management system (SMS) was installed in the wings and pylons, and the ATB aircraft has reconfigurable outboard pylons that can represent either the midboard or new E/F outboard weapon stations. Digital wingtip provisions for AIM-9X and a hardware interface for an ALE-50 towed decoy centerline pod was added. The modification installed many of the E/F unique electronics subsystems, including the new display suite, creating an airborne test platform that can test all weapons currently cleared for carriage on the D version during the year before F2 arrives.

"With this configuration," said Tim Hofer, avionics test bed project manager of the Tactical Aircraft Avionics Systems Branch, "the E/F avionics test bed aircraft will be a valuable tool for early testing of new E/F electronic interfaces between weapons, sensors, electronic warfare emitters, aircraft computers and cockpit displays. This one-of-a-kind aircraft is important, because the 13E operational flight program is under development, and this is the only aircraft that can fly the software right now."

In addition to the various military and civilian NAW-CWPNS who've worked at Pax on the ITT and the WSSA members electronically linked to the flight test program, still others at NAWCWPNS have contributed behind the scenes and are contributing to the care and nurturing of the E/F. The second article in this series, in the July 24 Rocketeer, will detail some of those contributions.

total range of Surface Targets customers. (5) Coordination with Naval Construction Battalion Center (CBC), including port officials as the NAWCWPNS fccal point for Seaborne operation. (6) Marketing and managing of CTEIP and I&M programs to improve efficiency, effective ness, and utilization of seaborne systems. Selectee must be able to obtain and maintain a Secret clearance. Quality-Ranking Factors: (1) Technical Quality-Ranking Factor: Demonstrated knowledge of ace targets/target systems programs. (2) DAWIA Quality-Ranking Factor: Ability to meet the mandatory experience, education, and training requirements for the Level 3, Career Field (Program Management) within 18 months of entering the position. Selection will be made at the DP-3 level; selectee may be promoted to the DP-4 level without further competition. A supplemental narrative addressing qualifications to each quality-ranking factor is highly recommended. If forwarding application via Guard Mail, call Pam at 351-3308. Note 4 applies.

No. 50-010-JM7, Administrative Officer, DP-341-03 (Promotion Potential to DP-341-04). Test and Evaluation Competency. Administrative Management Office, Code 5D0000E-Area of Consideration: Current appointable employees at NAWCWPNS. Opening Date: 7-10-97. Closing Date: 7-24-97. Selecting Official: Steve Mendonca, (805) 989-7275 (DSN 351-7275). HRD Contact: Meadows, (805) 989-3261 (DSN 351-3261). Perm nanent Change of Duty Station Authorized: No. Summary of Duties: The ncumbent serves as the Head of the Administrative Management Office and principal advisor to the Level 1 Competency Leader on business and financial management. He/she provides comprehensive staff and management services, consultation, and advice to the staff and management of five departments located at several sites. The position coordinates all resource management, including financial and personnel, organizational analysis, contract administration, administralive policy, and facilities, safety and security programs. Emphasis is placed on communicating and resolving administrative matters for the Competency, which often involves presentations at various sites and activities. The incumbent initiates studies and analyses to plan source allocation requirements, define organizational deficiencies, and resolve issues. He/she is expected to serve as a contributing member of the Competency Management Board. In the area of business management, the incumbent establishes policies, guidelines, plans, and priorities under the direction of Level 1; identifies required resources; plans and coordinates with others; monitors progress and evaluates outcomes; and improves organizational efficiency and effectiveness. Must demonstrate knowledge in budget formulation and execution, personnel management, and contract administration is required to be a successful candidate. The position directly supervises a small staff and indirectly provides policy direction to the business managers at the department level. Frequent travel may be required. Selectee must maintain a Secret clearance. Quality Ranking ctors: (1) Technical Quality-Ranking Factor: Demonstrated skill in the direction of business/financial management for a large organiza-tion with a diverse workforce and multiple financial systems. (2) Supervisory Quality-Ranking Factor: Ability to lead a management team, administer and renegotiate an MRTFB budget, apply EEO/affirmative action principles in making employment s, and communicate orally and in writing. (3) DAWIA Quality-Ranking Factor: Ability to meet the mandatory experience, education, and training requirements for the Level 3, Career Field, Business, Cost Estimating, and Financial Management within 18 months of entering the position. Note: Selection will be made at the DP-3 level. A supplemental narrative addressing your qualifications to each quality-ranking factor is highly recommended. If forwarding application via guard mail, call Jan at DSN 351-3261. Notes 2 and 4 apply.

#### CURRENT APPOINTABLE CIVILIAN EMPLOYEES.

No. 41-015-RF7, Interdisciplinary (Engineering Technician/ Electronics Technician), DP-802/856-4, Code 411000D—Area of Consideration: Current appointable civilian employees. Duty Station: China Lake. Opening Date: 7-10-97. Closing Date: 8-11-97. Selecting Official: Steve Underwood, (760) 939-3197. HRD Contact: Robert Fitzpatrick, (760) 939-8117. Permanent Change of Duty Station Authorized: No. Summary of Duties: More than one vacancy may be filled by this announcement. Incumbent of position will perform the duties of a senior systems engineer within the Systems Engineering Management competency (411000D). The Systems Engineering Management competency is responsible for supplying systems engineering management personnel to support the Naval Air Systems Team platforms and avionics integration IPTs. The current IPT offices supported by 411000D include F/A-18, F-14, AV-8B, EA-6B, AH-1, TACAIR EW, JSF/F-22, and TAMPS. The selectee will be assigned to one of these IPTs via a Team Assignment Agreement and will be directly accountable to the site IPT leader for cost, schedule, and performance requirements of assigned projects and tasking. Typical assignments could include TACAIR concept opment and analysis, development, and marketing/transition of TACAIR research and development concepts, responsibility for major platform upgrades, integration of fire control/targeting system upgrades, integration and/or development of electronic warfare systems, integration and/or development of information warfare

#### LONG-TERM OFF-CENTER ASSIGNMENT

The following is a 1-year developmental assignment located in Arlington, VA, and Patuxent River, MD. DP-3/4s from the 300/500/800/1300/1500 series with a minimum of 5 years of NAWCWPNS experience will be considered. A Secret clearance is required for

this position. This vacancy is being filled on a reassignment basis only. Funding is being provided by NAVAIRHQ. Resource Systems Analyst (DP-301-3/4). The incumbent will be selected and the assignment directed by the Office of the Executive Director (Code 00B000D). The incumbent will remain in the home code throughout the assignment. Summary of Duties. This is a 364-day developmental position located in the NAVAIR Corporate Business Office (CBO). For additional information, contact Linda Andrews (939-2984 or 939-3409) or Mike Chan (939-2344). The DSN prefix for Ms. Andrews and Mr. Chan is 437. The incumbent will be assigned o one of the CBO Teams (Strategy/Planning/Execution) for a period of 364 days. The CBO is chartered with assisting senior NAVAIR management in balancing TEAM resources to produce TEAM product, and effectively meeting the needs of customers' requirements. The CBO is in the process of defining TEAM business processes for the entire NAVAIR organization. Apply by submitting a current SF-171 OF-612, or resume (see OF-510) to Code 730000D (Saundra Wydra, Bldg. 2335, Room 202, 939-2434) or Code 731000E (Lillian Cabello Bidg. 211, 989-3347) by COB Thursday, 24 July 1997. Previous applicants need not re-apply.

systems, as well as coordination with common avionics, trainers, and ground support engineering activities. Typical duties include planning, controlling, evaluating, and coordinating the technical efforts of diverse functional task teams, multidisciplinary product teams, and systems ntegration teams needed to satisfy customer requirements; and developing plans and schedules with defined milestones and cost. schedule, and performance monitoring and tracking corrective actions as needed. Technical Quality-Ranking Factor: Skill in engineering nanagement of complex naval aircraft/weapons integration projects the management of research, development, and test and evaluation programs and/or activities associated with naval aircraft systems. Ability to organize, manage, and lead integrated product teams; identify, present, defend, and manage the resources necessary to ms and/or subsystems from inception to life-cycle support p support. DAWIA Quality-Ranking Factor: Ability to meet the nandatory experience, education, and training requirements of the Career Development Program for Level III of the Systems Planning, Research, Development, and Engineering Field (Category S) in accordance with DOD Manual 5000/52M within 18 months of entering the position. Selectee must be a current member of the Acquisition Professional Community (APC) or become an APC member prior to assignment. The incumbent will be required to obtain and maintain a Top Secret clearance. Full performance level for this position is DP-4. Notes 3 and 4 apply.

No. 41-016-RF7, Interdisciplinary (General Engineer/Physicist/ Operations Research Analyst/Mathematician/Computer Scientist), DP-801/1310/1515/ 1520/1550-4. Code 411000D/E-Area of Consideration: Current appointable civilian employees. Duty Station: China Lake or Point Mugu. Opening Date: 7-10-97 Closing Date: 8-11-97. Selecting Official: Steve Underwood, (760) 939-3197. HRD Contact: Robert Fitzpatrick, (760) 939-8117. ent Change of Duty Station Authorized: No. Summary of Duties: More than one vacancy may be filled by this announcement Incumbent of position will perform the duties of a senior systems engineer within the Systems Engineering Management Competency (411000D/E). The Systems Engineering Management Competency is responsible for supplying systems engineering management person-nel to support the Naval Air Systems Team platforms and avionics integration IPTs. The current IPT offices supported by 411000D/E include F/A-18, F-14, AV-8B, EA-6B, AH-1, TACAIR EW, JSF/F-22, and TAMPS. The selectee will be assigned to one of these IPTs via a Team Assignment Agreement and will be directly accountable to the site IPT leader for cost, schedule, and performance requirements of assigned projects and tasking. Typical assignments could include TACAIR concept development and analysis; development and marketing/transition of TACAIR research and development concepts; responsibility for major platform upgrades; integration of fire control/targeting system upgrades; integration and/or development of electronic warfare systems; integration and/or development of information warfare systems; as well as coordination with common avionics trainers, and ground support engineering activities. Typical duties include planning, controlling, evaluating, and coordinating the technical efforts of diverse functional task teams, multidisciplinary product teams, and systems integration teams needed to satisfy customer requirements; and developing plans and schedules with defined milestones and cost, schedule, and performance monitoring and tracking corrective actions as needed. Technical Quality Ranking Factor: Skill in engineering management of complex nava aircraft/weapons integration projects; the management of research, development, and test and evaluation programs and/or activities associated with naval aircraft systems. Ability to organize, manage, and lead integrated product teams; identify, present, defend, and manage the resources necessary to support platforms and/or ms from inception to life-cycle support. DAWIA Quality-Ranking Factor: Ability to meet the mandatory experience, education, and training requirements of the Career Development Program for Level III of the Systems Planning, Research, Development, and ring Field (Category S) in accordance with DOD Manua 5000/52M within 18 months of entering the position. Selectee must be a current member of the Acquisition Professional Community (APC) or become an APC member prior to assignment. The incumbent will be required to obtain and maintain a Top Secret clearance. Full performance level for this position is DP-4. Notes 3, 4, and 5 apply.

#### REASSIGNMENT

No. 473-010-RP7. Supervisory Interdisciplinary (General/ Mechanical/Aerospace/Chemical Engineer/Physicist/Chemist), DP-801/830/861/893/1310/1320-4, Weapons/Targets Department Airframe, Ordnance, and Propulsion Division, Prop Propulsion Control Integration Systems Section, Code 473220D—Area of Consideration: NAWCWPNS. Duty Station: China Lake. Opening Date: 7-10-97. Closing Date: 7-24-97. Selecting Official: Stuart Blashill, (760) 939-7210. HRD Contact: Julie Rodriguez, (760) 939-2693. Permanent Change of Duty Station Authorized: No. Summary of Duties: The incumbent serves as Head, Propulsion Control Integration Systems Section and will be responsible for a multidisciplined organization of approximately 20 engineers, technical, and support personnel. The section supports engineering efforts associated with the technology, development, in-service engineering, and integration of components for solid and divert propulsion, thrust vector and thrust management control systems, ing/firing devices, missile control actuation and power systems and insensitive munitions mitigation devices. The incumbent will interface with IPTs and EDTs on supported projects including Standard Missile, Theater Missile Defense, SDDM, AIM-9X, Vertical Launch ASROC, JDAM, JSOW, Insensitive Munitions Advanced Development and Air Weaponry Technology. The incumbent must have knowledge of affirmative action principles, including a willingness to impleme EEO practices, policies, and procedures; ability to perform as a firstline supervisor; 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 with-in 18 months of entering this position. Incumbent must be able to obtain and maintain a Secret clearance. Notes 2 and 4 apply.

No. 52-009-JM7, (1) Supervisory General Engineer, DP-801-4 or Supervisory Interdisciplinary Engineer (Supervisory Mechanical Engineer, DP-830-4/Supervisory Electronics Engineer, DP-855-4/Supervisory Aerospace Engineer, DP-861-4/Supervisory Physicist, DP-1310-4/Supervisory Mathematician, DP-1520-4), Test and Evaluation Competency, Pacific Ranges and Facilities Department, Metric and TSPI Division, Code 522000E-Area of Consideration: Current appointable DP-4 employees at NAWC-WPNS. Opening Date: 7-10-97. Closing Date: 7-24-97. Selecting Official: A. K. Rogers, (760) 939-4803. HRD Contact: Jan Meadows, (805) 989-326. Permanent Change of Duty Station No. Summary of Duties: The incumbent serves as the Metric and TSPI Division Head and may be physically located at either the Point Mugu or China Lake site. The Division consists of 10 dual sited branches. The incumbent is responsible for providing direction within the Division and serving as the focal point to guarantee that quality services are provided to customers. Customers include Navy. Army, and Air Force services, foreign military organizations, and commercial enterprises. The incumbent is responsible for directing, planning, organizing, and executing within budget as well as evaluat-ing and coordinating the work of Metric and TSPI operations. Major functions of the Division include multilateration systems, photo and video operations, Metric and TSPI systems design, land and sea range radar, metrology, and in-service support. The position will exercise oversight of Metric and TSPI development programs. As a senior manager in the department, the incumbent will participate in the planning and implementation of near- and long-term strategies. As a supervisor, the incumbent must demonstrate the ability to lead a management team; organize a complex variety of simultaneous multi site tasks; apply EEO/affirmative action principles in making employment decisions; and communicate with a diverse group of customers both orally and in writing. The selectee will be required to obtain and maintain a Top Secret clearance. Selectee is also required to mee the mandatory DAWIA requirements for Level 3 of the Test and Evaluation Engineering career field within 18 months of entering this position. The selectee must be a member of the APC or become a member prior to assignment. Interested candidates should send an updated application (e.g., resume, OP-612, or SF-171) to Jan Meadows, Code 731000E. Note: If forwarding application via guard mail, call Jan at DSN 351-3261. Notes 2 and 4 apply

July 10, 1997



by attending a course.

certified.

available

summer and on the web site.

of summer.

The Information Management Department's Acquisition Support Branch (Code 721200D/E) has a Point Mugu/China Lake NAWCWPNS-wide contract for per-call remedial and preventative maintenance of IBM, IBM-clone personal computer systems, and generic-brand terminals. This is

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 b addressed to Ron Rogers at 989-3997 (DSN 351-3997), FAX 989-9846 (DSN 351-9846).



# NAVAL AIR WARFARE CENTER WEAPONS DIVISION

# **ANNOUNCEMENTS**



## ALL NAWCWPNS SITES GENERAL ANNOUNCEMENTS

#### FOREIGN VISITOR SPONSORS TRAINING

Are you expecting foreign visitors to your workplace? Effective 15 August, all Department of Defense sponsors must become certified before sponsoring foreign visitors onboard China Lake and Point Mugu. Certification is achieved

Training sessions have been scheduled at China Lake. The classes will be held on 23 July and 7 August from 1300 to 1700. All sessions will be held at the Training Center.

A session will be held at the Point Mugu Training Center on 29 July from 1300 to 1700

This course is required for NAWCWPNS personnel sponsoring foreign visitors to base facilities. Its purpose is to certify sponsors and ensure that they know their duties and responsibilities for sponsoring foreign visitors.

Security procedures during visits, types of visits, and the proper procedures for processing foreign visit requests will be discussed. Administrators and office managers directly supporting foreign military sales activities are also encouraged to attend, however, only DOD NAWCWPNS personnel will be

To enroll in a session, contact Patrick Sammon, Foreign Visit Coordinator, at 989-7252 or DSN 351-7252.

#### TSP CHANGES

In-Service Withdrawals: Beginning in October, employees will be able to withdraw funds from TSP while they are still working. The following in-service withdrawal options will be

Employees Age 59-1/2 or Older - Will have a once in a lifetime option to make a withdrawal. They will be able to withdraw some of their funds without a tax penalty, but the money will be subject to 20% withholding. A new TSP form has been developed; TSP Form 75 will be available at web site www.tsp.gov. Employees who get an age-based withdrawal can continue to contribute to their TSP fund.

Financial Hardship - Subject to the same kind of documentation requirements that we previously required for financial hardship loans, employees will be able to withdraw their own funds and associated earnings. This is not a one-time deal. Employees must stop their contributions for 6 months. The 10% tax penalty will apply, and there will be a 20% withholding for federal taxes. Employees can get a hardship withdrawal every 6 months. The employee who receives a hardship withdrawal has to stop their contributions for 6 months; at the end of that time, he/she will receive a notice that they can re-enroll. Employees will be directed to bring the notice to their personnel office and will be able to re-enroll effective the next pay period after bringing the notice and completing the TSP-1. The only disadvantage is if someone voluntarily terminates enrollment and then gets a hardship withdrawal; if the 6 months is up earlier than the next open season, they could re-enroll on whichever date is later. A booklet on the subject will be available at the end of this

Revised Booklets: The new loan booklet is available at the China Lake site, and some are being shipped to Point Mugu. The revised TSP-20 will not be distributed until the end

The summary booklet and the guide to TSP Investments booklet have been revised, but the old versions are still usable. Several of the books are available, so new ones will not be ordered until the available supply is used up.

Possible Changes: Senate Bill S14 would allow immediate employee contributions (for new hires and rehires) to TSP with agency contributions remaining as they are now.

#### IBM AND IBM-CLONE AND GENERIC-BRAND **TERMINAL MAINTENANCE CONTRACT** AVAILABLE

		TSP INFORM	ATION		
Months	<u>C Fund</u>	Barclays Equity Index Fund	F Fund*	Barclays U.S. Debt Index Fund	<u>G Fund</u>
1992 (Jan Dec.)	7.70%	7.61%	7.20%	7.37%	7.23%
1993 (Jan Dec.)	10.13%	10.10%	9.52%	9.74%	6.14%
1994 (Jan Dec.)	1.33%	1.32%	(2.96%)	(2.96%)	7.22%
1995 (Jan Dec.)	37.41%	37.62%	18.31%	18.49%	7.03%
1996 (Jan Dec.)	22.85	22.98%	3.66%	3.73%	6.76%
1996					
June	0.38	0.38	1.34	1.35	0.57
July	(4.39)	(4.42)	0.27	0.27	0.58
August	2.07	2.11	(0.18)	(0.17)	0.58
September	5.60	5.63	1.72	1.74	0.58
October	2.74	2.76	2.21	2.22	0.58
November	7.54	7.57	1.69	1.71	0.53
December	(1.97)	(1.98)	(0.93)	(0.92)	0.53
1997					
January	6.22	6.25	0.30	0.30	0.56
February	0.79	0.80	0.24	0.25	0.51
March	(4.13)	(4.11)	(1.11)	(1.11)	0.57
April	6.00	5.99	1.49	1.50	0.58
May	6.07	6.08	0.94	0.95	0.58
			5		
Last 12 months	29.29%	29.46%	8.22%	8.31%	6.97%

Percentages in () are negative.

\*Through 1990, the F Fund was invested in the Barclays Bond Index Fund

The C Fund is invested in the Barclays Equity Index Fund, which tracks the S&P 500 stock index. The F Fund is invested n the Barclays U.S. Debt Index Fund, which tracks the Lehman Brothers Aggregate bond index. The G Fund is invested in special issues of U.S. Treasury securities.

The monthly C, F, and G Fund returns represent net earnings for the month, after deducting of accrued administrative expenses. The C and F Fund returns also reflect the deduction of trading costs and accrued investment management fees. The C, F, and G Fund monthly returns are dollar-weighted; they reflect net earnings on the changing balances invested

during the month. The C, F, and G Fund returns for the last 12 months assume, except for the crediting of earnings, unchanging balances (time-weighting) from month to month and assume earnings are compounded on a monthly basis.

The C and F Fund returns vary from the Barclays returns because of expenses and changing balances in the C and F Funds. The Barclays returns are time-weighted; they assume constant dollar balances invested during each month and throughout the period.

Future performance of the three funds will vary and may be significantly different from the returns shown. See the 'Summary of the Thrift Savings Plan" for detailed information about the funds and their investment risks.

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. You should have received an updated pamphlet in the mail

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

The interest rate for loans approved in August is 6.875%. For funds to be disbursed in August, the complete package must reach the TSP Service Office by 6 August.

Account balances will be available through the ThriftLine after the seventh business day of the month. To obtain your account balance, call (504) 255-8777.

Note: The Program Manager for TSP for both sites is Peggy Topham; at Point Mugu call 989-3323; at China Lake call 939-2574

1**B** 

a time-and-materials contract (nonmandatory) and has been initiated to provide primary or alternative service support. The contractor's response time is 4 hours after the trouble call is retrieved from the Customer Support Center

Contractor: Federal Computer Internationa

Contract Number: N68936-96-D-0112

Performance Period: 1 October 1996 through 30 September 2001

Cost: \$21 per hour with a 1-hour minimum, plus parts/ materials

There is an 11% contract administration surcharge.

Replacement part upgrades, in lieu of repairs necessary to retain or become operationally compatible state-of-the-art peripherals and software, not to exceed \$2500, may be authorized by the COR on a case-by-case basis.

If you want to use this contract, contact the Customer Support Center for Point Mugu at 989-8083 or China Lake at 939-1200 and provide the following information: model number, serial number, bar code, a brief description of the problem, contract/requester's name and code, phone number, job order number, and the building and room the equipment is located in.

For further information, contact Jim Revnolds (COR), Code 721200E, at (805) 989-3626 (DSN 351-3626).

#### **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 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 for changes to the contract will be in January 1998.

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

#### 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.

Qualified applicants must be a legal dependent of the NAWCWPNS Intranet web site can only be accessed by

#### UNIVERSITY OF TENNESSEE MASTERS DEGREE PROGRAM

The University of Tennessee Space Institute (UTSI) announces its tentative schedule for Fall 1997 and Spring 1998. Classes are for graduate credit and currently cost \$650 per 3-hour course. All courses listed are 3 hours and are provided on video tape for students to view in their homes. Prospective students may request admission in a non-degree status or as a degree candidates. Graduates of the Navy and Air Force Test Pilot School receive credit for 12 graduate hours. The program leads to a master of science degree in aviation systems from UTSI. The fall semester begins 27 August.

#### Tentative Fall Schedule

AS 503	Air Vehicles - Dr. Solies
AS 505	Governmental Policies - Dr. Kimberlin
AS 510	Special Topics: Helicopter Performance - Dr. Lewis
AS 521	Experimental Flight Mechanics Performance - Dr. Kimberlin
AS 588	Measurement Science I - Dr. Paludan
IE 518	Advanced Engineering Economy
EM 537	Analytical Methods for Engineering Managers - Dr. Garrison
EI 519	Human Factors Engineering I - Dr. Hungerfork, UTK

#### Tentative Spring Schedule

AS 504	Airports and the Community - Dr. Hansen
AS 506	Aircraft Design - Dr. Solies
AS 510	Special Topics: Helicopter Stability and Control - Dr. Lewis
AS 510	Special Topics: Introduction to Airborne Radar - Dr. Paludan
AS 522	Experimental Flight Mechanics: Stability and Control - Dr. Kimberlin
AS 588	Measurement Science I - Dr. Paludan
IE 518	Advanced Engineering Economy
IE 521	Human Factors Methodology - Dr. Hungerford - UTK

To obtain more information, admission requirements, 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, 610 Blandy Ave., Office C, on Tuesdays and Wednesdays from 0900 to 1200.

member, (1) graduated or scheduled to graduate (current semester from an accredited high school or attending an accredited college), (2) maintained a grade point average of 2.5 or above in academic subjects, and (3) been accepted at an accredited institution of higher education or presently attending college.

Applicants must provide transcripts, write an essay, and

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.

#### NEW NAWCWPNS INTRANET WEBSERVER

You can now visit the new NAWCWPNS INTRAnet web site located at http://on-site.nawcwpns.navy.mil. The

addresses from chinalake.navy.mil (TCP/IP addresses of 129.131.xxx.xxx), mugu.navy.mil (TCP/IP addresses of 143.113.xxx.xxx), nawcwpns.navy.mil (TCP/IP addresses of 206.37.206.xxx), and our local FDDI users (TCP/IP addresses of 199.211.xxx.xxx).

The old NAWCWPNS Intranet site at www1.chinalake.navy.mil (also known as www.chinalake.navy.mil and www1.vislab. navy.mil) has been replaced by on-site.nawcwpns.navy.mil.

The NAWCWPNS internet can still be found at

http://www.nawcwpns.navy.mil and is accessed by the WORLD.

(For those of you who have been wondering what happened to EarlyBird, you can navigate to their page from the Intranet, General category, News link and also from the Internet, NAWCWPNS WWW Resources link.)

We encourage you to contact us. We can provide you with links to your already existing web pages and/or build pages for you on a cost-reimbursable basis. Send your comments and suggestions to us at web.admin@mail.chinalake.navv.mil.

#### 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.

#### BCBS REPRESENTATIVE TO VISIT CHINA LAKE

The Blue Cross/Blue Shield (BCBS) service representative will be at China Lake on Tuesday, 15 July. 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 to1100 and 1230 to 1430. The BCBS representative is also available by email at USBCCSVC@IBMMAIL COM

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

#### 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.

## CHINA LAKE

#### ANTONIO "TONY" SCHULTZ

Antonio "Tony" Schultz has retired after more than 31 years of federal service. A retirement luncheon will be held in his honor at Nickoletti's on 16 July at 1115. For reservations, presentations, or gift donations, contact Lydia Groat at 939-3805 or Jeannie Denson at 939-3705 by 14 July.

#### 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 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

#### WRITING AND EDITING SERVICES

TID's writer/editors are available to help you with your formal and informal reporting requirements. We can do anything from a fast read-through to a thorough edit of your report, or we can generate the report for you. To obtain a free estimate or obtain further information, contact Ramona Bernard at 939-3740 (DSN 437-3740).

#### July 10, 1997

for this position is DP-3. Notes 3 and 4 apply.

July 10, 1997

Targets Department, Weapons/Targets Integration Division, Strike Analysis Branch, Code 471220D—Area of Consideration: China Lake. Duty Station: China Lake. Opening Date: 7-10-97. Closing Date: 7-17-97. Selecting Official: Barry Show, (760) 927-3131. HRD Contact: Kay Behrmann, (760) 939-2736. Permanent Change of Duty Station Authorized: No. Summary of Duties: The incumbent will be responsible for the incorporation of real-time automatic target recognition (ATR) algorithms into the seeker-to-sensor computer system supporting the Cruise Missile Real Time Re-Targeting (CMRTR) Project. The incumbent will have overall technical responsibility for the design and implementation of all hardware and software configurations to support CMRTR integration onto a T-39 testbed aircraft and the integration of CMRTR into a real-time LADAR scene injection hardware-in-the-loop (HWIL) facility. Technical Quality-Ranking Factor: Knowledge of LADAR seekers, GPS/INS systems, embedded parallel computers, embedded graphics systems, real-time hardware/software debugging, configuring embedded parallel computers, and modifying vxWorks kernels; and skill with Mercury Computer Systems MC/OS parallel operating system, vxWorks Tornado, vxWorks BSPs, SHARC DSP program mbedded PowerPC programming and VME system design. DAWIA Quality-Ranking Factor: Ability to meet the mandatory experience, education, and training requirements of the Career Development Program for Level III of the Systems Planning Research, Development, and Engineering Career Field (Category S) in accordance with DOD Manual 5000/52M within 18 months of entering the position. The incumbent will be required to obtain and maintain a Top Secret clearance. Full performance level for this position is DP-3

No. 473-006-RP7, Office Manager, DG-303-1/2, Code 473440D—Area of Consideration: China Lake. Location of Position: China Lake. Opening Date: 7-10-97. Closing Date: 7-24-97. Selecting Official: Ron Jones, (760) 927-2995. HRD Contact: Julie Rodriguez, (760) 939-2693. Permanent Change of Duty Station Authorized: No. Summary of Duties: This position is

and date will be accepted.)

All vacancies are subject to restrictions imposed by the DOD Priority Placement Program (PPP). All vacancies are subject to restrictions imposed by the DOD Priority Fracement 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.

satellite communications; the Global Broadcasting System (GBS)/military satellites: and sensor-to-shooter technologies. DAWIA Quality-Ranking Factor: Ability to meet the mandatory experience, education, and training requirements of the Career Development Program for Level III of the Communications/Computer Systems Career Field (Category R) in accordance with DOD Manual 5000/52M within 18 months of entering the position. The incumbent will be required to obtain and maintain a Top Secret clearance. Full performance level

# No. 471-014-GB7, Computer Specialist, DP-334-3, Weapons/

#### Notes 3 and 4 apply.

located in the Airframe, Ordnance, and Propulsion Division, Energetic Materials Branch, Ordnance Engineering and Evaluation Section. Incumbent performs phone duties; makes travel arrangements arranges meetings; coordinates official visits; prepares Section correspondence, travel orders, timesheets, and training records electronically: and provides general personnel support and resource assistance as required. Quality-Ranking Factors: Knowledge of and proficiency with the MacIntosh computer and ability to plan. coordinate, and prioritize tasks. Incumbent must be able to obtain and maintain a Secret clearance. Full performance of this position is

#### Note 1 applies.

No. 82-093-ML97, Supervisory Police Officer, DG-083-3, Code 841300D. NAWS Safety and Physical Security Department, Police (Physical Security) Division, Police Operations Branch—Area of Consideration: China Lake. Duty Station: China Lake. Opening Date: 7-10-97. Closing Date: 7-17-97. Selecting Official: Will Levy, (760) 939-2709. HRD Contact: Shirley Hauser, (760) 939-2883. Permanent Change of Duty Station Authorized: No. Summary of Duties: Incumbent performs duties as a first-line supervisor in the Police Operations Branch. Duties include supervising the performance and actions of patrol officers, ensuring that all investigations handled by patrol units are properly conducted, and functioning as Watch Commander in his/her absence. Quality Ranking Factor(s): (1) Technical-Ranking Factor: Ability to infl ence and motivate others, including the ability to function as a team player. (2) Supervisory-Ranking Factor: Knowledge of affirmative action principles, including a willingness to implement EEO practices. Notes 2 and 3 apply.

#### NAWCWPNS

No. 473-009-RP7. Administrative Officer. DA/DP-341-3. Weapons/Targets Department, Airframe, Ordnance, and Propulsion Division, Code 473D00D-Area of Consideration: NAWCWPNS. Duty Station: China Lake. Opening Date: 7-10-97. Closing Date: 7-24-97. Selecting Official: John Robbins. (760) 939-7200. HRD Contact: Julie Rodriguez, (760) 939-2693. Permanent Change of Duty Station Authorized: No. Summary of Duties: This position is Head of Staff for the Airframe, Ordnance, and Propulsion Division. The incumbent provides comprehensive administrative staff, managerial guidance, and direction for the Department and is responsible for the establishment, effective implementation, and execution of Department administrative policies and procedures. Incumbent originates, coordinates, and/or reviews documentation and programs for resource management and organizational analysis, such

#### 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 ouncement. 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 signatu

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 I 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 I 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 I when the unother the unother application the second seco

the they qualify. Ints may review the X-118 Qualification Standards at the China Lake Technical Library; at the Point Mugu Directorate/Department Resources Offices; or at an S 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) eli-gibility 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 noncompeti-tive 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.

(Defense Acquisition Workforce Improvement Act) Designated Position. P.L. 101-510 requires that all applications for DAWIA designated position ised be evaluated utilizing a quality ranking factor (QRF) to determine the best qualified candidates. A supplemental narrative addressing the DAWI commended. Applicants wishing more information on the DAWIA mandatory requirements and/or definitions of DAWIA career fields may contact th This is a DAWIA (Defense Acquisition Workforce Im which are advertised of QRF is highly recommender

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) within30 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 action will not be made on non-merit reasons such as race, color, religion, sex, national origin, age, politics, marital status, physical handicap, or membership o ship in an employee organization

as technical and overhead budgets, personnel and space require ments, and serves as a member of Department management boards and committees. Technical Quality-Ranking Factor: Knowledg of the Navy Industrial Fund Master Accounting System (NIFMAS) financial system; ability to provide a broad range of administrative advice and services, especially in financial, personnel, and organization management; ability to plan and organize work; ability to exercise originality and initiative in dealing with organizational issues; ability to conduct studies and analyses; ability to effectively communicate orally and in writing with all levels of management both on and off Center ability to meet the mandatory DAWIA requirements for training, experience, and education for Level II of the Business, Cost Estimating, and Financial Management Acquisition Career Field within 18 months of entering position. Incumbent must be able to obtain and maintain a Secret clearance. The full performance of this position is DP-3. (Promotions must be approved by the 4.7/4.0 DP-3 Review Board Process

Notes 1 and 4 apply.

No. 473-007-RP7, Supervisory Interdisciplinary (General/ Mechanical/Aerospace/Chemical Engineer/Physicist/Chemist), DP-801/830/861/893/1310/1320-3, Weapons/Targets Department, Airframe, Ordnance, and Propulsion Division, Propulsion Branch Propulsion Control Integration Systems Section, Code 473220D-Area of Consideration: NAWCWPNS, Location of Position: China Lake. Opening Date: 7-10-97. Closing Date: 7-24-97. Selecting Official: Stuart Blashill, (760) 939-7210. HRD Contact: Julie Rodriguez, (760) 939-2693. Permanent Change of Duty Station Authorized: No. Summary of Duties: The incumbent serves as Head, Propulsion Control Integration Systems Section and will be responsible for a multidisciplined organization of approximately 20 engineers, and technical and support personnel. The Section provides support engineering efforts associated with the technology, development, in-service engineering, and integration of components for solid and divert propulsion, thrust vector and thrust management control systems, arming/firing devices, missile control actuation and power systems, and insensitive munitions mitigation devices. The incumbent will interface with IPTs and EDTs on supported projects including Standard Missile, Theater Missile Defense, SDDM, AIM-9X, Vertical Launch ASROC, JDAM, JSOW, Insensitive Munitions Advanced Development, and Air Weaponry Technology. Quality-Ranking Factor: Knowledge of solid propulsion systems and components, and missile control and actuation systems; knowledge of affirmative action principles, including a willingness to implement EEO practices, policies, and procedures; ability to perform as a first-line supervisor; 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 this position. Incumbent must be able to obtain and maintain a Secret clearance. The full performance of this position is DP-4.

Notes 1, 2, and 4 apply

No. 473-008-RP7, Office Manager, DG-303-1/2, Weapons/Targets Department, Airframe, Ordnance, and Propulsion Division, Propulsion Branch, Propulsion Control Integration Systems Section, Code 473220D—Area of Consideration: NAWCWPNS Location of Position: China Lake. Opening Date: 7-10-97. Closing Date: 7-24-97. Selecting Official: Stuart Blashill, (760) 939-7210. HRD Contact: Julie Rodriguez, (760) 939-2693. Permanent Change of Duty Station Authorized: No. Summary of Duties: The incumbent will receive calls and visitors, prepare correspondence and non-technical reports, review outgoing correspondence, maintain calendars and file systems, arrange trave for Section, and maintain plant account files. This position requires the incumbent to prioritize workload and deal effectively with all levels of personnel and contractors. Incumbent should be familiar with Filemaker Pro, Excel, and Microsoft Word, SPEDI or Bankcard experience is desired but not required. Quality-Ranking Factors: Knowledge of MacIntosh computers, related software (Filemaker Pro. Excel, and Microsoft Word), and network systems; ability to setup and maintain files; and ability to plan, coordinate, and prioritize workload. Incumbent must be able to obtain and maintain a Secret clearance. Full performance of this position is DG-2. Note 1 applies.

#### NAWCWPNS/CURRENT APPOINTABLE EMPLOYEES

No. 530E-09-PDS-97, (1) Mechanical Engineer, DP-830-3, (Promotion Potential to DP-830-4), Threat/Target Systems Department, Threat/Target Systems Team, Seaborne Targets Externally Directed Team, Code 539300E-Area of Consi Current appointable employees at NAWCWPNS. Opening Date: 7-10-97. Closing Date: 7-24-97. Selecting Official: Paul McQuaide, (805) 989-8534. HRD Contact: Pam Stafford, (760) 939-3308. ent Change of Duty Station Authorized: No. Su Duties: The incumbent will act as the command technical expert in all areas of seaborne platform/boat/ship analysis, design, engineering, and test and evaluation. The incumbent's responsibilities include the area of seaborne target platform systems and surface launch platforms, seaborne foreign asset utilization, and acting as the principal command technical expert for NAVAIR/NAVSEA matters pertaining to ships, boats, and small craft. The incumbent will represent NAWC-WPNS as directed in the aforementioned areas of expertise in both the national and international arenas and will provide technical leader ship in the area of seaborne targets, target launch platforms, and platform and target development and design. As a recognized expert of seaborne platforms for threat simulation, the incumbent will represent the Command and its capabilities to the DON, OSD, and other agencies as required. Primary Responsibilities: (1) Analysis and evaluation of concepts for improved seaborne platforms to include small and large targets and seaborne launch systems. (2) Coordination of proposals for new tasking with sponsors. (3) Planning, directing, and executing assigned programs within budget. (4) Continuous improvement of products and services for the

### July 10, 1997

#### 6B

#### **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 to stimulate the thinking process and develop usable skills for analyzing, interpreting, and translating information into clear, readable letters and reports.

To enroll, submit an On-Board Training Request (NAWC-WPNS 12410/2) to Felicia Nickelberry, Code 733000E. For further TEAM DEVELOPMENT TRAINING (16 hrs.) information, call 989-3980 (DSN 351-3980).

#### CONTRACT MANAGEMENT FOR NAVAIR ACQUISITION FORCE PERSONNEL (40 hrs.)

#### 8-12 September; Monday-Friday, 0800-1630; Training Center, Room 104B, Point Mugu. By: AMI

This course meets the requirement for certification as a Contacting Officer's Representative. This 5-day course is designed to acquaint technical personnel with the DOD an effective and productive team. As organizations begin to acquisition process and to emphasize the importance of engineers, quality personnel, specification writers, and requirements determinators in procurement and contract administration. It reinforces the role of technical personnel both before and after the contact is awarded. Note: The cost of the class is \$300 per person; a job order number is required.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Mary Glasmann, Code 733000E. For further information, call (805) 989-3984 (DSN 351-3984).

#### 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 12410/2) to Dorothy Wiederhold, Code 733000D. For further 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 nation, call 989-3980 (DSN 351-3980)

CREATIVE THINKING AND PROBLEM SOLVING (16 hrs.) 15-16 September; Monday-Tuesday, 0800-1600; Training Center, China Lake. By: Teri Mahaney, Supertraining

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 everyday working and living.

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

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

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 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 nation, call 989-3992 (DSN 351-3992).

#### 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 information, call 939-2359 (DSN 437-2359).

#### SATELLITE COMMUNICATION (8 hrs.)

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

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 trade-off 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. or 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 rther information, call 989-3980 (DSN 351-3980).

#### 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).

#### CHINA LAKE ONLY

No. 41-012-RF7, Office Manager, DG-303-2, Systems Engineer Management Division, Systems Engineering Management Division Branch 1, F/A-18 IPT, Code 411100D-Area of Consideration: China Lake. Duty Station: China Lake. Opening Date: 7-10-97. Closing Date: 7-17-97. Selecting Official: Leah Woodall, 939-9883. HRD Contact: Robert Fitzpatrick, 939-8117. Permanent Change of Duty Station Authorized: No. Summary of Duties: Incumbent will be responsible for coordinating short- and longrange security requirements of the F/A-18 Integrated Program Team and plans for control and utilization of resources in accordance with overall security guidelines. Incumbent will be the F/A-18 Integrated Program Team sole point of contact on security matters and act as the Information Systems Security Officer (ISSO) for the F/A-18 Integrated Program Team. Responsibilities include, but are not limited to: provide security support that meets program requirements; prioritize workload to meet the rapidly changing requirements; coordinate and originate any appropriate responses to requests for data, information, and reports: ensure that responses are accurate and represent the F/A-18 Integrated Program Teams position and needs; and deal efficiently with civilian, military, and contractor personnel. Selective Factors: Skill in applying the security requirements and guidelines for NAWC-WPNS, NAVAIR, and DOD and knowledge of Macintosh computer, related databases, and software applications (Microsoft Office, Filemaker, SMATS, GRASP, and Now-Up-To-Date, and Now-Contact). Technical Quality-Ranking Factors: Ability to apply general security requirements for the F/A-18 Integrated Program Team and familiarity with terminology; deal effectively with personnel at all levels of the NAVAIR F/A-18 Integrated Program Team; and use Microsoft Office, Filemaker, SMATS, GRASP, and Now-Up-To-Date and Now-Contact. Incumbent must able to obtain and maintain a Top Secret clearance. The full performance level of this position is DG-3. Notes 1 and 3 apply.

No. 4J-008-RF7 Administrative Officer, DP-341-3, Concept Analysis, Evaluation and Planning Department, Code 4J0000D—Area of Consideration: China Lake. Opening Date: 7-10-97. Closing Date: 7-24-97. Duty Station: China Lake. Selecting Official: John Freeman, (760) 939-3802. HRD Contact: Robert Fitzpatrick, (760) 939-8117. Permanent Change of Duty Station Authorized: No. Summary of Duties: This posi tion is for Head of Staff for the Concept Analysis, Evaluation, and Planning Department. The incumbent provides comprehensive administra

**CIVILIAN PERSONNEL DIVISION NEWS** 

staff, managerial guidance, and direction for the Department. The incumbent is responsible for the establishment, effective implementation, and execution of Department administrative policies and procedures. Incumbent originates, coordinates, and/or reviews documentation and programs for resource management and organiza-tional analysis such as technical and overhead budgets, and personnel and space requirements, and serves as a member of department management boards and committees. Selective Factor: Knowledge of the Navy Industrial Fund Master Accounting System (NIFMAS) financial system. Technical Quality-Ranking Factor: Ability to provide a broad range of administrative advice and services especially in financial, personnel, and organization management; ability to plan and organize work; ability to exercise originality and initiative in dealing with organizational issues; ability to conduct studies and analysis; and ability to effectively communicate orally and in writing with all levels of management both on and off Center. Supervisory Quality-Ranking Factor: Knowledge of affirmative action principles, including a willingness to implement EEO practices, policies, and procedures. Incumbent must be able to obtain and maintain a Secret clearance. This position will be filled at the full performance level of DP-3. Note 2 applies

No. 41-017-RF7, Engineering Technician, DT/DP-802-3, Systems Engineering Department, System Safety Division, Code 41J000D—Area of Consideration: China Lake. Duty Station: China Lake. Opening Date: 7-10-97. Closing Date: 7-24-97. Selecting Official: Ken Grant, (760) 939-1052. HRD Contact: Robert Fitzpatrick, (760) 939-8117. Permanent Change of Duty Station Authorized: No. Summary of Duties: The incumbent is responsible for providing a wide range of system safety engineering and management support to complex weapons, target systems, and related equipment developed or managed by NAWCWPNS. The duties include providing direct technical system safety support to assigned IPTs and EDTs; detailed hazard analysis, including preliminary, system, subsystem, and operating and support hazard analyses; coordination and implementation of NAVAIR 4.1.10 compe-tency instructions and policy; preparation and presentation of data packages to the Weapons System Explosives Safety Review Board; direct interface with the Air Force Non-Nuclear Munitions Safety Board; serving as System Safety Work Group chairman on various weapons/target program IPTs; evaluating contractor system safety documentation including fault tree analysis, failure modes and effects criticality analysis, connector-pin analysis, and safety assessments;

and planning, controlling, evaluating, and coordinating the technical task teams to satisfy customer requirements; and developing plans and schedules with defined milestones and metrics for assigned tasks. Position requirements include communicating both verbally and in writing; organizing, managing, and coordinating system safety activities within IPTs and EDTs; and identifying, presenting, defending, and managing the resources necessary to implement system safety support to weapons and target IPTs. Quality-Ranking Factor: Skil in engineering management of complex naval aviation weapons and targets acquisition programs, including test and evaluation (particularly in hazard assessment and insensitive munitions) programs and associated with complex weapons systems and targets. DAWIA Quality-Ranking Factor: Ability to meet the mandatory experience, education, and training requirements of the Career Development Program for Level III of the Systems Planning, Research, Development and Engineering Field (Category S) in accordance with DOD Manual 5000/52M within 18 months of entering the position. Incumbent must be able to obtain and maintain a Secret clearance. Full promotion potential: DP-3. Notes 1 and 4 apply.

No. 471-013-GB7, Computer Specialist, DP-334-3, Weapons/ Targets Department, Systems Engineering Division, Strike Analysis Branch, Code 471250D—Area of Consideration: China Lake. Duty Station: China Lake. Opening Date: 7-10-97. Closing Date: 7-17-97. Selecting Official: William McBride, (760) 939-3998. HRD Contact: Kay Behrmann, (760) 939-2736 Permanent Change of Duty Station Authorized: No. Summary of Duties: The incumbent will be responsible for the creation, upo maintenance, and expansion of both a classified and unclassified computer network system within Code 471200D within interfaces to the external government-approved networks. This includes system design and writing and coordinating CSRs for equipment installation The incumbent will be responsible for tasking a group trained by Motorola as Network Encryption System (NES) engineers and be available to spend a good deal of time working outside the China Lake area. The incumbent must also be familiar with "sensor-to-shooter" technologies for transmitting battlefield information to the warfighter and will support the operation of a strike cell in Fallon, Nevada. The incumbent is also the lead for video teleconferencing within the Branch. Technical Quality-Ranking Factor: Knowledge of the following: VAX/VMS utilities, concepts, and commands; IBM-PC/DOS operation, commands, and motherboard repair; UNIX systems and networking: GFE-KG encryption devices; TCP/IP; ATM networking;

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ly on Center.

members, self-referrals, and supervisory referrals are BARGAINING UNIT EMPLOYEES welcome. The program is located in Bldg. 211 (first floor). (CEAP) Getting help when you have a problem can be a The CEAP has a separate exterior entrance on the Wood The exclusive labor representative for the bargaining problem. Do you know there is someone you can talk to if Road gate at the end of Bldg. 211. All interviews are unit employees of NAWCWPNS Point Mugu is the National confidential. For further information, call Paul Sanchez at Association of Government Employees (NAGE). The local you or someone in your family is having difficulties? CEAP services are free and may be used before, during (on 989-7708/8161 or Colleen Smith at 989-3225. R12-33 President is Rev. Louis W. Rogers, located in administrative leave), or after working hours. Family Trailer 10097; he can be reached at 989-1374 or at nager1233@earthlink.net.

POINT MUGU

Dave Pate, Code 475100D Dave is recovering from rotator cuff surgery.

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.

James Skiffington, Code 724400E James is under a doctor's care for surgery, radiation, and chemotherapy.

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

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 week-

Anyone interested in participating or wanting further information can contact Bernard Maki, Group Facilitator, at the FAP 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

**CPR TRAINING** 

The China Lake Safety Office, Code 84E000D, in conjunction with Cerro Coso Community College, will be offering American Red Cross Adult Cardiopulmonary Resuscitation (CPR) and combination CPR/Standard First Aid classes throughout the summer months.

Classes began on 23 June and will run through 21 August. The adult CPR classes are held on Mondays. The class is hours long, and both morning and afternoon sessions are available. The combination CPR/First Aid courses are 8 hours long and are held on Tuesdays, Wednesdays, and Thursdays. There is no tuition cost for the classes, which are open to the

To obtain more information, or sign up for a class, call the China Lake Safety Office at 939-2315.

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."

# CIVILIAN EMPLOYEE ASSISTANCE PROGRAM

# LABOR REPRESENTATIVE FOR



#### 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 Telmart 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.

Debbi Birch, Code 543300D Debbi is recovering from shoulder surgery

## CHINA LAKE

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:

Kelly Newton, Code 460000D Kelly 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.

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 endstage kidney failure and diabetes.

Richard A. Czebatol, Code 457300E Richard is undergoing cancer treatment.

J. Fay Blunt Ingersoll, Code 529110E Fay is undergoing chemotherapy and procedures at UCLA for cancer treatment.

## POINT MUGU

William H. Mills, Code 532520E William is recovering from bypass surgery.

Sandy Watson, Code 335000D

Jenny Hazlewood, Code 474500D

Robyn Gregory, Code 834100D

Barbara Snyder, Code 240000D

Barbara is on maternity leave.

Jenny is on maternity leave.

plant.

chronic pain.

Sandy is caring for her husband, who is

waiting for a kidney and pancreas trans-

Robyn has a medical condition that causes

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

Rosie Robledo, Code 837000E Rosie is under a doctor's care-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.

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

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

Gloria McGraw, Code 471V00E Gloria is recovering from surgery

Lucia Nava, Code 4KK300E Lucia is on maternity leave.

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## 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.

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

**4B** 

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

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

16-17 July; Wednesday-Thursday, 0800-1600; Training Center, China Lake,

Prerequisite: Students must be able to use a Macintosh computer

This class is designed for people who have little or no experience using Powerpoint 4.0 for Macintosh.

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

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

22-23 June; Tuesday-Wednesday, 0800-1600; Training Center, China Lake.

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

#### **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 mportant 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 nformation, call 939-2359 (DSN 437-2359).

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

23 July; Tuesday, 0800-1630; Training Center, China Lake. 24 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).

#### PERSONAL SOFTWARE PROCESS (112 hrs.) 4 Sessions

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

The Personal Software Process (PSP) is a disciplined, process-oriented approach to software engineering. Its purpose is work the software-engineering, guality-management, and processmanagement 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 You must also have a development environment available (a

#### 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).

#### CSUC COMPUTER SCIENCE ADVISING

Dr. Melody Callan of California State University, Chico (CSUC) will be at China Lake on 24 July to advise current and prospective students in the external degree programs offered by the school in computer science. The programs lead to bachelor's and master's degrees. To make an appointment with Dr. Callan, call Susan at (916) 898-6442.

#### **CSUN FALL COURSES AT CHINA LAKE**

California State University, Northridge (CSUN) offers master's degree programs in electrical engineering and mechanical engineering via its Continuing Education Television Network (CETN) (microwave link). Registration will be held at China Lake on 16 July from 1130 to 1500 at the Training Center. CSUN advisors for the programs will be available, as well as course schedules for the fall, course descriptions, and book list/order forms (books may be ordered at registration). Classes for the semester begin 25 August and end 18 December

To obtain more information, contact Cecil Webb at 939-0878

#### CSUC COMPUTER SCIENCE PROGRAM

The following courses are being offered at China Lake for the fall semester for the California State University, Chico (CSUC), computer science program (bachelor's and master's degrees). To obtain course descriptions, book order forms, tuition support/cos information, and registration forms, for these courses, contact Cecil Webb at 939-0878. Classes for the semester begin 26 Augus and end 18 December, except for CSCI151, which begins 3 September. With the exception of CSCI151, the courses are held Tuesday and Thursday at the Training Center via satellite. CSCI151 is held on Monday and Wednesday at the Training Center on videotape

CSCI151: Algorithms and Data Structures; 1130-1245; Lab 1700-1800, Tuesday

CSCI351: Language Theory; 0800-0915

CSCI227: Discrete Simulation Systems; 0930-1045

VCSCI240: Computer Animation; 1100-1215

- CSCI278: Computer Networks; 1230-1345
- CSCI397C-23: Object-Oriented Prog. & Implementations; 1400-1515
- CSCI322: Object-Oriented Prog. in Artificial Intelligence; 1520-1630

To obtain more information, contact Cecil Webb at 939-0878.

#### RETIREMENT SEMINAE

#### RETIREMENT FOR THOSE WITHIN 5 YEARS OF RETIREMENT (16 hrs.) 4-5 August, Monday-Tuesday, 0730-1630; China Lake.

#### 11-12 August; Monday-Tuesday, 0800-1630; Point Mugu.

Presentations on CSRS and FERS retirement systems, including creditable service, military service, and Catch 62, deposit/ redeposit service, how annuities are computed, TSP, health and life insurance, and social security. Presentations will also be given on topics such as financial planning, estate planning, wills and trusts, taxes, volunteer work, starting and running your own business.

Note: This class will be offered again between October and December

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

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

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 to help engineers improve their performance by applying to their version of industrial-software processes based on qualitymanagement 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).

course provides a step-by-step framework that demonstrates the 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)

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quality specialists.

methodology as well.

#### INTERMEDIATE SYSTEMS ACQUISITION (80 hrs.) 11-22 August; Monday-Friday, 0730-1630; Training Center,

dau/daudocs.html. 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

437-3129).

This course reviews the background of software standards. recent acquisition policy changes in the Department of Defense, and the current environment of "Acquisition Reform" particularly with respect to software containing key acquisition themes Single-Process Initiative, Integrated Product Teams, COTS and Ada, Software Support, and Assessment of Software Maturity), this course then discusses the role that software standards may play and highlights the contents of four primary software development standards: (a) MIL-STD-498, (b) EIA/IEEE J-STD-016, (c) ISO/IEC 12207, and (d) U.S. 12207. Tailoring examples are reviewed from eight current projects to illustrate the variety of acquisition approaches currently followed by various government organizations. More discussion of tailoring follows, and the course concludes with a look at current and future trends. The course is primarily lecture style, using overhead transparencies with individual and group exercises, and discussion interspersed over the course length.

#### LEADING TEAMS WITH EFFECTIVE COACHING (8 hrs.) 30 July; Wednesday, 0800-1600; Bldg. 366, Room 104A Point Mugu, By: Franceen 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).

#### **OBJECT-ORIENTED ANALYSIS AND DESIGN (64 hrs.)**

11-20 August; Monday-Friday, Monday-Wednesday, 0800-1600; Training Center, Point Mugu.

29 September-9 October: Monday-Thursday, 0800-1600; Training Center, China Lake.

By: Advanced Command Control Communication **Computers Information** 

Intended Audience: Experienced programmers, software analysts, functional analysts, software engineers, and software

This lecture/workshop provides object-oriented software development concepts and methodologies. The overall course will cover orientation, software engineering principles, object thinking analysis, design, and managing change. Topics include object-oriented benefits, basic concepts, analysis, design, goals of software engineering, and management issues. Other topics to be covered are object paradigm, object thinking, analysis, alternative methodology/managing change, and projects. Approximately 50 percent of the course includes hands-on analysis and design work. The course uses Peter Coad's methodology, but the instructors are knowledgeable in the Booch

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Lily Horton, Code 733000E. For further information, call 989-3987 (DSN 351-3987).

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/

Note 2: Due to the intensity of the course, outside reading will

#### 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

#### SOFTWARE DEVELOPMENT STANDARDS: STD J016 AND ISO/IEC 12207 (16 hrs.)

12-13 August; Tuesday-Wednesday, 0800-1600; Training Center, China Lake. By: David Maibor Associates, Inc.

#### 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 inancial information available from FSDB.

Intended Audience: Administrative officers, business managers, budget/financial analysts, or anyone requiring nowledge 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 to 1600 at the Training Centers.

15 July	China Lake	14 August	China Lake	
17 July	Point Mugu	19 August	Point Mugu	
21 July	China Lake	26 August	Point Mugu	
24 July	Point Mugu	28 August	China Lake	
29 July	China Lake	4 September	China Lake	
31 July	Point Mugu	9 September	Point Mugu	
5 August	Point Mugu	16 September	China Lake	
7 August	China Lake	25 September	Point Mugu	3
12 August	Point Mugu			

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

#### NIFMAS TRAINING

FUNDING OVERVIEW/NIFMAS REPORTS AND QUERIES (8 hrs.)

15 July; Tuesday, 0800-1630; Training Center (Mac Lab), Point Mugu 16 July: Wednesday, 0800-1630; Training Center (Mac Lab), Point Mugu

Intended Audience: Project management, administrative, and clerical personnel (civilian and military) who nterface with the financial system. Prerequisite: Participants must have a current user ID and password for the NIFMAS charlie database reports and queries

available through the Help Desk at 939-2369 (DSN 437-2369)).

These are the last two classes scheduled on NIFMAS funding and Financial Database Subsystem (FDBRSS) reports and queries. These classes are intended for personnel who need a hands-on introduction to retrieving financial information from NIFMAS, the Navy Industrial Fund Management Accounting System. Those who have taken the original class may be interested in taking this expanded version as a refresher. It will be presented at a slower pace and will stress the interrelationship between selected detail and summary reports. The class will present an introduction to the funding chain and offer a hands-on opportunity to navigate funding guery screens to retrieve financial information at the sponsors order, ACRN, customer order, division of customer order, and job order levels. It will also offer hands-on experience in generating and retrieving a selection of commonly used FDBRSS reports and queries, printing, downloading reports to a spreadsheet application, and accessing the Single Financial System (SFS) server. An FDBRSS User's Manual and a Funding Subsystem User's Manual will be given to all participants. Note: Personnel who signed up for earlier sessions of this class but were unable to attend are welcome to register for one of these classes

To enroll or obtain additional information, contact Cindy Wheeler at (805) 987-9888, ext. 211 or forward a request to Metters NSRI-MI via QuickMail, with your name, code, telephone number, and class preference.

Note: Individuals enrolled in this class may purchase a reproduction of the standards by contacting David Maibor Associates, Inc., at (617) 449-6554 or by fax at (619) 455-8928 by 28 July. Indicate the additional purchase on the On-Board Training Request (NAWCWPNS 12410/2). Reproduction and shipping charges for the individual copies of J-STD-016 are \$45 per copy and for ISO/IEC 12207, \$75 per copy. The American Standards Institute charges \$156 per copy for STD-J-016 and \$100 per copy for ISO/IEC 12207.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Renee Riga, Code 4F0000D. For further information, call 939-7092 (DSN 437-7092)

#### 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 mation, 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).

### BASIC SUPERVISION (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 neets 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.