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THE ROCKETEER

THURSDAY, AUGUST 22, 1996

NAVAL AIR WARFARE CENTER WEAPONS DIVISION CHINA LAKE

VOL. 52, No. 17

Contract work
earns team award 12

Local Annapolis
grad comes home 5

Helicopter survivability: Navy and Army join in live-fire study

By Cliff Lawson
TID

Video footage of the test is unnerving. Directly in front of the camera, an AH-1S Cobra helicopter is hovering over a test pad at the

Weapons Survivability Laboratory. Suddenly the steady whup-whup-whup of the rotors is interrupted by a loud crack as a threat antiaircraft round slams into the main rotor blade.

All hell breaks loose. One blade separates and smashes into a protective barrier.

The second blade disappears from the camera field of view. The tail boom snaps like a toothpick. Shattered Plexiglas flies from the cockpit. In seconds the helicopter is a smoking wreck.

Despite the chaos, the scene is part of a carefully engineered test, a procedure

in which the sequence of events has been timed within a tenth of a millisecond. The results of this test will help analysts understand what makes a helicopter vulnerable — and, eventually, how to make it more survivable.

The round that caused the rotor blade's catastrophic failure was one of 17 fired into moving rotor blades in Phase One of the "Helicopter Dynamic and Static Rotor Blade Ballistic Vulnerability" test series. The tests are part of a Joint Live Fire program sponsored by the Office of Secretary of Defense's Live-Fire Test Office and carried out by NAWCWPNS' Weapons Survivability Laboratory (WSL) and the Army Research Lab.

Until this series, there had never been a ballistic test of a loaded helicopter rotor blade operating at full rotor speed. Helicopter vulnerability is usually assessed through failure analysis and a variety of tests, such as "spinning up" blades with holes drilled in them or performing static ballistic tests under static loads.

Whether such static testing yields real-world results in terms of combat survivability, however, is not clear. Vibration patterns caused by a ballistic strike on a moving rotor may be a significant damage mechanism. The only way

Please see **LIVE FIRE**, Page 10



Photo by Tom Carter

OUCH!—A single round impacting the whirling blades of this helicopter had a devastating effect.

NAWCWPNS-developed switch eliminates need for separate secure, insecure computers

By Sonja Giuliani
Special Security Officer

Tired of crawling under your desk to manually switch between secure and insecure networks? Do you have one computer for secure work and one for your day-to-day stuff? A new China Lake development could make your life a lot easier.

In March 1994, Stephen Bouthillier, assistant special security officer for SCI ADP/Physical Security, was assigned by Linda Andrews, head of the Concept, Analysis, Evaluation and Planning Department, to identify a physical switching device which would prevent unintentional access to classified material made possible by AIS platforms being simultaneously connected to both classified and unclassified computer networks. If a solution to this problem could be identified, this device could be used on NAWCWPNS automated information systems that are used to access both classified (secure) local area networks and the unclassified/sensitive NAWCWPNS corporate networks.

Security constraints required computer systems with this type of network configuration to be physically connected and disconnected from access ports dependent on the type of information being processed on the AIS.

There were no switches that were authorized to control network access connection to secure and insecure LANs.

Repeated connect/disconnect operations placed abnormal wear and tear on the computer cable connectors causing wires to break from the connection jack or network connection failures due to partial wire breakage. If breakage and network connection failures weren't enough, the connect/disconnect requirement really received a lot of attention with the installation of modular furniture in work spaces. The location of most network access ports were located under and to the far rear of the desk tops, requiring the security-conscious AIS user to usually have to crawl under the desk top to make the physical cable connect/disconnect to or from the appropriate network port.

Bouthillier found a viable cost-effective solution to these problems by redesigning a commercial A-B computer network switch assembled by Market Central, Inc., and sold by Black Box Corporation. He used a non-woven shielding fabric that absorbs electromagnetic signals. The computer switchbox redesign contains two switching devices that are separated by grounded shielding fabric, which reduced crosstalk of

Please see **SWITCH**, Page 11

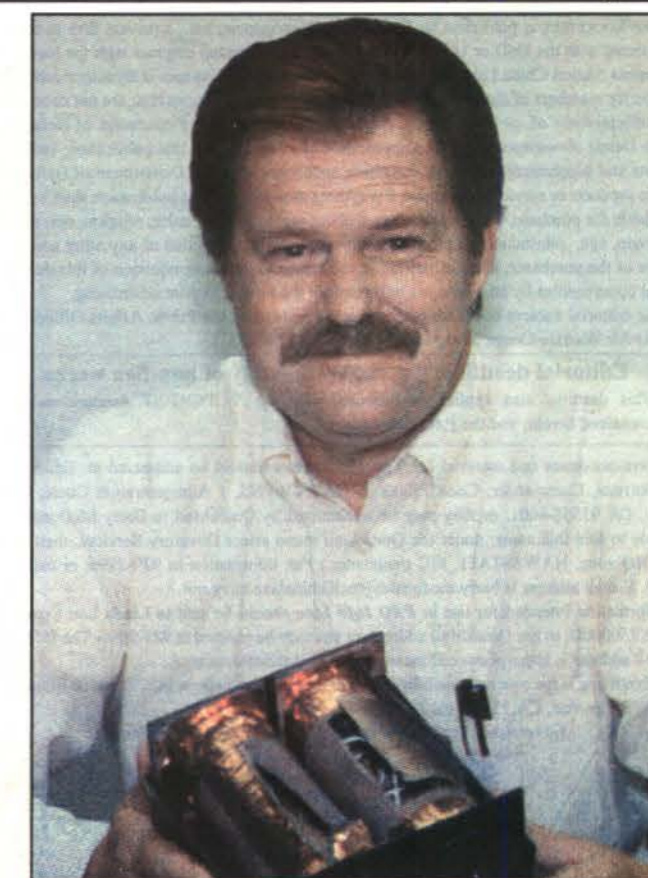


Photo by Kathi Ramont

NETWORK SWITCH—Stephen Bouthillier displays the works of time- and effort-saving device.

Weather

	High	Low	Gusts	Humidity
August 7 - 13				
Wed	103	65	17	41-15%
Thurs	106	63	23	32-07%
Fri	108	66	14	—
Sat	110	72	25	—
Sun	110	73	34	—
Mon	110	72	25	42-13%
Tues	110	77	22	34-11%
August 14 - 20				
Wed	108	73	40	37-10%
Thurs	108	74	28	37-10%
Fri	109	77	22	33-11%
Sat	104	74	35	—
Sun	103	63	25	—
Mon	99	61	25	29-11%
Tues	100	57	22	28-14%



China Lake Calendar

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

Thursday, August 22

• "Crisis Management" brief by Steve Mendonca for supervisors, Michelson Lab, Room 1000D, 3 p.m.

Saturday, August 31

• Women's Equality Day celebration at Wreck Center, 6 p.m.

Wednesday, September 4

• Comics on Duty Tour, Wreck Center, 8 p.m., military free. Call 939-8660

Saturday, September 12

• 12th Annual Military Retirees Appreciation Day, including speakers, golf tournament and a bowling tournament. Starts at 9 a.m. at NAWS Auditorium. Call 939-0978

THE ROCKETEER

Capt. Jack V. Chenevey
NAWCWPNS Commander

Capt. Stanley W. Douglass
NAWS Commanding Officer

Steven F. Boster
Public Affairs Officer

Barry McDonald
Editor

Kathi Ramont
Staff Writer

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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 Announcements contained herein; and the PAO Info Line.

Correspondence and material for THE ROCKETEER should be addressed to: Editor, THE ROCKETEER, Commander, Code 750000D, NAWCWPNS, 1 Administration Circle, China Lake, CA 93555-6001; or they may be transmitted by QuickMail to Barry McDonald. (If unable to find this name: under the QuickMail menu select Directory Services, then select CL_HQ zone, NAWSSTAFF_MC mailcenter.) Fax information to 939-2796, or call 939-3354. E-mail address is bary.mcdonald@mail.chinalake.navy.mil.

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



Retirement celebration for vice commander August 29

A retirement celebration for Capt. Jack "Dude" Dodd, NAWCWPNS vice commander, will be held Thursday, Aug. 29, at the Harbortown Marina Resort, 1050 Schooner Drive, Ventura. Cocktail hour starts at 6 p.m.; dinner is at 7 p.m. Dinner cost is \$19.50 per person. Call Debbie at DSN 351-7113, or Adrian at DSN 351-8763, for tickets and presentation information.

Van reduces hours Oct. 1

According to AOCM Bill Willis, effective Oct. 1, the NAWS van shuttle service will discontinue all runs after 7:30 a.m. due to low ridership. The early morning runs will continue. Until that date, the current van shuttle schedule will remain in effect.

DRMO auction for public to be held September 24

Local auction 44-6819 will be conducted by the Defense Reutilization and Marketing Office at China Lake on Tuesday, Sept. 24. If you cannot attend the auction, you may fax your bid, or drop your bid off at the sale site. Faxed and dropped off bids will be accepted until 3 p.m. on Sept. 23. Bids received after that will be considered as non-responsive.

Items will be on display for inspection Sept. 18, 19 and 23 from 7:30 a.m. to 3 p.m., and on Sept. 24 from 7:30 to 9 a.m. A complete list, as well as sales terms and conditions, can be seen at the DRMO Building 1073. It will be closed on Sept. 20.

Registration begins Sept. 18 and continues until the last item is sold. Mailed bids will not be accepted. Items purchased may be removed on the sale date provided full payment is made. Deposits are not required. Payment must be in cash or a guaranteed instrument — cashiers check, travelers check, money order. Visa and Mastercards will also be accepted. Purchasers will have until Oct. 2 to pay for and remove items.

Because the DRMO is located within the NAWS interior security fence line, prospective bidders must stop at the Main Gate Visitors Center and obtain a pass before coming aboard. For further details, contact Phyllis at the DRMO, (619) 939-2502/2538.

Next Internet User's Group meets August 30, 1 p.m. in Tech Library

The next meeting of the NAWCWPNS China Lake Internet User's Group will be held on Friday, Aug. 30, from 1 to 3 p.m. in the Technical Library facility. The library is normally closed on Fridays; so for access please ring the front door bell.

Mark Kolstoe, webmaster for China Lake, will be our guest. He will speak on and demonstrate how to set a Mac up for connection to the Internet; and on establishing home pages on the World Wide Web. For additional information, please contact Bob Bloudek (Code 474710D) at 939-0926 or via QuickMail.

Recycling Center accepts Styrofoam

Taking one more step in its effort to reach the State of California's goal of reducing waste 50 percent by the year 2000, the Recycling Center at NAWS China Lake is now accepting Styrofoam cups and packing. "This means that when you receive that new computer, you can leave the styrofoam packing in the box when you recycle it," said Sam Treece, recycling program manager.

In addition to Styrofoam, the Recycling Center accepts office stationery, white and color paper (with any color ink), manila tab cards, newspaper, cardboard file stock, glossy paper, thermal FAX paper, brown or gold Kraft paper, envelopes (including plastic-window envelopes), gluebound books/reports and heavy metal fasteners. This includes junk mail — personal and professional.

Items that still can't be recycled include rubber bands, sheets of pressure sensitive labels, adhesive tape, carbon paper, food wrappings or tissues. "If there is any question about whether it's recyclable," Treece said, "just throw it in your recycle box or the blue recycling bins. Let us worry about whether it's recyclable or not."

The center is located across from Michelson Lab's back parking lot and is open from 6:30 a.m. to 4:30 p.m. Monday through Friday, but the public drop off area is open 24 hours a day for personal recyclables.

Pages From The Past

August 22 & 29, 1986

Jack Dragovich and Ruth Barr receive Technical Director's Awards for Phoenix work. . . Kathy Kraft employee in the spotlight. . . Congressman Bill Thomas visits Center. . . Eva Bien wins Navy Award for Excellence in Civilian Personnel and Equal Employment Opportunity. . . Steve Boster does a pictorial in *Rocketeer* on Lassen Volcanic National Park vacation. . . China Lake Mountain Rescue Group members Bob Rockwell, Terry Moore and Mike Renta return from climbing Pik Kommunizma, the highest mountain in the Soviet Union.

August 20 & 27, 1976

Targets Department successful in first flight recorded of small-size, drone helicopter. . . General Service Administration released NWC's 600 excess Wherry homes. . . Willard F. Simpson and John Sichra awarded patent for propellant work. . . William K. Walden, former NWC employee, chosen for Congressional Fellowship Program. . . David Brown, William Huddleston, Clifton Stine, Hugh Holt, Raymond Martinusen and Barry Show receive master's degrees.

August 19 & 26, 1966

Frederic A. Chenault, former executive officer, returns to China Lake to head NOTS' Engineering Department. . . Von's Market, in Bennington Plaza, opens officially Aug. 31. . . Fifty Gamble's quail transferred to Edwards as part of Station's conservation program. . . John Pearson, head of the Detonation Physics Division, will present paper at the International Symposium in Czechoslovakia Sept. 12-16.

August 24 & 31, 1956

Five eminent British scientists will lecture at Michelson Lab. . . A Wildlife Conservation Council formed this week to serve the Station. . . NOTS submitted request to Navy Department for 260 Capehart houses. . . Station employees donate time to install poles for TV booster station atop Laurel Mountain. . . Douglas, McDonnell, North American supersonic planes put through paces by air facility pilots.



Cerro Coso's Fine Arts Gallery will begin its '96-97 exhibition season by showing art work by Ventura artist, Richard Peterson. The show will open with an informal meeting of the artist on Monday, Aug. 26 at 6:30 p.m. in the Gallery followed by a reception and a slide lecture by the artist at 7 p.m. in the 2-D Art Lab, West Wing Room 170. The show will continue to Sept. 27.

The Fine Arts Gallery is open during normal college hours Monday through Thursday, 9 a.m. to 9 p.m. and Friday, 9 a.m. to 4 p.m. Further information may be received by calling the college switchboard at (619) 384-6100.

####

A prostate cancer survival group meeting will be held at the Ridgecrest Hospital Annex on Monday, Aug. 26, 7 to 9 p.m. There will be a panel discussion of radiation therapy experiences. For more information please call Carl Schaniel at 375-4998 or Bill Davis at 375-2129.

####

The Literacy Council of the IWV will

present a new series of free English classes starting Thursday, Aug. 29 at 9 a.m. at 1008 Blandly Ave. (across from the chapel).

Classes will cover reading, writing and conversation for people whose primary language is not English. Preregistration is not required.

There is also a class every Tuesday at 6 p.m. at Pierce Elementary School, Building 23. In addition to the English lessons, this class provides assistance in preparing for citizenship requirements and for the GED examination for graduation equivalency certification. If you need more information, please call 446-0958.

####

The following 3-5 minute Parenting Advice Tapes can be heard by calling Community Connection for Child Care at 375-0446 from 5 p.m. to 8 a.m. Sept. 2-8, "Normal Problem Behavior;" Sept. 9-15, "Talking About Divorce;" Sept. 16-22, "Preschoolers and Divorce."

####

Auditions for "The Music Man,"

ROCKETEER CLASSIFIEDS

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HELP WANTED.....10
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SERVICES/SCHOOLS.....15
RENTALS.....20
REAL ESTATE.....25
BUSINESSES.....30
AUTOMOTIVE.....35
MISC. FOR SALE.....40
WANTED TO BUY.....42
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GARAGE SALES.....50

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

OR DROP IT BY
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224 East Ridgecrest Blvd.

1 PERSONALS

DISCOMFORT IN YOUR LOWER BACK? Headaches? Cold Feet? Can't get a full night's sleep? Looking for a great sideline business opportunity that is amazing and unique? I have some products and information that may help you feel better and improve your financial bottom line! Call 375-9528. (TFN)

COLLEGE STUDENTS PLANS, children plans, single plans and family plans, medical hospital insurance. Outstanding company with great prices and super benefits. PPO's and HMO systems. If you have the need of interest please call (619) 371-3900. (TFN)

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AVIATION COLLECTIBLES & MEMORABILIA SWAP MEET. Aviation Warehouse, El Mirage, CA. October 12, 8am-4pm. Old instruments, propellers, books, magazines, pictures, etc. Call to reserve a free space. (619) 388-4215. (8-22)

10 HELP WANTED

WANTED: Babysitter with own transportation. Area of old Albertsons for occasional weekend & evenings, 2 kids, \$3/hr. Must be clean, reliable. With references. 499-6608. (9-5)

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10 SPEED REPAIRS. Most bike work done. Russ 446-7583. (9-19)

HAVE PROBLEMS . . . Call me. Millie A. Wycoll, paralegal divorce, bankruptcy, taxes, notary. Reasonable fees you can afford, payment plans to fit your budget. 371-1924. (1-8-97)

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20 RENTALS

CLEAN 2BR. Garage, backyard, dishwasher, refrigerator, water/trash paid. From \$400 a month. 371-1144. (TFN)

1 BEDROOM APARTMENT. Nicest in town. That's what our new tenants tell us. Great location. Come check us out. Sanders Street Apartments. 371-1407. (1-9-97)

VACATION RENTAL: Mammoth Area. Beautifully decorated and fully furnished 2 BR, 2 BA with 2-car garage, 2600 square feet. Rent daily or weekly. Maid service included. 446-5287. (TFN)

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\$350! FRESH PAINT. Spiffy 2BR, great kitchen, private laundry, water/trash paid. No pets. 446-4810, evs. (TFN)

directed by Ann Roseman, will be held Sept. 3, 4, and 5 from 6:30 p.m. to 9:30 p.m. at the CLOTA Building, 1425 Inyo Ave.

####

The 10th Annual National Veterans Golden Age Games, a multi-event sports and recreation competition for military veterans, age 55 and older who are currently receiving care from the Department of Veterans Affairs will be held Sept. 9-15 at the Riverside Convention Center. The Department of Veterans Affairs and the Veterans of Foreign Wars of the United States invite the public to meet veterans who have come from all over the U.S. to compete. This games program serves as a showcase for the preventative and therapeutic medical value that sports and recreation provide in the lives of all older Americans. Admission is free. For further information call (909) 422-3056.

####

Social Security representatives will be at the Kerr-McGee Center, 100 W. California Ave., Ridgecrest from 9:30 a.m. to noon Sept. 12 and 26. For more information call 1-800-772-1213.

####

Maurice and Natalie Cahn will feature earthquakes, education and entertainment at their lecture Wednesday, Sept. 18 at the Maturango Museum. With backgrounds in melodrama and comedy, the Cahn's will combine bells, whistles,

music, computers, amplifiers and speakers to educate the public on the relationship between electrical currents and earthquakes. The lecture begins at 7:30 p.m. and is open to the public.

####

China Lake's Retired Affairs Office is hosting the 12th Annual Military Retirees Appreciation Day Saturday, Sept. 21.

In addition to area residents, retirees from Edwards Air Force Base, the National Training Center at Ft. Irwin and the U.S. Marine Supply Depot at Barstow will attend.

Opening ceremonies begin at 9 a.m. in the NAWS Auditorium. In addition to representatives from each of the four commands, June Herrin, head of the Retired Activities Office in BuPers, Washington, D.C., will speak.

Golf and bowling tournaments are scheduled, in addition to an evening barbecue, tours of the flight line and the Weapons Exhibit Center. Discounts will be offered that day at the Exchange Services. The commissary will have drawings all day.

Cost of the golf tournament is \$15 per person, including cart and prizes. Only the first 150 entries can be accommodated. Bowling cost is \$5, limited to the first 50 entrants. Advanced reservations must be made by Sept. 14 for the tournaments and barbecue. Call 939-0978 for more information.

35 AUTOMOTIVE

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FOUR USED TIRES. 195-60-R15 about \$10,000 tread left. 499-6608. (TFN)

40 MISC. FOR SALE

31" HANDMADE WOODEN WIND-MILLS. Red & White, Blue and White. Can't buy them in stores. Excellent gifts. \$35.00. 446-5662. (TFN)

1979 TIAGA MOTORHOME, 22' long, 1,400 miles on new 350 engine, sleeps 6, generator, shower, \$7,000. 371-1144. (TFN)

REO Speed Wagon/Foreigner Concert tickets for Saturday, August 24th, San Bernardino. \$40 for the pair. 499-6608. (9-5)

BOYS 16" BIKE, like new, helmet included. \$60. 446-7035. (9-5)

For Display Advertising, call 375-4481, ask for Gary Heaton, Rocketeer Sales Representative!

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The Commanding Officer's Desktop

Capt. Stan W. Douglass
Naval Air Weapons Station



First, let me say how proud and pleased I am to be your new commanding officer here at China Lake. The opportunity to command a major shore station is certainly the highlight of my career to date and I look forward to working with each one of you as we execute our important mission.

I come to the Station at a time of continued change, with many challenges for the Department of Defense and our Navy still on the horizon.

We are poised to meet these challenges though, in great part due to the superb leadership and strategic vision

that Capt. Stevenson brought to this job. With that in mind, I will remain focused on the base's efforts to provide high quality support to our tenant commands and do the best we can with the assets we have available to us. To do so in these tight fiscal time, though, will take careful coordination with our customers to properly prioritize their needs against the limited resources we possess. The support functions our base provides to the NAWCWPNS and other tenant commands are critical to the Navy's success as a war fighting force.

Our ability to safely conduct air oper-

ations, weapons operations and a myriad of support functions while providing a high quality of life for all of our team members are essential components of our job. I ask each one of you to give us your very best efforts and strive to "do the right thing" in every endeavor.

To sustain our ability to function effectively I believe we need to understand clearly that success lies in our ability to work together as a team. Philosophically, I will seek outcomes that produce "win-win" benefits to all participants — and I expect you to adopt this same approach in working with your customers. I believe we can continue to improve every aspect of the way we do business if we adhere to the following guideposts.

•Take care of your people — they are truly our best and most valuable asset. Doing this takes work, and it's not easy. So, I ask all of you to look out for your shipmates, both on and off the job, and to provide them an opportunity for personal and professional growth while sta-

tioned at China Lake.

•Provide fiscally responsible support to all base and tenant commands — be smart in the way we expend our precious resources.

•Be good stewards of the environment the public has entrusted to our care and use through viable remediation, pollution prevention and clean-up after use programs.

•Foster a work environment conducive to positive reinforcement of our Navy core values of honor, courage and commitment.

•Have fun and don't lose sight of the positive things happening in your life — every day will bring a challenge that may seem daunting, but hard work and a positive attitude will carry the day.

We have an important job to do in support of our front-line Navy-Marine Corps team that sits poised on the tip of the spear, ready to respond anywhere, anytime, to our nation's needs. I look forward to my tour here at the Navy's premier air weapon station.

Budnick, Laube take achievement medals at recent quarters

At recent Naval Weapons Test Squadron's quarters Cdr. Jerome L. Budnick received the Navy and Marine Corps Achievement Medal. While assigned as chairman of the R-2508 Operational Working group, NAWCWPNS, from May 1995 to April 1996, Budnick was responsible for all inputs concerning safety, airspace utilization and mission accomplishment within the R-2508 airspace complex. According to his certificate, RAdm. Dana B. McKinney, former NAWCWPNS commander, stated that Budnick's directions were essential to the successful resolution of more than 60 safety and procedural issues and violations. "His flag level briefings led to the elimination of a restrictive low altitude flight policy," said McKinney.



Budnick

presented to AO3(NAC) Albert R. Jodoin Jr. from former NAWCWPNS commander RAdm. Dana McKinney for his help at Camp Pendleton with three squadron helicopter engine twin packs.

AMSAN James R. Skinner received a perfect Navy Physical Readiness Test score of 300, and was awarded a four-day special liberty.

Receiving their qualifying certificates for F/A-18 Plane Captain were ADAR Brian M. Lockwood, ATAA Ryan N. Seme and AMHAN Francisco Rodriguez.

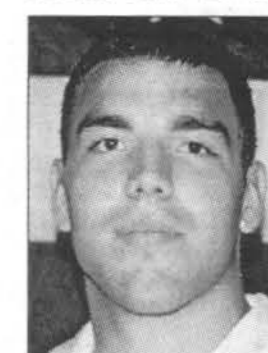
WTS Plane Captain of the Month for June 1996 was AMSAN Troy E. Davis. Plane Captain of the Month for May 1996 was ADAN Cory L. Burrows.

Dust Devil of the Month for May 1996 was AO3 Stephen W. Montgomery. Selection as Dust Devil of the Quarter, second quarter 1996 was AO2 Phillip M. Martinez. Selection as Senior Dust Devil of the Quarter, second quarter 1996, was AO1 John W. Barfield. And selection as Junior Dust Devil of the Month for April 1996 was AZ3 Jon P. Skroder.

Naval Air Weapons Station Capt. Stan Douglass, NAWS CO, held quarters on Aug. 12 at the Wreck Center. He presented a Navy and Marine Corps Achievement Medal to AK3 Gregory P. Laube for superior performance of duties while serving as Document Control Unit Clerk, Aviation Supply Division, NAWS, from January

MILITARY NEWS

1996 to March 1996. According to RAdm. Dana B. McKinney, former NAWCWPNS commander, Laube's innovative ideas were instrumental in the reorganization of aviation supply warehouses and increasing location



Laube

validity from 76 percent to 100 percent. This led to a grade of outstanding on the Inspector General's command inspection. Laube was NAWCWPNS Junior Sailor of the Quarter, first quarter 1996.

NAWS Recognition Letters of Appreciation were presented to AR Aretha L. Norman, AR Jamie C. Montagne, ABE3 Patrick W. Pollum, ABH3 Michael J. Bock and ABH2 Preston Smith III.

Letters of Commendation were presented to Officer Roger Zurn of the China Lake Police Department, AA Brandy L. Walker and AC1(AW) Douglas M. Prestel.

Presented July 8 at NAWS quarters by then CO, Capt. Chuck Stevenson, SK2 Jehan Andrabado received a check for \$500 and a Certificate of Recognition as an Honorary Price Fighter from Cdr. T. B. Williams, director of Price Fighter\$.
 FLAG LIEUTENANT—Lt. Doug Beal received a Navy and Marine Corps Commendation Medal on his last day at China Lake from NAWCWPNS Commander Capt. Jack Chenevey. Signed by former Commander RAdm. Dana McKinney, the citation said that from January 1994 to July 1996 Beal meticulously directed the schedule of the commander, providing proper honors, accommodations and greetings for more than 80 distinguished visitors. "A dedicated aviator, he supplied the training that cemented the commander's 24 months of incident-free flying in the F/A-18 Hornet," read Chenevey. Beal and his family have left the desert for duty at Lemoore, Calif.



Chapel Call

Name it, claim it and praise that miracle

By Lt. C. Allan Ford, CHC, USNR
Assistant Command Chaplain



Miracles have been a part of human existence since the creation of man. We have read of many great and mighty miracles in all of our religious books, no matter what religious background that we come from. We experience the miracle of the birth of our children and then we marvel at seeing them grow in the physical, mental and spiritual proportions of their life until they reach the teen-age years. At this point we as parents should tell ourselves that these teenagers are a miracle from God and then ask God if He wants them back.

Miracles do come in many shapes and sizes, in varied degrees of blessings, and they come when you are not expecting them and when you are expecting them. The chapel experienced one such miracle just the other night. We needed a reader board sign for the front of the chapel so we could advertise coming events. ET2 Mitch Bottema, our TAD person assigned to the chapel, built a beautiful reader board. We were out digging two very deep holes for this sign to be placed in the ground. It was around 8:30 p.m.

and getting very dark. The holes were complete and we were ready to put the concrete into them. We mixed the two bags of Ready Mix concrete and realized that we were about four bags short in completing the job.

Now at this time of the evening in Ridgecrest nothing is open. As we were standing next to the sign on Blandly, up drove AMH1(AW/NAC) Reid Paronto and his family. As he stopped I asked him if he had any Ready Mix concrete bags in his truck. His response was: "How many bags do you want?" Now here comes our miracle from God — Petty Officer Paronto gave us five bags of concrete. This enabled us to finish cementing our sign in the ground. We are naming, claiming and praising this miracle from God in the form of a bag of Ready Mix concrete.

As I said earlier, God's miracles come in any size, shape and blessing. As you go through the course of your day, find one of God's miracles, name it, then claim it and then praise God for it. It might make your day a little happier for yourself and for those around you.



BUILDER—ET2 Mitch Bottema built this reader board for the All Faith Chapel

Neighborhood Watch meeting on August 28

One of the most effective crime prevention programs employed throughout the nation is Neighborhood Watch, a cooperative effort between police and community.

A kick-off meeting for the Neighborhood Watch Program will be held at the Wreck Center on Wednesday, Aug. 28 at 7 p.m. The meeting will explain its positive benefits and function within the housing community. China

Lake Police Division personnel and housing representatives are presenting the program and will answer residents questions.

Neighborhood Watch is built upon cooperation between police and the community that they serve. "Residents of the community serve as extra eyes and ears for the police. Help keep China Lake a safe community for your children," said a housing representative.

NEX offers Christmas Toyland layaway soon

Shopping for holiday toys this year won't put a strain on your monthly budget. The Navy Exchange is offering zero percent down on any Toyland layaway item beginning Sept. 18. There is an initial \$3 layaway fee and customers can hold and pay for their layaway up to Dec. 15, 1996. This special layaway

program will extend for the entire holiday season and applies to all merchandise sold in the Toyland section of the NEX.

To ensure customers receive the best price on the toys they purchase, the NEX is honoring any competitors' toy coupons.

FSC Happenings

Communications with children — effective talking

There are some situations when a parent needs to communicate their point of view directly. A technique for doing this effectively is "I" messages.

They work well because they shift the emphasis off blaming the child (which they can argue about), to how the parent feels about the behavior. "I" messages work best in a firm, but calm tone of voice. If necessary, give yourself some time to cool-off if angry. "I" messages work equally as well with children and adults.

How to deliver an "I" message
•Name the behavior or situation you want changed. Aim this statement at the behavior, not the child or their personality. Start with "When you..." Example: "When you leave the kitchen in a mess..."

•Say how you feel about the situation. People often believe the emotion they are feeling is anger. If they examine the emotion more closely, they realize it is usually closer to something else, like fear, hurt, disrespect, worry, etc. Start

with "I feel..." Example: "I feel taken advantage of..."

•State your reason or the consequences to you. Everyone wants a reason for changing their behavior. Give your child a reason. Begin it with "because..." Example: "Because then I have to spend my time and energy cleaning up after you."

•Say what you want done. Be explicit. Start with "I would like..." Example: "I would like you to put the food away in the fridge and the dishes in the sink."

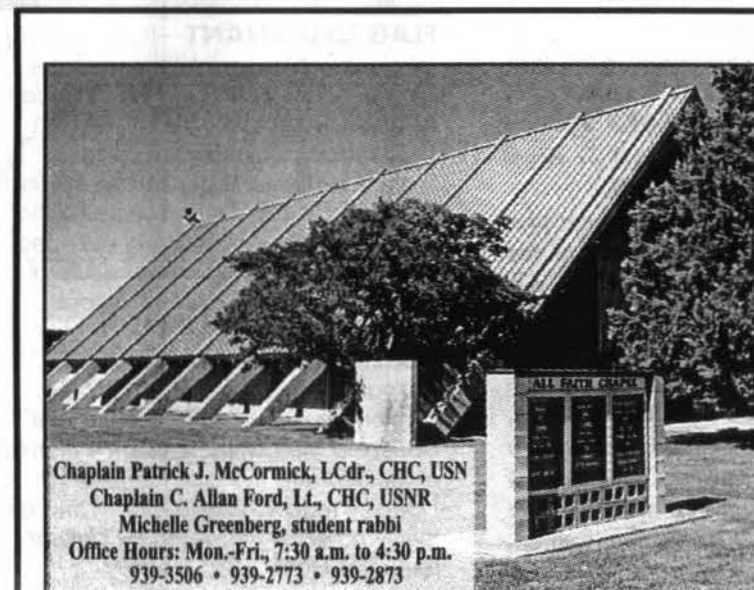
"I" message complete
"When you leave the kitchen in a mess, I feel taken advantage of because then I have to spend my time and energy cleaning up after you. I would like you to put the food away in the fridge and the dishes in the sink."

•Ask for agreement. Follow your "I" message with a request for agreement and commitment. Example: "Will you put the food away in the fridge and the dishes in the sink when you make yourself something to eat in the kitchen?"

All Faith Chapel Services

Equipment for the hearing impaired and nursery are available

Protestant	Roman Catholic
Sunday Worship Service, Main Chapel 10:30 a.m.	Sunday Mass, Main Chapel 9:00 a.m.
Sunday School, Sept. - May, 1008-10 Blandly & 1903-05 Mitscher 9:00 a.m.	Daily Mass, Blessed Sacrament Chapel 11:35 a.m.
Bible Study (East Wing), Sept. - June, Wednesday 11:30 a.m.	Confessions, Sundays 8:15 - 8:45 a.m.
Men's Prayer Breakfast, East Wing, Thursday 6:00 a.m.	Confessions, Weekdays By appointment
Adult Bible Study, East Wing, Thursday 7:00 p.m.	Religious Education Classes, Sept. - May, Sunday, 1002 Blandly, 1008-10 Blandly & 1903-05 Mitscher 10:30 a.m.
Jewish (375-0385 Messages)	RCIA, St. Ann's School Library 8:15 - 9:45 p.m.
Weekly Services, Friday, East Wing 7:30 p.m.	Islamic
Adult Education, Oct. - June, Saturday, 1902 Dibb 10 a.m. - noon	Jumaa Prayer, Friday (1002 Blandly) 1 p.m.
Hebrew Classes, Oct. - June, Saturday, 1902 Dibb 2 - 5 p.m.	
Religious School, Sept. - June, Sunday, 1902 Dibb 9 - 11 a.m.	
Jewish Classes (when Rabbi is here)	
Four years and up: Friday, 1902 Dibb 5 - 7 p.m.	
Sunday, 1902 Dibb 9 - 11 a.m.	



Chaplain Patrick J. McCormick, LCdr., CHC, USN
Chaplain C. Allan Ford, Lt., CHC, USNR
Michelle Greenberg, student rabbi
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939-3506 • 939-2773 • 939-2873

At Your Leisure



MWR
first for fun

MWR Management Team, NAWS, China Lake, CA

Next Stop China Lake

Lite PRESENTS COMICS ON DUTY TOUR

Don't miss the best comics on circuit on September 4. Show time is 8:00 p.m. at the Wreck Center. Enjoy an evening of laughter, food and beverage specials. Reservations are recommended by September 3. Advance tickets available at Wreck Center for \$7.00 or pay \$10.00 per person at the door. Military are free. For details, call 939-8660.



Let us entertain you

Wreck Center hosts a night of exceptional drama and cuisine on September 25. *Red, White and Murder* is the end of summer dinner theater-guaranteed to keep you on the edge of your seat. Dinner includes assorted pastas, breads, wine and sorbet for desert. More details to follow in the next edition of *At your leisure*.

QB1 quest

Three QB1 leagues are available; Saturday (College), Sunday and Monday Nights. Leagues run from September 2 to January 26. Fees are \$20.00 per league. Players receive the following: Guaranteed play maker for game, locally designed QB1 t-shirt, snacks and beverage specials during game, weekly prizes, chance to win \$5000.00 (Sponsored by NTN), chance to win Super Bowl tickets (Sponsored by NTN), head to head competition with other locations nationally and a chance to be part of an elite group of sports and trivia players! No other location in Ridgecrest offers this fun-filled action packed game. For exciting details, call Colleen at 939-8660.

Give us your best shot

Wreck Center is now accepting sign-ups for fall and winter dart leagues. Tuesday nights are doubles and Thursday nights are singles. Wreck Center sponsors four teams. Teams alternate weekly play in other locations in town. Come be a part of the fastest growing sport of the 90s. For details or to sign up, please call 939-8660 or 939-3540. Hurry! Leagues begin September 3.

Your ticket to fun

Information, Tickets and Tours office is located in the Wreck Center. Program offers substantial discounts on Southern California Amusement tickets. Wreck Center also has fishing licenses and more. Before you take off on your next adventure, make your first stop at the Wreck Center. For details, call 939-8660.

It's power play

Don't miss the challenges ahead! Compete in the bench press and power lift challenge held in the Sports & Fitness Complex on October 12. Event is open to all. Military pay \$12.00, DoD-\$14.50 and Community customers pay \$16.00. Fees include entry and commemorative t-shirt. Sign-ups are taken at the Sports & Fitness Complex. For details, call Loy at 939-3146.

Total fitness

You want to be fit but you just don't know where to start? Sports and fitness staff can help. Enroll in the total body conditioning class from September 16 to October 11 on Monday, Wednesdays and Fridays from 7:00 p.m. to 8:00 p.m. Class caters to the need for knowledge and a desire to develop an effective fitness program and instills motivation to track and continue progress. Learn biomechanics, cardiorespiratory training, diet and more. A healthy life-style and body composition screening is also included. Instructor is Daryl Goode, a certified and professional trainer. For details, call Daryl at 939-2334.

Fitness in the 90s

The 90s is fitness and more for women at China Lake. Sports and Fitness Complex offers a class called *Women on Weights*. Class gives women the opportunity to develop an effective fitness program-allowing the woman of the 90s to be all she "wants to be" in a female training environment. Instruction centers around proper biomechanics, machine and free weights, cardiorespiratory training activities and diet. A healthy life-style and body composition screening is also included. Women have specific training needs-this course fills them. Instructor is Daryl Goode, a certified and professional trainer. For details, call Daryl at 939-2334.

MWR is on the move!

Due to building renovation MWR Department Office, bldg. 21, is moving to building #462 and #457 (Previous Child Development Center). Moving should be completed the first week of September. For details, call 939-2010.

Invest in yourself and our future

Do something for yourself and others! Attend a unique orientation on September 9-13 at the Child Development Center. Class allows persons interested in working with children in their own homes an opportunity to learn about Family Child Care guidelines, child abuse prevention, child development, CPR, medicine, sanitation and first aid. Hurry and sign-up today! Next orientation class is not until November. For details, call Jon Sims, Family Child Care Director, at 939-6683.

In a hockey craze!

Hey it's not too late to sign-up your child for hockey. But hurry-sign-ups end September 1. League is for 5 to 12 year olds and others too. League runs from September 7 through November 23. Games played on the new, regulation size, outdoor court. Register at Youth Activities (Building 880) from 8:30 a.m. to 5:30 p.m., Monday through Non Flex Friday. Military or DoD identification card required at time of registration. Required annual NIHA membership is \$25.00 for all players. Fees are Military-\$25.00, DoD-\$60.00 and Community-\$80.00. Volunteer coaches and referees are needed. Call 939-7135 for details on the hockey program or becoming a valued volunteer.

Brush fishing?

Take home your own oil painting masterpiece in just one day! Theme for instruction is "Going Fishing." Class is Saturday, August 31 from 9:00 a.m. to 5:00 p.m. at Craftech. Unique wet-on-wet method enables success and extraordinary beauty each time. Results are amazing for beginners to advanced painters. Cost is \$35.00 per student and includes all supplies needed. Reservations and a \$10.00 deposit are required. Enroll today. Class is VERY popular. Wear your old clothes, bring a sack lunch and creativity. Most of all... have fun. For details, call Craftech at 939-3252.

Horse sense

When boarding your horse, rent through CRAFTTECH it makes great horse sense. Boarding stable complex consists of 35 stalls-each with small tack room, paddock and shelter. Stalls rented monthly. That's not all... adjacent to the stalls, is an arena and extensive riding trails. Self help group maintains stables. After all, who takes better care of your horse than you! For details, call Craftech at 939-3252.



Hole-in-one makes golf history at recent Southern Pacific conference

History was made on Aug. 2 at the Southern Pacific Sports Conference Golf Invitational Championships at the China Lake golf course, when Nick Vanicelli, of Marine Corps Air Station Yuma, made a hole-in-one at the 17th hole.

According to Debra Poindexter of the Morale, Welfare and Recreation Department, this is the first time anyone has made a hole-in-one in SouthPac's history.

SouthPac is a week-long tournament in which leaders compete head-to-head daily. After the traditional 72 holes of golf are completed, an over-all ranking is obtained.

The conference is composed of more than 100 ship commands and 25 shore commands. All golfers participate in pre-

liminary tournaments to qualify. This year's field had 114 competitors. NAWS China Lake has been the home the last five years for SouthPac.

Winners in the Open Men's competition were (first place) STS/ss Bill Reece, of Naval Training Center San Diego, with a score of 297; (second place) GySgt. Jeff Taylor of MCAS Yuma, 298; and (third place) Sgt. Ryan Buytenhuys of Camp Pendelton, 298.

Senior Division winners were HMC George Schadegg, 286; Ted Schoewe of North Island, 302; and EMCM Al Luedke of USS Mt. Vernon, 307.

Women's Division winners were EM1 Kelly Hollister of Sima, 313; NCI Lorraine Griggs of FTCSD, 338; and HMC Diane Menzies of RSO San Diego, 354.



GOLF—On a hot Aug. 2 China Lake played host to the Southern Pacific Sports Conference Golf Invitational Championship. These unidentified golfers head out to their cars after the tournament.

Softball players needed for Arizona tourney

Attention all you military softball players and coaches. The eighth annual "Contracting Weekend Bash" softball tournament will be held Sept. 13-15 at Davis-Monthan Air Force Base, Ariz.

It is open to intramural teams. A varsity tournament will be held if there is enough interest. Entry fee is \$140.

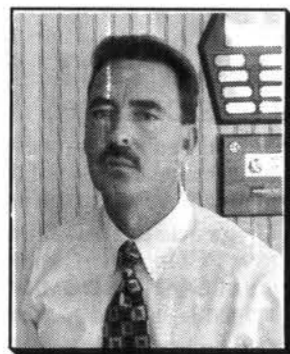
Teams which place in the top three will have their choice of new bats, gloves, batting gloves, etc.

To sign your team up, or get additional information, please contact Gregg Manning at DSN 228-2372 or commercial (520) 228-2372.

Or, call Dave Rochelle at DSN 228-4183.

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Ens. Dan Rhamy

From captain of the football team to Annapolis graduate

By Donna Tennant
Guidance Technology Section

Ridgecrest and China Lake have reason to be proud of Ens. Daniel F. Rhamy. Currently assigned to the Naval Weapons Test Squadron, China Lake, for six months, he is a 1992 Burroughs High School graduate and a May 1996 Naval Academy graduate.

He also participates in many parachute operations with the Naval Test Parachutists. He was captain of the BHS football and track teams during his senior year and also threw shot put and discus. He played offensive guard at BHS, and at the academy, he played on the varsity lightweight football team.

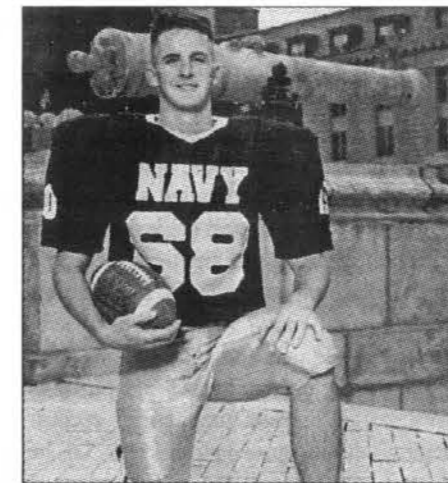
How did a young man from Ridgecrest find his way to Annapolis?

"One evening over dinner during my junior year, my father's supervisor from Comarco, Frank Harris, suggested I look into the academies for possible college paths," explained Rhamy. "Then, I was talking with some guys from school and one told me his father, Pat Plugge, could help me look into the requirements. Being a graduate of West Point, he knew the steps it took to get a nomination from a member of Congress. Plugge was essential in helping me with all the forms, letters and recommendations that eventually led to my Presidential nomination and appointment to both Annapolis and West Point in October of my senior year.

"After discovering that the Naval Academy had more stringent academic requirements than the Military Academy and that Annapolis also offered more academically in my field of interest, mechanical engineering, I chose Annapolis. The Naval Academy is one of the best engineering schools in the country and has only the top graduates from around the country teaching there. The fact that I have always loved the ocean, had always lived in Navy towns and was familiar with how the Navy operated had a great deal to do with it as well."

His father, Thomas L. Rhamy (LCdr. USN Ret.), began work at Comarco as a contractor on the Tomahawk cruise missile in 1985 after his naval career. He had been enlisted for eight years and attended Officer Candidate School after graduating from Purdue University. He finished his 21-years of service as a surface warfare officer and retired as a lieutenant commander out of the San Diego Naval Amphibious Base.

Ens. Rhamy says his greatest influence came from his mom, Sharon J. Rhamy. "She always supported me and told me I could do anything if I worked hard enough for it. She was there to give me a gentle nudge in the right direction whenever I got lazy." She was very proud to see her son reach his goal on May 24 when she attended his graduation in Annapolis. Mother and son were best friends and did everything



Ens. Daniel F. Rhamy

together. Unfortunately, Sharon Rhamy passed away on June 14, 1996.

Dan is the youngest of five children. Also living in Ridgecrest are his brother, Tom, and sister, Jenny. His other brother, Pat, and other sister, Joan, live in San Diego. Sharon Rhamy's love for kids, not just hers, made an impact that helped make them what they are today. She taught them strong family values like loyalty, honor and devotion by example. Her family always came first.

"She attended all my football practices and games, home and away, and was very involved in all my activities," said Rhamy. "She would occasionally bring lunch for me to J&F Building Supply where I worked and for whoever else was working that day. She was always giving other kids rides home after practice or school. Many of my friends and their parents were also good friends with mom. My friends would often call or drop by and say, 'Hi, mom,' when I was away at school to cheer her up. They were never allowed to leave without eating something."

Sharon Rhamy was a member of FOE Aerie No. 3243, Life Member of VFW Ship 4084 Ladies Auxiliary and member of American Legion Ladies Auxiliary Post 684.

Ensign Rhamy's graduating class was the last to graduate with regular commissions in the Navy, meaning they are not reservists that have to augment into the regular Navy. They were also the last class to only have a five-year commitment after graduation; future classes will incur a six year commitment.

"I have been selected for pilot training, so after I finish flight school in Pensacola, Fla., which should take almost two years, I will incur a seven year obligation from then," he said. "I intend to get my masters' degree after my first tour, which will also add two years for every year in school to my obligation. Although the Academy does encourage a long stay in the Navy, since they claim to have nearly a quarter of a million dollars invested in your training and education by the time you graduate, it is not mandatory. Those are my plans now, to stay in until retirement."

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Leadership on the cutting edge: Achievement in safety ashore for clinic

By Lt. Albert Y. Wong
Industrial Hygiene Division

In June 1996, the Secretary of the Navy announced the results of the 1995 SEC-NAV Award for Achievement in Safety Ashore. Naval Medical Clinic Port Hueneme was recognized as a leader in the Navy occupational safety and health field by seizing the runner-up award in the small non-industrial category. This exceptional result documents a landmark achievement in the history of both Naval Medical Clinic

Port Hueneme and the Department of the Navy, Bureau of Medicine and Surgery (BUMED). According to BUMED, this is the first time a BUMED activity has done so well in this competition.

Naval Medical Clinic Port Hueneme (NMCPH) services commands are located on Naval Construction Battalion Center Port Hueneme and the two Naval Air Weapons Stations at Point Mugu and China Lake. The NMCPH is commanded by Capt. Don Phillips, who leads a dedicated staff of approximately 250 personnel. It supports 95 commands (including much larger industrial and non-industrial complexes) with a total population of approximately 43,000 (military, civilian and retirees). Along with that enormous responsibility, the entire command is committed to providing a safe work environment for not only its own staff but also for those whom it serves.

This award is

given annually to those commands who distinguished themselves in the area of occupational safety and health ashore. Any Navy command that has a safety program is eligible to compete for this Navy-wide award. Commands from the surface, air, sub-surface, fleet support, navy construction, medical, etc. compete against each other. To be eligible for this competition, commands are required to submit a detailed synopsis of their safety programs and achievements — protection, hearing and sight conservation; asbestos; hazardous materials, ergonomics; fire prevention, motor vehicle safety; recreation, athletic and home safety; workers compensation; occupational health; mishap investigation; hazard prevention; record-keeping and documentation; etc. To be selected as a winner, the command must prove that they are leaders on the "cutting edge" in each of these areas of occupational safety and health.

This year, NMCPH proved that it is one of the Navy's leaders in occupational safety and health. Secretary of the Navy John Dalton noted that this year's "awardees have two things in common: (1) safety is emphasized from the top down and involves all personnel; and (2) innovative ideas are explored and applied to reduce risk." These ideas and concepts are not only embraced, but cultivated throughout the command. Its numerous safety programs succeed because all personnel are involved in every aspect of providing a safe work

environment. Additionally, it has some of the Navy's best leaders in the field of occupational safety and health. The state-of-the-art industrial hygiene program and outstanding industrial hygiene team is led by Mike Tianen and the showcase command safety program is managed by Sylvia Rodriguez.

In addition, NMCPH seeks and seizes every opportunity to be innovative and positively affect, lead and improve the Navy's occupational safety and health posture. Its personnel have been involved in numerous areas such as base-wide hazardous material quality management boards and safety councils; revision and development of Navy-wide safety and personnel qualification standards; instructing at a West Coast Naval Construction Safety Conference and a Navy-wide and Inter-Service Occupational Health and Preventive Medicine Workshop.

This "cutting edge" leadership and command-wide involvement coupled with a commitment to excellence through safety is what helps produce an award winning safety program.

NMCPH will continue to provide the Navy with its "cutting edge" leadership through its award winning programs and innovative ideas and plans. It not only provides the best and safest work environment for its staff, but also to all those whom it supports in the Navy. Why? Because it is the right thing to do.



MEDICAL LEADERSHIP—Naval Medical Clinic safety members (left to right) HMCS John Fonti; XO Cdr. Lynda Salmond; CO Capt. Don Phillips; Sylvia Rodriguez, safety manager; Mike Tianen, Industrial Hygiene; and Lt. Albert Wong, Industrial Hygiene division head.

Police News

By Will Levy III
China Lake Police Division

Hello from the Police (Physical Security) Division. I guess the great "Power Out '96," as one of the local newscasters called it, gave us all a strong sense of life without electricity — would you still call that life?

This issue...
The China Lake Police showed off its softball skills during June and July. First, we combined with the local contingent of NCIS agents and dispatched the Ridgecrest Police Department by a score of 11-4 (or something like that). It was supposed to be a one game match, however, following a belly stuffing barbecue, they challenged us to another game. Fortunately for them, most of our team had left and they (RCPD) were able to win the "consolation" game that we played using some of our children! In July, we defeated the China Lake Fire Division; staking claim to tops in the Safety and Security Department. Do I hear any challengers out there?

In doing our part to reduce the amount of space maintained on Station, per the Business Recovery Team initiatives,

Statistically speaking... what's been happening at The Lake

physical security personnel located in Building 01182, adjacent to the Pass and I.D. office, will be relocated within the China Lake Police (Physical Security) Division offices. So if you are looking for Mike Sanford, Bill Lyons, Ross Seybold or Syd Blowers, they've moved to 800 E. Inyokern Road, Building 00879.

Speaking of Pass and I.D., many of you have had the opportunity to deal with Lt. Dave Burke as manager of this function. Dave has done a great job for us in making this a smooth operation. Unfortunately, due to manpower cuts, he will be transitioning back into Patrol Operations as a watch commander. Gail Reed will assume his duties at Pass and I.D. and is currently working with Dave to learn the ropes. Beginning Oct. 1, she will be the sole point of contact for Pass and I.D. assistance. Gail can be reached at 927-1380.

Welcome to MA1 Ronald Seoney, a ten-year Navy member. Ron is married and has two children. He originally hails from Camden, N.J. Among other duties,

he will be the Kennel Supervisor of the Military Working Dog (MWD) Program at NAWs. Ron comes to us from his last duty station at Guam. While there, he was the kennel supervisor, trained with the Seals for two years and attended the Seal school upon his departure from Guam. Previously, he had been stationed at Mayport, Fla.; La Maddalena, Italy; and Holyloch, Scotland. He has successfully completed the K-9 Handlers' and the Master at Arms schools. During various tours he has served as a K-9 handler, military investigator, patrol officer and watch commander. He has had the opportunity to work with Customs and the Drug Enforcement Agency on various operations as a MWD handler. In his spare time, Ron's hobby is dog training — what else! You can reach him at 939-6538. He will be a welcome asset to the Police (Physical Security) Division.

Did you Know...
The term "Speed Trap" is often misunderstood. Commonly, people think this is the type of situation depicted in "Smokey and the Bandit" and other movies where the officer is hidden (behind a billboard) from view of the driver waiting for a speeding car to zoom by. The surprised officer then dumps his coffee in his lap (or his partner's lap), flips on his lights and siren and the chase is on. Only in the movies! In fact, a speed trap exists where a particular section of roadway has been premeasured for dis-

tance and marked to indicate the beginning and ending points of the "trap," and where vehicle speed can then be calculated by clocking the time it takes to travel between the two points. Another definition of "Speed Trap," with certain exceptions, is when radar or other electronic devices are used to measure speed on a roadway where an engineering and traffic survey have not been conducted within five years prior to the alleged violation. I might add that while we don't encourage our officers to hide out while working traffic, there is no vehicle code, nor Station instruction, that expressly prohibits one from doing this.

Third Quarter FY96:	
Total calls for service	3136, up 7%
Traffic accidents	28, no change
Alarm responses	89, down 23%
Traffic stops (citations)	235, down 30%
Traffic stops (warning)	668, down 11%
Arrests	17, up 55%
911 calls	62, down 6%
Security checks	4261, up 8%
Security infractions	197, up 9%
Petty theft	11, up 10%
Grand theft	4, down 20%
Burglary	0, no change
Vandalism	9, up 125%
Assaults & battery	11, up 38%
Spousal abuse	3, up 300%
Peace disturbance	17, no change
DUI	4, up 400%
Badges/passess issued	8765

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Safety Sense

By Dena Christison
Safety Specialist

Come to grips with carpal tunnel syndrome

One of your co-workers or friends complains of wrist aches and numb fingers. He has difficulty doing even simple tasks like opening a jar. What's going on? It may be a Cumulative Trauma Disorder, also called a repetitive motion injury. This is a musculoskeletal disorder involving repeated actions affecting hands, wrists and arms, legs, back or shoulders. One of the most common cumulative trauma disorders is tendinitis, an inflammation of the hand, elbow or shoulder tendons. Tenosynovitis is tendon and

sheath inflammation in the hands or arms. But the CTD receiving the most attention these days is Carpal Tunnel Syndrome.

CTS is common and affects those who use repetitious hand and wrist motions over and over again at work or at home.

How pain is caused. The carpal tunnel is the bony cavity in the wrist through which nerves and tendons extend to the hand. When hand and wrist movements are repeated day in and day out, the excess strain causes tendons to swell and press on the main nerve of the hand. This persistent

irritation of the nerve can result in pain. Hand positioning. When wrists and elbows are kept straight, less pressure is placed on the tendons and nerves in the hands. Workstations should be adjusted to allow the user to keep forearms, wrists and hands straight. Sometimes we call this a "neutral" position because there is no excessive flexion or extension of the joints. Another suggestion is to use large full hand movements rather than using just ones fingers to accomplish a task. Alternating the use of one hand and then the other allows somewhat of a rest break for the nerves and tendons. Make sure to use tools with the appropriate width, size and shape. This is so one can grip tools comfortably, the tools can absorb vibration, and handles are positioned to keep wrists and hands in alignment.

What else can be done to prevent CTS? The most effective way to reduce the risk

of developing CTS is to change the way you perform a specific task. Have tools or workstations redesigned, adjusted or improved so that you can work in a neutral position. Slow the speed of production and allow time for rest breaks and stretching exercises. Rotate the jobs performed so that you are using different muscle groups, nerves and tendons.

Therapy and sometimes surgery are the options once symptoms of Carpal Tunnel Syndrome have advanced. Therapy is beneficial when signs of trauma are noticed early on. Surgery is always considered the last resort for advanced cases. The best solution to combating the growing problem of CTS is prevention. Take some steps today to improve your workstation.

If you need additional information, training or assistance to improve your workstation or tasks being performed, contact the Safety Office at 939-2315.

Local power outage — did you pass the emergency check list test?

By Dawn Rizzardini
China Lake Fire Division

On Aug. 10 the western United States experienced a major power outage. For some, life without electricity lasted only minutes, for others it lasted for hours. After minimal searching around the house, my family and I were able to find a few short-wave radios. After a few minutes, we were also able to find a radio station that was operating off of generator power.

If this had been a major disaster, and relief had not been only hours away, how well would you have done? Consider this situation a test in disaster preparedness. Were you at home or at work? In either setting, did you:

- Have operable radio's and flashlights? Extra batteries? Have enough water for you, your family, your pets? Have food that did not require extensive cooking? Did you have something to cook on? Did you stay at home leaving the roads clear for emergency

responders, or were you driving around trying to find a store that was open for business? Or trying to find out if anyone else had power?

•Leave the telephone lines open for emergency responders, or were you trying to contact family and friends to see if their power was out?

•Were you able to account for all family members? Did they return home, or to an established meeting place, once they realized there was an emergency?

Many people agree this was a good trial run to evaluate ourselves in the event of a true emergency. The mere fact that Ridgecrest, China Lake and the surrounding areas had running water throughout this event was a luxury. Rarely does the community get an opportunity to preview a disaster, to prepare ourselves and our family members to deal with a true emergency.

If you more information contact Dawn Rizzardini or Gary Alvidrez at the China Lake Fire Division.

Past and present

Women's Equality Day celebrated at Wreck Center on August 31

By ACI(AW) M. Gail Johnson
NAWS Ethnic Observance Committee

At the NAWS China Lake's Ethnic Observance Committee's Salute to Women's Equality Day celebration Aug. 31, two outstanding women, Electa Russell and Lt. Kim Yager, will be honored as the civilian and military Women of the Year for Fiscal Year 1995.

They will be awarded certificates at a ceremony starting at 6 p.m. at the Wreck Center. The evening's entertainment includes a historical event with fashions from 1920 to 1990 and dancing to DiscWorks.

Women's Equality Day came about as a presidential proclamation which is celebrated each year on Aug. 26. By 1995 most legal and social barriers towards women have been removed, and it has become increasingly difficult for women to recall the overt discrimination experienced in the past. Women who were 21 years old when the 19th Amendment passed in 1920 would now be over 95.

During the years of World War II some people considered women to be at "their peak" professionally when Harvard Medical School dropped its arbitrary five percent ceiling and allowed 12 female students to attend. However, when the men returned home from the war, women lost

many positions they had held and were sent back to the usual positions given to women, such as school teacher, secretary and housewife.

Today women work all careers side-by-side with men. However, the struggle remains in many places due to the glass ceiling. But, by bending the positive attributes of both genders, we can all become more adaptable and flexible human beings, who are less prone to compartmentalize people's abilities based on gender.

The civilian awardee is Electa Greenleaf Russell, the executive director of Naval Air Weapons Station. As deputy to the commanding officer, Capt. Stan Douglass, she directs the administrative and resource allocation for 600 plus personnel. Russell functions as the senior civilian at NAWS China Lake, providing corporate leadership, advice, counsel and continuity in the organization.



Electa Russell

When asked what her secret to success was, Russell said that as the 10th child of 11 children she said her parents never gave her the opportunity to do less. Her advice is not to expect success without working for it; be able to work with all kinds of people; and show respect to everyone you meet. This sound advice has aided her in all her endeavors.

The military awardee, Lt. Kim Yager, is a positive force at China Lake. As the flag administration officer for former NAWCWPNs Commander RADM. Dana McKinney, and current commander, Capt. Jack Chenevey, Yager has been an inspiring role model for other female military members.

She finds time to pilot on the Navy Balloon Team and participates either as the pilot, or in the backseat on numerous missions aboard such aircraft as the A-6, AV-8, F/A-18, SW3 and T-39.

With a Bachelor of Fine Arts in Graphic Design, Yager entered AOCS in 1988 at Pensacola, Fla. There she became an ensign and flew her first aircrafts, the BT-3 and T-34C. Her objectives were to become a jet pilot and land aboard a carrier. Yager flew both the T-2 and the A-4 at Naval Air Station Kingsville, Texas. Used to accomplishing her goals, she snagged four carrier traps in the T-2 and six in an A-4. After flying the T-39 out of San

Diego, Yager moved on to Japan. As the admiral's aide at COMFAIRWESTPAC she was able to continue flying while experiencing Japan's culture.

As a woman in the military, Yager said she has been treated fairly and with respect. She added that it is not necessary to lose your femininity as a military woman but that "You have to focus on your goals," she said. Her advice to young women is to develop skills in high school and college through extra activities. These should include sports, forensics and government.

The NAWS China Lake Ethnic Observance Committee is proud to acknowledge the contributions Electa Russell and Lt. Kim Yager have made to the history of women in our country.

Admission to the show and dance is free. The Wreck Center will provide a no-host bar. For more information, please call 939-6523 or 446-7432.



Lt. Kim Yager



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Talent, potential and initiative qualities for future NAWCWPNS leaders

In one of his first roles after assuming the watch from Capt. Jack Dodd, NAWCWPNS Vice Commander Capt. Doug Henry presided over the Senior Executive Management Development Program (SEMMP) graduation held July 30 at the China Lake Exhibit Center. Graduates from both the China Lake and Point Mugu sites were honored for completion of the rigorous management development program of the Naval Aviation Executive Institute.

After introductory remarks by Ray Terry, chair of the Research and Engineering Competency SEMMP committee, Henry outlined the history of the program. "The origin of SEMMP goes back to 1975 when Naval Air Systems Command established a program to identify and develop men and women in management who possess the talent, potential and initiative to eventually reach senior management level within NAVAIR," remarked Henry. He additionally noted the program has been available to Point Mugu personnel since 1982 and to China Lake personnel since 1990 when former NWC China Lake became a NAVAIR field activity.

SEMMP is designed to develop eight fundamental competencies vital to senior management success. Typically, the program requires three to five years to complete including a number of mandatory core courses and additional education,

training and developmental activities specific to an individual candidate. Many successful candidates complete a lengthy rotational assignment to NAVAIR headquarters as part of their training plan developed jointly with their mentor, typically a member of the Senior Executive Service. Each participant is required to select a mentor shortly after entry into the program.

Henry, representing Sterling Haaland, the Research and Engineering Competency director, presented letters of congratulations and certificates of achievement to each of the R&E graduates after providing a few comments regarding each graduate.

Ray Terry, representing Dr. Ron Smiley, Systems Engineering Department head; Paul Homer, Weapons and Targets Department head, and Grace Tatum, Support Equipment Department head, assisted with the presentations.

Capt. Tom Russell, representing Steve Mendonca, Test and Evaluation Competency director, commented on the efforts extended by all graduates to complete the rigorous management development program. Several graduates were unable to attend the graduation because of commitments resulting from increased responsibilities associated with new posi-

tions because of participation in SEMDP. Although participation and completion of SEMDP does not automatically result in selection to new positions, graduates receive exposure which results in additional responsibilities and assignments.

Henry added, "Let me extend to each of the graduates the appreciation of the command for your sacrifices to meet the needs of naval aviation...want you to know that they appreciate the sacrifice required to complete SEMDP and to ensure that NAWCWPNS has an outstanding cadre of personnel prepared to lead naval aviation into the 21st century."



SEMMP - 1996 Naval Aviation Executive Institute Senior Executive Management Development Program graduates from NAWCWPNS include (left to right) Don Hilliard, Phil Brown, Mike Spencer, Stuart Blashill, Penny Bott, Sandy Rogers and Scott Weed. Not pictured are Ken Aw, Joe Pesce and Mark Schallheim.

Tech Library News 'n' Tools

By Wallace Martin
http://chktclib.chinalake.navy.mil

Sept. 1 is the last chance this year to "Put Your Money (end-of-year) Where Your Data Is." Your Technical Library is expanding its electronic inventory in support of your project research.

In this regard, the Tech Library is inviting projects to make information investments. In the past five years more than 60 projects have invested expiring funds to help the Tech Library help project research.

In addition to enhanced project service, the Tech Library was able to purchase new books, periodicals, CD-ROMs, and literature search access. Last year investments ranged from \$500 to \$10,000 for a single project. With these much needed funds, the Tech Library was able to purchase a new Chemical Abstract CD (\$7,000), over 50 new books for projects and four new periodical subscriptions for project needs, to name a few items.

A most unique Information Investment incentive package has been developed. Projects investing \$2,500 or

Keep your project research alive and well

more will receive a "Hot-Topic Service," extended literature searches, DeskTOC Service, personalized project remote access assistance, and personalized project pick-up and delivery service.

Under the Hot-Topic Service, the investing project gives the Tech Library three hot-topics and the Tech Library will research the "hottest" sources and give that project a regular, ongoing, written monthly report throughout the year.

With extended literature searches, the investing project may take advantage of additional staff research time at no additional cost.

With the new DeskTOC service, the investing project makes a list of up to 50 of their all-time most needed periodical titles (over 14,000 to choose from). Before each issue hits the stands, the Tech Library will e-mail that project the table of contents. If complete text is needed the Tech Library will quickly get it. For the end-of-year incentive program, the Tech Library will offer one

service for every five computers within the investing project.

With personalized remote access assistance, the Tech Library will offer the investing project extra attention to help them make full use of the new Virtual Library right from their desktop. The Tech Library will send out a computer specialist to help configure their computers so they match the Tech Library format. Then the investing project can begin to make full use of the Tech Library at their own office!

With personalized pick-up and delivery service, the Tech Library will pick up and deliver anything going to and from the library and the investing project office. No more overdue notices!

Information investments help support your Science and Technology network, improve and streamline customer service, expand your CD-ROM Library, periodicals, and inter-library access, sponsor more classes to teach you new search techniques and develop a new patron packet and S&E information access training materials.

To help keep your project information alive and well, call your Technical Library team with your J.O. number today and "Put Your Money Where Your Data Is!"

Investments must be made no later than Sept. 1. You may reach Mary-Deirdre Coraggio, Barbara Manley or Reg Read at 939-1017.

Simple steps can save a child's life

The Kern County Lead Poisoning Prevention program currently has 92 cases of children with high levels of lead. Often called the invisible poison, high levels of lead can silently affect a child's I.Q., ability to learn and emotional development. The following tips can be invaluable in reducing the risk of lead poisoning.

Wash children's hands often, especially before eating. This is a simple step but one of the most effective in preventing both the spread of disease and poison.

Keep your home as clean and free from dust as possible. Take your shoes off before entering the house, or make sure they are wiped well on a doormat outside the house.

Never sand, burn or scrape paint unless you know that it does not contain lead. Encourage healthy eating habits. Eating regularly healthy meals makes it harder for lead to hurt your child.

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Team earns award for WSSA support services follow-on contract

A NAWCWPNS Team Award was recently presented to the group that processed the follow-on to the CTA, Inc. contract for Weapons System Support Activity support services. This procurement was under the management of Naval Information Systems Management Center and through efforts of the team procurement authority was granted as a test case to see if China Lake is capable of handling a procurement of this size and complexity. According to Matt Anderson, head of the Avionics Department, they succeeded with flying colors.

"Once management of the procurement was granted, the remaining time necessitated a very aggressive schedule in order to award before the expiration of the existing contract," explained Anderson. "This included passing reviews by the Naval Information Systems Management Center and the Naval Air Systems Command. The team met the schedule even though most of the team members accomplished their responsibilities as collateral duty."

Team members included Libby Chan, Fred Lentz, Jane Thorpe, Bruce Macintosh, Rosie Fabiano, Al Sutton, Robyn Anders, Rich Blosser and Sharon Irving of the Research and Engineering Competency; Martha Slayton, Jean Butler, Dell Hledik, Blaine Manson and

Jackie Patterson of the Contracts Competency; Russ Spindler, Rick Dale, Melanie Truesdale, Bryan Hill, Pat Connell and Craig Haughtelin of Corporate Operations; and Pam Lochhead and Lois Herrington of the Small Business Office.

According to Anderson, protests on the small business issued resulted in the need to negotiate and award a bridge contract with CTA, Inc. to continue the WSSA

support services. "There was a very short time frame, yet the bridge contract with all its delivery orders was awarded, successfully avoiding a break in services," he said.

While the work on the bridge contract continued, the same team had to respond to data calls from the Small Business Administration related to protests on their issued. The SBA finally decided in favor of the government's proposed awardee.

"In response to protests filed through the Government Accounting Office against the contract award and the NAWCWPNS selection processes," explained Anderson, "the team was required to prepare several packages to rebut the allegations of the protester and to prove the validity of China Lake's selection process. And they decided in favor of the government, without any reservations or action items."



TEAM AWARD—Matt Anderson (left) presented a team award recently to the group that processed the follow-on to the CTA, Inc., contract for Weapons System Support Activity support services. The team included (back row, l-r) Fred Lentz, Al Sutton, Rosie Fabiano, Pam Lochhead, Bryan Hill, Dell Hledik, Jean Butler, Rick Dale, Russ Spindler, Pat Connell, Sharon Irving (front row, l-r) Jane Thorpe, Robyn Anders, Jackie Patterson and Martha Slayton. Not pictured: Libby Chan, Melanie Truesdale, Bruce Macintosh, Blaine Manson, Craig Haughtelin, Lois Herrington and Rich Blosser.

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Michelson Lab network upgrade

The Information Management Department's Corporate Network Project is in the process of a major data network renovation in Michelson Laboratory. This project will upgrade the entire network backbone on the first and second floors of the lab.

The original network dates back to 1982 when it was an integral part of the Xerox network, the first modern computer network at China Lake. The existing network backbone is a single 10 million bit per second (MBPS) network. The new network will comprise of nine 100 MBPS fiber distributed data interconnect (FDDI) networks attached to high speed Ethernet switches. These switches will be connected through 10BaseT hubs to all the existing CASI universal phone jacks. Some existing 10BaseT wiring hubs will be utilized with the new system but many of the smaller hubs will be replaced.

In addition, nine new TCP/IP (Internet) and AppleTalk subnets will be created. Network users will be

switched from the old network to the new network over the next few months. The change to the faster, more fault tolerant network will require current Ethernet users to change to new TCP/IP addresses and new AppleTalk zones. Most network users will not have to make any hardware changes to their desktop computers to take advantage of the new system. In addition to the new high speed fiber optic based network, Uninterruptable Power Supplies (UPS) will also be installed in key wiring closets to keep the network operational should the lab experience a power outage.

These changes are being coordinated with the Network Management Center and network administrators within Michelson Lab.

Please watch the daily network status reports for dates, times and or contact your local network administrator. For further information, please contact the network design engineer, Larry Graham, at 446-1542.

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LIVE FIRE from Page 1

to know the actual effects of ground-fire strikes is through dynamic testing.

Dynamic testing poses a significant technical challenge. How does one get the threat projectile (traveling at well over 2,000 feet per second) to impact at a

Even Annie Oakley couldn't do this!

To hit a target point on a rotor blade moving at 500 miles an hour with a projectile moving at 1,700 miles an hour calls for precision planning — and ingenuity. WSL engineers, assisted by the NAWCWPNS Guns and Ammunitions Engineering Section, devised the following approach.

The gun is aimed at a point in space where impact will occur. This aimpoint is determined mathematically, then fine-tuned for each shot by using a laser (boresighted to the gun) reflecting from a piece of metallic tape on the target point.

A laser mounted on the rotor-hub signals when the blade passes a fixed point. Time between blade-passage detection and the target point actually arriving at the aimpoint must equal the time between blade-passage detection and the projectile arriving at the aimpoint. Using gun, sensor and target geometry, engineers developed an algorithm that computes when the firing pulse is sent to the gun.

Because nearly identical velocity is required from shot to shot, the threat rounds are "groomed." This process includes boring out the mechanical primer and installing an electric primer and initiator, precisely loading the cartridges, selecting bullets having weights and diameters within narrow ranges, and temperature-conditioning the round and gun barrel prior to each shot. These techniques reduce shot-to-shot variation in aimpoint arrival time to about 0.00007 second.

precisely specified point on a rotor blade that is turning at more than 300 revolutions per minute? The solution involved lasers, custom-tuned ammunition and specially designed firing circuit algorithms (see Sidebar article).

For this test series, WSL engineers used 12.7-, 23- and 30-millimeter ammunition simulating threat ground fire. All rounds were either armor-piercing incendiary (API) or high-explosive incendiary (HEI). Tests were done with the remotely-controlled helicopters in a 1-g hover, and the hover was to be maintained for 30 minutes after the shot, if possible. Therefore, airworthy platforms were called for. "Most were with high-hour AH-1Ss," said Jay Kovar, head of the WSL. "We got nine from the Montana National Guard who flew them down to China Lake last winter."

Is dynamic testing really necessary? That is one of the questions the current test series hopes to answer, because dynamic tests are significantly more complex and expensive than static tests. Analysts will use the results of the WSL tests to determine if a combination of sta-

tistic testing and analytical modeling can yield comparable results.

That is where the Army comes in. The Army Research Laboratory uses analytical models of the helicopters for damage prediction and assessment. Army analysts will run their models to predict the effects caused by specified (impact velocity, location, angle and type of projectile) ballistic strikes. The predictions will be compared with the actual damage sustained under identical conditions in the WSL dynamic tests. The comparison of predicted and actual results will be used to validate and refine the Army models.

Shooting the moving rotor blades was only the first task in the three-year test series. Subsequent work will involve rigorous evaluation of the effects of blade damage on helicopter subsystems, as well as ballistic testing of fuel cells and other helicopter subsystems. In one scenario, Battle Damage Repair teams from the Army, Navy and Air Force will come to China Lake and make repairs to ballistic-damaged rotors, which will then be spun up on another Cobra to assess the

effectiveness of the repairs.

Ballistic testing is part of a larger Joint Life-Fire Program helicopter-survivability effort that will also characterize the effects of high-power microwaves and of laser radiation. Coupling tests — measurements of the helicopter's susceptibility to RF radiation — are now under way at NAWCWPNS' Junction Ranch Radar Cross Section Range. An AH-1S is mounted at the top of a foam-covered column and radiated by an RF source. On-board instrumentation measures the degree to which the radiated energy induces potentially damaging energy within the aircraft. Test results will be compared with predictive coupling models developed at the Lawrence Livermore National Laboratory.

For the warrior, the battlefield will always be a dangerous place. But efforts like these OSD-sponsored studies will pave the way for programs to improve the warrior's chances of survival. The bottom line payoff will be helicopters that have a better chance of completing their mission and returning their crews safely home.



Photo by Danny Zurn

SUPPORT TEAM—Government and contractor personnel who helped perform the dynamic ballistic test included (front, l-r) Bill Ryan, Al Wearer, Mike Gray, James F. O'Bryon, Tom Julian, Gary Burgner, John Hutmacher, (back, l-r) Mike Gallagher, Don Watke, Norm Campbell, Jim Dillon, Al Hill, Steve Freeman and Ed Schafer.

SWITCH from Page 1

electromagnetic signals to below levels specified by National Security Agency standards. The switchbox was also retrofitted with a control bar that spans both switch control knobs to ensure the user is not double-connected to two different networks at the same time.

NAWCWPNS Special Security Office personnel locally tested the feasibility of this configuration with good results. However, to implement the usage of this type of device on government AIS network systems required formal testing and certification. Funding for the formal testing and documentation of test results by the Naval Command, Control and Ocean Surveillance Center In-Service Engineering, East Coast Division (NISE East), was provided by Scott O'Neil, head of the Information Management Department.

The switch design was approved in August 1995 for use throughout the Department of the Navy by NISE East for AIS platforms in which the switch has no direct connection to outside network lines. The switch was approved for System High network configurations at security levels up-to and including Secret. The secure

switch was also authorized for use by SSO Navy (ONI-54) for AIS platforms processing Top Secret, Sensitive Compartmented Information (SCI) connected to SCI networks operating in a System High environment.

Dave Shipley, NAWCWPNS network security officer, said, "Steve's switch will provide a cost effective capability that has not been available to date. This is not only a great security device but also allows managers, in most cases, to reduce depreciation costs of hardware by eliminating the need for two separate computers."

This switch is the only switch approved for classified/unclassified network connections throughout DoD. Users utilizing the secure switch for classified/unclassified processing must maintain an AIS platform configuration in which a removable drive is equipped with data cartridges — one for classified and one for unclassified processing — containing separate operating systems. Shielded cables that are properly grounded are utilized to maintain the required isolation integrity of the switch. An internal hard drive cannot be used.

The switch, when used in the approved configuration,

adds a physical security control to the AIS platform by allowing the user to disconnect from an unsecure LAN. This feature will protect the data on the user's machine from unauthorized retrieval (i.e., an intruder from Internet). If the user is connected to a secure LAN via the secure switch, the disconnection feature from the unsecure LAN will protect other connected machines on the secure LAN by eliminating an electronic bridge to data located on the other machines utilizing the secure LAN.

NISE East identifies the authorized network switch as Black Box Corporation R/B Switch Part No. A1AA13784. Switch components and assembly is conducted by Market Central, Inc., of Houston, Pa.

The cost of each switch is approximately \$300 plus the cost of the shielded cables. Switch box configurations supporting ethernet to ethernet, or ethernet to Appletalk are currently available and can be ordered to support over a dozen port connector configurations. Purchases can be made via Black Box Corporation, David Mariani, Government Sales, (412) 873-6672.

A Navy patent for Bouthillier is currently pending.



Great flood of 1984 remembered

SCHIEFER FALLS—Skip Gorman, of the Signal/Micro Computer Technology Section, helped organize an event on Thursday, Aug. 15, to mark the 12th anniversary of the Great Desert Flood of '84. In his short speech, Gorman reflected upon how the rain represented a portent of change for China Lake. Then he proceeded to throw out a water balloon, representing the rain, onto the steps leading to the basement of Michelson Lab. Others joined in the ceremonial deluge.

Photo by Tim Tyson

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Notes 2 and 3 apply.

NAWCWPNS (CHINA LAKE)

No. 53-056-DE6, Senior Office Manager, DG-303-03, Code 53B000D—Area of Consideration: NAWCWPNS (China Lake). **Opening Date:** 8-22-96. **Closing Date:** 9-5-96. **Permanent Change of Duty Station Authorized:** No. **Selecting Official:** R. Lewis Ballenger, (619) 927-1300. **HRD Contact:** Diana Eggleton, (619) 939-8111. **Summary of Duties:** This position is Senior Office Manager for the Associate Head of the Threat/Target

Systems Department. The incumbent is responsible for the full range of office managerial duties including answering and placing calls; making travel arrangements; planning for conferences; maintaining and coordinating the supervisor's calendar; and reviewing and editing standard correspondence, reports, and other documents. In addition, he/she ensures that proper grammar, spelling, and punctuation are reflected in correspondence, appropriate formats are used, and information is presented in an effective manner. The Senior Office Manager provides this support to division and branch managers. In addition, he/she provides travel, scheduling, correspondence, and other support to the Department Head when he visits on site. This Department is dual sited, and the incumbent will interact with the Department Executive Office Manager and visitors from the Point Mugu offices. Other duties include filing, receiving, and processing incoming and outgoing mail in accordance with standard procedures and ensuring that department staff follow security regulations. Experience in operating a Macintosh computer is desirable, but not required. Incumbent must be able to obtain and maintain a Secret clearance. **Quality-Ranking Factor:** Ability to provide a variety of office management services including drafting and reviewing naval correspondence, interpreting and applying naval directives, preparing travel orders and vouchers in accordance with Joint Travel Regulations, and tracking timekeeping data through use of the Time Labor Collection System.

DON WIDE

No. 474-017-RP6, Supervisory Research Chemist, DP-1320-3/4, Materials Characterization Section, Chemistry and Materials Branch, Research and Technology Division, Weapons/Targets Department, Code 474230—Area of Consideration: DON wide. **Opening Date:** 8-22-96. **Closing Date:** 9-23-96. **Selecting Official:** Robin Nissan, (619) 939-1602. **HRD Contact:** Robert Peoples, (619) 939-8120. **Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent will perform as Head of the Materials Characterization Section. Duties will include supervision of 15 to 20 scientists, engineers, and technicians. Work performed by the section includes maintaining a state-of-the-art

awareness of materials applications and analysis as these disciplines apply to ONR, NAVAIR, and NAWCWPNS programs. This will require developing active dialogues with on and off-Center program sponsors and potential sponsors. **Quality-Ranking Factors:** 1) Knowledge of materials properties. 2) Knowledge of chemical analysis of materials used in Navy weapons and other programs. 3) Ability to apply materials characterization and analytical chemistry concepts to basic and applied research, development, test and evaluation, manufacturing technology, acquisition, and in-service engineering of weapons and aircraft systems. 4) Knowledge of Affirmative Action principles, including a willingness to implement EEO practices. 5) Ability to manage a diverse team of senior experienced technical professional personnel. 6) Ability to meet DOD/DON acquisition management policy objectives, processes, and procedures. This is a Level III DON Acquisition Position in the Systems Engineering Acquisition Career Field. Incumbent must be able to obtain and maintain a Top Secret clearance. Promotion potential: DP-4. **Note 1, 2, 3, and 4 apply.**



**NAVAL AIR WARFARE CENTER WEAPONS DIVISION
ANNOUNCEMENTS**



ALL NAWCWPNS SITES GENERAL ANNOUNCEMENTS

TSP RATES OF RETURN
The latest TSP rates of return are:

	C Fund	F Fund	G Fund
July 1996:	(-4.39%)	0.27%	0.58%
Last 12 months:	16.54%	5.57%	6.58%

INTERFUND TRANSFERS: An interfund transfer changes the balances of your TSP account that are invested in the three TSP funds. An interfund transfer affects only money already in your account; it does not affect the way your future payroll contributions are invested. You can make interfund transfers monthly if you wish. Interfund transfers can be made by using the THRIFTLINE, telephone (504) 255-8777. For more information on using the THRIFTLINE, at China Lake call John Powers, 939-2574; and at Point Mugu call Peggy Topham, X-3323. Ask for a copy of the FACT SHEET - Using The ThriftLine.

ELECTRONIC EQUIPMENT AVAILABLE

Having year-end budget problems? The Reutilization Program may help fill your equipment needs at bargain prices and use expiring funds prior to the deadline. The following preowned electronic equipment is now in stock:

7000 series mainframes	\$800 and up
7000 series plug-ins	\$300 and up
5000 series plug-ins	\$200 and up
Fluke digital multimeters	\$350

All equipment is calibrated and warranted. We can help locate almost anything you need. For more information, call Rick Maegaard, Code 522610D, at 927-1018.

REPORTS, PRESENTATIONS, PHOTOS, VIDEOS, EXHIBITS, AND MORE! TID IS STILL IN BUSINESS

Reports of our demise have been greatly exaggerated. TID is still in business, most of our creative staff is still in place, and we are eager to serve you. We are currently reorganizing—consolidating groups and closing down some locations—and on 1 August we will be standing up our new organization.

Our talented illustrators, designers, exhibit specialists, writers, and editors will be located in four sites:

- Armitage Field (off Aviation Blvd.)
- Central Publications and Graphic Arts (Harpoon St.)

UNIVERSITY OF TENNESSEE MASTERS DEGREE PROGRAM

With fall term beginning in early September now is the time to consider how a master's degree could enhance your future. The University of Tennessee Space Institute (UTSI) offers a master's degree in aviation systems to those individuals who have a bachelor's degree in engineering or science. Videotaped courses offered on-site at the University are sent to students enrolled in the China Lake, Point Mugu, and Edwards areas. The tapes can be viewed by students in the comfort of their homes.

The degree is designed for those who wish to study under a "systems philosophy" toward a career in research and development or administration in areas pertinent to aviation. Additionally, UTSI offers up to 15 hours of credit for Navy Test Pilot School (TPS), thereby enabling a student to complete a master's degree by taking four to five courses, not including thesis or non-thesis hours.

Note: If you are located at Point Mugu, all video tapes and exams are available to you there. You do not need to travel to China Lake to enroll in or participate in this program.

For more information, contact the area representative at (619) 927-UTSI or (619) 446-2814. You can also stop by our office at the Family Service Center, Office K, on Tuesdays and Wednesdays from 1030 to 1330.

- North Michelson Lab Compound (behind the Engineering Bldg.)

- Exhibits/Awards (off Lauritsen Rd., set back from the Thrift Shop)

The folks in the Photo Lab and Video group will remain in their usual locations. The Distribution Office has joined with Central Publications.

Closed on 1 August were China Lake Field Groups located at the CLPL, the second floor of Michelson Lab, and the old Dispensary, and the Point Mugu TID Section was closed. For those of you used to doing business with one of our closing groups, please remember that TID support is only a phone call, e-mail message, fax, or shuttle flight away.

We look forward to continuing to serve you.

Technical Documentation
Jim Koch, Head 939-3428

Publications/Graphics Section
Russ Bushnell, Head 939-3253

Publications/Distribution (Bldg. 02339)
Ramona Bernard 939-3740

Presentations (Bldg. 02339)
Pat Kulas 939-3391

Graphics (Bldg. 02339)
Bill Erwin 939-2610

Exhibits (Bldg. 00052)
Bob Reber 939-7355

Publications/Graphics Mich. Lab Compound (Bldg. 91070),
Kim Koch 939-0758

Publications/Graphics Airfield (Bldgs. 91032/91043)
Lisa Jaramillo 939-5497

Video Services (Bldg. 02334)
Greg Dye 927-3305/
939-1103

Photo Services (Bldg. 00005)
Tim Tyson 939-1112

Photo/Video Section
Greg Dye, Head 927-3305/
939-1103



CHINA LAKE GENERAL ANNOUNCEMENTS

BCBS REPRESENTATIVE TO VISIT CHINA LAKE
A Blue Cross/Blue Shield (BC/BS) service representative will be at China Lake on Monday, 26 August to answer questions regarding your coverage and help you with any related problems. Please bring all documentation relevant to your concern. Come to the Training Center, Room 203, between 0800 and 1100 and 1230 and 1430. If you have questions, contact Leora Fields at 939-2018.

FINANCIAL COUNSELING FOR EMPLOYEES
Each year, thousands of people are confronted with overwhelming money problems. It all starts when it's time to pay bills. You take out your checkbook, look at the

balance, and add up what you owe. You realize you don't have enough money to pay all the bills, so you begin with the priorities. Who gets paid first? Who can wait? The fact is, all creditors want their money. If you can't do something about it, you're in trouble. Trouble can spill over into your work and family life. You receive late payment notices, letters from attorneys, and unpleasant telephone calls.

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

You can call the Employee Assistance Program Office at 939-2018 to arrange for an appointment.

CHINA LAKE TOASTMASTERS COMMUNICATIONS AND LEADERSHIP PROGRAM

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

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

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

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

POINT MUGU GENERAL ANNOUNCEMENTS

LABOR REPRESENTATIVE FOR BARGAINING UNIT EMPLOYEES

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

NEW CIVILIAN EMPLOYEE ASSISTANCE PROGRAM

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

supervisory referrals are welcome. The program is located in Bldg. 211 (first floor). The CEAP has a separate exterior entrance on the Wood Road gate at the end of Building 211. All interviews are confidential. For further information, call Carole Stevenson at 989-7708 or 989-8161.

EMPLOYEE COMMUTE OPTIONS PROGRAM

To participate in the Employee Commute Options Program, use alternate means of transportation (any mode of transportation other than a single-occupancy vehicle) to commute.

Eligibility Requirements: To be registered in the NAWCWPNS Employee Commute Options Program, an individual must be an active-duty military member or civilian employee of NAWCWPNS Point Mugu or

Camarillo Airport worksites using an alternative means of transportation to arrive at the worksite. Alternative means of transportation include walking, running, bicycling, car/van pooling, public transportation (including base transit system), and using a vehicle that runs on clean fuel, such as propane, methanol, compressed natural gas, or electricity. A carpool includes passengers 16 years of age and older who are transported to school or work, or persons who are registered and transported to employer-sponsored day care or elder care facilities located within a 1/2-mile radius of the worksite.

Rideshare Hotline: For rideshare hotline information, contact the Employee Transportation Coordinator, Bill Guzman, at 989-1360.

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 (619) 939-2018.

CHINA LAKE

Dianne Murray, Code 240000D,
Dianne is caring for her husband, who had quadruple bypass surgery.

David Dembeck, Code 529410D
David is recovering from heart surgery.

Lorree Bosworth, Code 4J4000D
Lorree is recovering from back problems.

Dave Green, Code 455310D
Dave is currently being treated for complications of ulcerative colitis.

Peggy Van Skike, Code 762000D
Peggy has various medical problems.

Cynthia Wilson, Code 723100D
Cynthia has gastrointestinal problems.

Norman Wheeler, Code 331000D
Norman is recuperating from an extended hospital stay.

Doug Mendez, Code 824210D
Doug was injured in a vehicle accident and has a broken back.

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

Leslie Folden, Code 826400D
Leslie is currently under a physician's care for a chronic condition.

Judy Post, Code 761100D
Judy is having surgery to repair a ruptured disk in her neck.

POINT MUGU

Sally Rodriguez, Code 56CD00E
Sally is under a doctor's care due to complications from a herniated disk.

Norma Levin, Code 831200E
Norma is under a doctor's care.

Marion O'Brian, 4KL500E
Marion's daughter is undergoing a lung transplant.

Sandra Lyle, Family Service Center, CBC, Port Hueneme
Sandra is undergoing major surgery.

Mikki McCully, Code 454930E
Mikki is recovering from major surgery.

Raymond Lawrence, Code 833710E
Raymond is recovering from bypass surgery.

Theron (LeRoy) Merrel, Code 834210E
Theron is recovering from back surgery.

Robert McGlew, Code 834210E
Robert is recovering from complications following back surgery.

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

Jeanie Salyer, Code 734000D
Jeanie is undergoing peritoneal dialysis while awaiting a kidney transplant.

Sandee Roberts, Code 7GB000D
Sandee has pregnancy complications.

Holly Bishop, Code 523100D
Holly is caring for her father, who has cancer.

Tina Liszka, Code 413100D
Tina has a medical problem.

CIVILIAN PERSONNEL DIVISION NEWS

APPLICATION PROCEDURES

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

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

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

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

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

AREA OF CONSIDERATION INFORMATION

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

NOTES

1. 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.**

2. 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.

3. **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.

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

NOTE: Applicants selected for Critical Acquisition Positions will be required to sign a Tenure Agreement to remain in that position for at least a three-year period.

5. **Merit Promotion Positions for Point Mugu Site Vacancies.** Applicants must meet all eligibility requirements (including, when applicable, time-in-grade and qualification requirements) within 30 calendar days of the closing date of the announcement.

GENERAL INFORMATION

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

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

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

MERIT PROMOTION

NAWCWPNS

No. 472-001-GB6, Interdisciplinary (Electronics Engineer/Physicist/Mathematician), DP-855/1320/1520-03, (2 vacancies), Weapons/Targets Department, Guidance and Control Systems Division, Code 472140D—Area of Consideration: NAWCWPNS. **Opening Date:** 8-22-96. **Closing Date:** 9-5-96. **Selecting Official:** Gerry Powell, (619) 939-4184. **HRD Contact:** Gail Bigelow, (619) 939-8113. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbents serve as

modeling and simulation analysts on the Signature Measurement and Modeling Section staff. The position is responsible for the integration, validation, and use of new features in infrared (IR) missile seeker, target/background phenomenology computer models. The incumbent is responsible for leading and conducting analyses of IR sensors acting in various environments, modeling target signatures and countermeasures, analysis of signal processing capabilities, as well as planning, customer interface, project execution, and reporting. **Quality-Ranking Factors:** (1) Experience in C and FORTRAN computer languages; (2) Ability to plan, conduct, and report analysis; (3) Knowledge of IR seekers and phenomenology including

optics, detectors, gimbals, backgrounds, targets, flares, signal processing, and control systems; and (4) Ability to meet mandatory DAWIA requirements for Level III of the Systems Planning, Resource Development and Engineering career field within 18 months of entering the position, and willingness to implement EEO practices. Promotion potential: DP-3. **Note 4 applies.**

No. 82-066-SP6, Supervisory Firefighter (Fire Prevention Inspector), DG-081-5, Fire Prevention Branch, Fire Division, Safety and Physical Security Department, Code 824210D—Area of Consideration: NAWCWPNS. **Opening Date:** 8-22-96. **Closing Date:** 9-5-96.

HRD Contact: Sharon Page, (619) 939-8105. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent is responsible for carrying out the fire prevention program for the Station and supervises three to six Fire Inspectors. Incumbent is responsible for the command of all suppression operations on duty night, which may include responding to structural, medical aid, crash, fire, and rescue incidents. Completion of Fire Command 1, National Fire Protection Life Safety Code, Fire Prevention 1A and 1B courses or equivalent is desirable, but not required. **Quality Ranking Factors (QRFs):** (1) Technical QRF: Ability to plan, organize, coordinate, and manage a fire prevention and a suppression program

JOB HOTLINES AND EMPLOYER INFORMATION

Company	Hotline Number	Remarks
County of Ventura	(805) 654-2847	Updated Fridays
County of Ventura Medical Center (Hospital)	(805) 652-6696	Updated Fridays
Country of Santa Barbara	(805) 568-2820	Updated Weekly
AMGEN, Thousand Oaks	(800) 446-4007	Updated Weekly
Bank of America (So. Calif., includes Ventura County)	(818) 307-6633	Human Resources Office
Blue Cross (Thousand Oaks/N. Park) Corporate Headquarters-Woodland Hills	(805) 379-8499/8009 (818) 703-3181	
Buena Ventura Medical Clinic	(805) 652-5243	Updated Weekly
City of Oxnard	(805) 385-7580	Updated Mondays
City of Ventura	(805) 658-4777	Updated Weekly
City of Thousand Oaks	(805) 449-2141	Updated Weekly
Bugle Boy, Simi Valley	(805) 582-5444	Updated Weekly
California Federal Bank	(818) 312-6078 or (818) 500-2899	Updated Weekly
Coast Federal Bank	(818) 366-8730	Updated Weekly
St. Johns and Pleasant Valley Hospital	(805) 988-2877 or (805) 389-5198	Updated Weekly
Great Western Bank	(800) 367-5545	Updated Weekly
Farmer's Insurance, Corp. Headquarters, Simi Valley	(805) 583-7888	Updated Weekly
Ventura Police Department	(805) 339-4450	Updated Weekly
Simi Valley Hospital	(805) 527-2462, ext. 2345; nursing ext. 3454	
Rockwell Science Center, Thousand Oaks	(805) 373-4827	Updated Weekly
GTE (General Telephone), Camarillo	(800) 521-5749	Updated Weekly
Pacific Bell Telephone	(800) 924-5627	Updated Weekly
So. Calif. Gas Co.	(213) 244-1234	Updated Weekly
Westlake Medical Center (Hospital)	(818) 706-6228	Updated Weekly
Von's Grocery Stores	(800) 283-8667	Updated Weekly
UCLA Medical Center, Los Angeles	(310) 794-0526	Updated Weekly
City of Los Angeles	(213) 847-9424	Updated Weekly
National Federal Job Hotline	(912) 757-3000	
Federal Aviation Administration	(310) 725-7878	0830-1130

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.

SURVIVAL SKILLS FOR CHANGE (8 hrs.)
4-5 September; Wednesday-Thursday,
0800-1600; Training Center, Point Mugu.
By: American Training Assn. (Lorna
Riley)

This workshop provides participants with the working knowledge, understanding, techniques, and tools to handle change, manage negative emotions, deal with uncertainty, understand the stages of emotional acceptance, and thrive in a chaotic environment. Participants will learn how to "think like a ball" and "roll" in any direction and be ready for anything.

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

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

27-28 August; Tuesday-Wednesday,
0800-1600; Training Center, China Lake.
Prerequisite: Ability to use a Macintosh computer.

This class is designed for people with little or no experience using the Filemaker Pro 2.1 for Macintosh program.

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

EFFECTIVE INTERACTION SKILLS (16 hrs.)

28-29 August; Wednesday-Thursday,
0800-1600; Training Center, China Lake.

This course presents workable techniques for dealing effectively with a wide variety of personality styles found in the work environment. Participants will identify problematic areas of communication and interaction and learn and practice specific skills to enhance one-on-one relationships, as well as polish team effectiveness skills. Seminar format will include role-playing, practical exercises, and guided visualization to bring participants to self-mastery in their interpersonal relationships.

To enroll, contact Pat Nogle at 939-3159 (DSN 437-3159).

RELEARNING OPTIMISM: VICTIM OR VICTOR (3 hrs.)

5 September; Thursday, 0900-1200;
Michelson Laboratory, China Lake.
12 September; Thursday 0900-1200;
Training Center, Point Mugu. By: Dr.
Terry Paulson

In an entertaining but practical way, Terry Paulson will take you on an engaging journey to relearn optimism in the face of ever-increasing personal and organization challenges. You will be able to help yourself, your family, and your colleagues turn feelings of helplessness and low morale into attitudes that promote flexible optimism, resourcefulness, and persistence in the face of adversity and constant change. Dr. Paulson will help you learn how to become a problem solver instead of a problem evader and how to turn on-the-job polarization into trust and results. In this age of cynicism, the task all of us face is to keep hope alive. This program helps

you reclaim your own hope, take charge of your own life, and move from feeling like a victim to becoming a victor. Learn how to become a flexible optimist who perceives obstacles and failures as temporary setbacks that can be overcome and how to bounce back from mistakes quickly. Explore ways to ensure you are a recyclable asset instead of a disposable worker in today's competitive economy. Learn how to move from entitlement thinking to empowered living.

To enroll or ask questions at China Lake, call Lori Ryser at 939-2686 (DSN 437-2686).

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

ECM ENVIRONMENTS (32 hrs.)

9-12 September; Monday-Thursday,
Training Center, Bldg. 366, Room
101A/B, Point Mugu. By: Evolving
Technology Institute (Stan Hall)

This electronic countermeasures (ECM) course is aimed at engineers and other personnel requiring a greater in-depth understanding of the ECM systems for the disruption of hostile air defense threat radars. The specific objective of the course is to expand the student's understanding of the application of active electronic warfare (EW) tactics as the means to prevent or reduce the enemy's effective use of the electromagnetic spectrum. The specific learning objectives of the course are to (1) expand on basic techniques and present advanced EW concept; (2) develop skills in analyzing and applying methods of EMC techniques and understanding methods by which countermeasures effectiveness is effectively estimated; and (3) demonstrate the use of personal computers as an effective analysis tool. This course describes the attributes of modern radar systems and the means for the selection, generation, and transmission of the appropriate jamming waveform. The radar segment of the course begins by categorizing the radar types and outlining the radar waveforms that can be analyzed, in an unclassified manner, to provide type classification and identification, passive location, and operating mode as the key to threat intention. Search and acquisition radars, track radars, and missile radars are considered. While major emphasis is given to the countermeasure techniques and waveform generation, consideration is also given to passive EW issues including probability of intercept, direction finding, and target location estimating methods. Additionally, the role of reduced radar observability for platform survivability is considered. Quantitative examples are present to both illustrate ECM concepts and show the added efficiency now available by the use of computer-aided analysis and simulations.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Mary Glasmann, Code 733000E. For further information, call 989-3982 (DSN 351-3982).

CAREER TRANSITION AND RESOURCE CENTERS

The Career Transition and Resource Center (CTRC) at Point Mugu has recently reopened, and business is brisk. The Center is located in Building 366 and is open from 0700 to 1700. Besides learning resources such as software tutorials, video/audio tapes, and books, the CTCRC houses the latest in job search and career transition information including SF-171/OF 612/Federal Resume software and a state-of-the-art federal job information bulletin boards. Visit the Center soon and take advantage of the many career-planning tools it has to offer.

A similar CTCRC is located in the Training Center at China Lake and is a duplicate of the CTCRC at Point Mugu. For additional information on career transition resources at China Lake, call Dorothy Wiederhold at 939-2359 or at Point Mugu, Mary Glasmann at 989-3982.

CSUN FALL REGISTRATION 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). CSUN advisers will be available to counsel current and prospective students in electrical and mechanical engineering. The schedule of the courses being offered in the fall, along with course descriptions, may be obtained in Room 105 of the Training Center between 0830-1130 and 1230-1600, Monday through Thursday. Classes for the semester begin 26 August and end 13 December. Book order forms will be available at registration. Employees taking one of the courses must sign a statement at the time of registration, promising to reimburse the Government if a satisfactory grade (i.e., "C" or better) is not obtained.

For information on the program, contact Cecil Webb at 939-0878.

CSUB FALL COURSES

The following courses are being offered at China Lake this fall for the California State University, Bakersfield (CSUB) bachelor's degree program in business administration and master's degree program in administration. To obtain course descriptions, tuition support/cost information, and registration forms for these courses, come to Room 105 of the Training Center between 0830 and 1130 and 1230 and 1500. DOD civil service employees should state the following on the top of their registration form: DOD civil service. Employees taking a course for which the Government pays the tuition must sign a statement at the time of registration promising to reimburse the Government if a satisfactory grade (i.e., "C or better") is not obtained. Each course is five quarter units.

Core Courses

TBA370: Legal Environment of Domestic and International Business
9 September-25 November, Mondays, 1610-2110 (note change in day and dates)

ADM570: R&D Management: Technological Implications for Society
11 September-13 November, Wednesdays, 1610-2110

Elective Course

PSYCH577: Special Topic: Dynamics of Change: Individuals, Groups & Organizations
3 September-19 November, Tuesdays, 1610-2110

For information on these programs, contact Cecil Webb at 939-0878.

LAN TROUBLESHOOTING (32 hrs.)

9-12 September; Monday-Thursday,
0800-1600; Training Center, Computer
Room 113 (IBM), China Lake. By:
American Institute

This course features today's latest troubleshooting tools and will help you understand the common hardware problems as you install a live LAN in class; isolate

potential network problems by establishing a systematic troubleshooting routing; develop proven procedures for making moves, adds, and changes without bringing down your network; and implement a proactive maintenance program to help eliminate downtime. Topics include LAN Technology Audit, Demystifying the OSI Model in Token Ring, and Ethernet

Implementations, Knowing Your Media Options, Exploiting the Power of Protocol Analyzers, Employing Bridges and Routers To Enhance Network Performance, More Crucial Hardware Issues, Optimal Network Management, and Practical Troubleshooting Methodologies. This course will provide lectures, lab sessions, and lab demonstrations.

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

BASIC SUPERVISION (40 hrs.)

9-13 September; Monday-Friday, 0800-1600; Training Center, China Lake. By: Dr. Teri Mahaney

Students will learn the basics of effective supervision and how to accomplish more with and through people. Learn your own leadership, motivation, and communication styles and how they affect your supervisory style. Practice delegating, drafting performance appraisals, and giving feedback—both positive and negative. Identify your change profile and your appropriate time management system. Develop usable skills in everyday working and living.

To enroll or ask questions, call Lori Ryser at 939-2686 (DSN 437-2686).

INTEGRATED LOGISTICS SUPPORT (4 hrs.)

10 September; Tuesday, 0800-1200; Bldg. 366, Room 104A, Point Mugu.

12 September; Thursday, 0730-1130; Training Center, China Lake.

By: Al Bucharelli

Note: This is a required course for SEDP enrollees.

Emphasis will be placed on what program managers need to know about integrated logistics support. Students will be provided with an overview of logistics support analysis (LSA) and other related logistics documentation. This course will include discussion of the ILS concepts and objectives of a program related to operational/supportability. Approaches that program managers can take to apply the ILS/LSA requirements to an acquisition program and tailoring of these requirements to meet program complexity will be covered. Also included will be an explanation of the relationship between and ILS/LSA and other associated and acquisition discipline, and a brief synopsis of CALS as it relates to ILS.

To enroll at Point Mugu, submit an On-Board Training Request (NAWCWPNS 12410/2) to Mary Glasmann, Code 733000E. For further information, call (805) 989-3982 (DSN 351-3982).

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).

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

11-12 September; Wednesday-Thursday, 0800-1600; Training Center, China Lake.

Prerequisite: Ability to use a Macintosh computer.

This class is designed for people with little or no experience using the Filemaker Pro 2.1 for Macintosh program.

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

DIGITAL CIRCUITRY SYSTEMS (32 hrs.)

16-19 September; Monday-Friday, 0800-1600; Location, Bldg. 366, Room 104 Point Mugu. By: Evolving Technology Institute, David D. Lynch, Jr.

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

Prerequisites: Completion of a basic course in digital electronics or the equivalent work experience.

Troubleshooting modern naval electronic equipment often appears to be a highly complex task. This course lays the foundation for technicians to first understand the basics of digital systems; how to approach and accurately troubleshoot any digital electronic systems, from the simplest to the most complex. The procedures developed in the course will not only correct system defects, but the methodical approach developed will save time and cost in electronic maintenance. Topics include, but are not limited to, introduction to digital techniques, review of troubleshooting and repair tools, sequential logic circuits, input/output circuits, and system-level analysis and troubleshooting, with lab/workshop sessions in between each topic. Students will learn to isolate and replace defective components and verify system operation.

To enroll submit an On-Board Training Request (NAWCWPNS 12410/2) to Mary Glasmann, Code 733000E. For further information, call (805) 989-3982 (DSN 351-3982).

Ada 95 (24 hrs.)

16-18 September; Monday-Wednesday, 0800-1600; Training Center (PC Lab), China Lake. By: Fastrak Training, Inc.

Prerequisites: Experience in developing programs in Ada, or previous training in the introductory and advanced topics in Ada 83.

Intended Audience: Software designers/developer experienced with Ada 83 who want to take advantage of the enhanced software engineering features available in Ada 95.

Experienced Ada developers will gain a solid foundation in the Ada 95 language features that support object-oriented programming, shared data access, task synchronization, and hierarchical library unit development. This hands-on course provides experienced Ada 83 programmers with a practical look at the unique challenges of programming in Ada 95. Topics will include Introduction, An Overview of Ada 95, Ada 83 to Ada 95: Upward Compatibility, Object-Oriented Programming, Protected Types, Task Changes, Hierarchical Library Units, Changes to Access Types, Changes to Generics, Miscellaneous Changes in Language, and Ada 95 Annexes.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Lily Horton, Code 733000E. For further information, call (805) 989-3987 (DSN 351-3987).

RETIREMENT PLANNING FOR YOUNGER EMPLOYEES (8 hrs.)

18 September; Wednesday, 0800-1630; Training Center, Room 100, Point Mugu. By: Labor/Employee Relations Team, Code 731000E.

This seminar consists of several lectures that discuss the facts affecting

CSUC COMPUTER SCIENCE PROGRAM

The following courses are being offered at China Lake for the fall in the California State University, Chico (CSUC), Computer Science Program (bachelor's and master's degrees). Course descriptions and book order forms are available in Room 105 of the Training Center. To enroll, call Cecil at 939-0878 to make an appointment to complete the registration forms. Deadline for enrolling is 10 calendar days before the starting date of the class. Classes for the semester begin 27 August and end 19 December. With the exception of CSCI151, the courses are held Tuesday and Thursday at the Training Center and are received via satellite. CSCI151 is held on Monday and Wednesday at the Training Center and is on videotape. Employees taking one of the courses below, must sign a statement at the time of registration, promising to reimburse the government if a satisfactory grade (i.e., "C" or better) is not obtained.

CSCI151:	Algorithms & Data Structures; 1130-1245; Lab1700-1800, Tuesday
CSCI372:	Operating System Theory; 0800-0915
CSCI374:	Distributed Database Management Systems; 0930-1045
CSCI233:	User Interface Design & Implementation; 1100-1215
CSCI280:	Digital Logic Design Theory; 1230-1345
CSCI256:	Theory of Computing; 1400-1515
CSCI350:	Compiler Theory; 1530-1645

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

ELECTRONIC WARFARE CLASS OFFERED AT CHINA LAKE

SENSITIVITY ANALYSIS FOR ELECTRONIC WARFARE (EW) RECEIVERS: A PRACTICAL APPROACH (4 hrs.)

18 September; Wednesday, 1300-1700; Training Center, China Lake. By: Richard Smith Hughes, Distinguished Fellow, NAWC.

Description: Virtually all electronic warfare (EW) and antiradiation missile (ARM) receivers require some form of signal thresholding to signal the start of signal processing. This short class is intended as a starting point for the beginner or as a review for those who have been away from the subject for awhile. The class starts with a review of selected noise topics, moves to signal detectors (square law and linear), tangential signal sensitivity (TSS), and finally to signal thresholding sensitivity. Both the gain limited (noise dominated by the postdetection circuitry) and noise limited (noise dominated by the receiver) cases will be projected.

Many examples are given to verify the accuracy of the theory presented. The mathematics is kept to a minimum, so if the mathematics of statistical signal detection is your thing, this class probably isn't for you. However, if you are looking for a practical starting point, this class may well be worth the several hours invested. Copies of all viewgraphs will be handed out, together with the report "Sensitivity Analysis for Electronic Warfare (EW) Receivers: A Practical Approach."

Note: Class size is limited to the first 25 people.

To enroll contact Lori McGauley at 939-2545.

OFFICE OF CIVILIAN PERSONNEL MANAGEMENT (OCPM) WESTERN REGION

The following courses are available to all NAWCWPNNS employees. For more information, call the San Diego OCPM staff at (619) 532-3880, ext. 430 (DSN 522-3880, ext. 430) or FAX (619) 532-3886.

San Diego, CA

17-18 September	Employee Development for Supervisors
17-19 September	Introduction to Labor Relations
23-26 September	Civilian Personnel Management Field Institute (CPMFI)

FY97 OVERVIEW—AIRCRAFT DESIGN AND DEVELOPMENT COURSE

Date: 21 October-1 November

Location: North Virginia Regional Center, UVA/VP1
2990 Telestar Court
Falls Church, VA

Course Description: This course provides the student with a basis for increased understanding of the many technical disciplines involved in naval aviation's systems and their interactions and integration in achieving effective fleet systems.

Tuition: None

Eligibility: GS-13 and above/LCDR and above

Deadline: Fax completed DD Form 1556 to (703) 604-3995 by 1 October.

For further application information, contact Ms. B. Copey at (703) 604-3359, ext. 7267 or Mrs. J. Garner at (703) 604-3720, ext. 5811.

retirement, such as those relating to Civil Service Retirement Systems (CSRS) and Federal Employees Retirement System (FERS), Thrift Saving Plan, health insurance, life insurance, Social Security, income tax and financial planning, estates, trusts, and wills. This course includes pertinent topics from the Pre-Retirement Seminar with emphasis on what to look for in planning for your retirement. This course is recommended for employees beyond 2 years of employment and those within more than 5 years of retirement.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Mary Glasmann, Code 733000E. For further information, call (805) 989-3982 (DSN 351-3982).

NAVY SYSTEMS ACQUISITION (32 hrs.)

23-26 September; Monday-Thursday, 0800-1600; Training Center, China Lake. By: Systems Management and Development Corporation (Bruce Shelton)

Note: This is a required course for SEDP enrollees.

This course was designed to provide the participant with a comprehensive understanding of how the Department of the Navy (DON) conducts systems acquisition. The course introduces the participant to the system acquisition environment in the federal government, the 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 ways that the DON is organized and conducts systems acquisition. Case studies allow the participant 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 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).

PERSONAL SOFTWARE PROCESS (112 hrs.)

7-11, 16, 23 October; 18-22 November; 4, 11 December; 0800-1700; Training Center, Room 100, Point Mugu. By: Jeff Schwalb, Code 52C000D

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

Cost: Tuition fee is \$150 and includes the cost of the textbook and the materials that will be provided throughout both the introductory and advanced portions of the class. You will need to include a job order number on the training request to cover this fee.

The current practice of software engineering is more of a craft than a structured engineering discipline. This course will provide a step-by-step framework that demonstrates the methods of disciplined

SAFETY TRAINING AT POINT MUGU

Point Mugu is offering the following Safety Training courses. All classes will be held at Bldg. 340, Safety Office. To enroll, call 989-7867.

Date	Course Title	Hours
10 September	Safety, New Employee Orientation	0830-0930
11 September	Crane and Rigging Safety	0800-1100
11 September	Material Handling and Forklift	1300-1500
19 September	I. H. Safety	0800-1000
25 September	General Safety (Eye, Hand, and Foot Safety)	0800-1000
25 September	General Safety (Ladder, Powertools, Welding Safety)	1300-1500
26 September	Hazardous Communication Training	0900-1000
3 October	Earthquake Safety	0800-0900 0900-1000
3 October	Hazardous Communication Training	1300-1500
8 October	Safety, New Employee Orientation	0830-0930
9 October	Lockout/Tagout	0800-1000 1300-1500
17 October	Office Safety and Ergonomics	0800-1000 1300-1500
23 October	Back Safety	0800-1000 1300-1500
5 November	Safety, New Employee Orientation	0830-0930
6 November	Hazardous Communication Training	0900-1000

NAVAL AVIATION EXECUTIVE INSTITUTE (NAEI) FY97 SEMINARS

NAEI courses are designed for GM-13/Lieutenant Commanders (or equivalent) and above assigned to the Naval Air Systems Command. All Senior Executive Management Development Program (SEMDFP) participants are required to attend certain classes and have priority for available billets. Program costs are funded by NAEI. Travel and per-diem expenses of nominees are funded by their organizations. If the course is residential, lodging and meal costs are provided by NAEI. Nominations must be submitted on an NAEI form, which may be obtained from Lori Ryser, Program Coordinator, Code 733000D, China Lake, (619) 939-2686 (DSN 437-2686). Note: A DD-1556 is NOT required. Nominations must be submitted to China Lake by the deadline dates listed below.

COURSE TITLE	COURSE DATES	DEADLINE DATE TO 733000D
Capitol Hill Workshop	2-5 December 96 3-6 March 97 9-12 June 97	19 September 96 12 December 96 24 March 97
Contemporary Management Issues and Practices	10-21 February 97 18-29 August 97	22 November 96 29 May 97
The Washington Arena	24-28 February 97 23-27 June 97	6 December 96 3 April 97
The Politics of National Security	9-14 February 97 24-29 August 97	22 November 96 6 June 97

software engineering. Participants learn by using their own data how effective the methods can be for them and their organizations. The course covers the personal software process (PSP) and quality management methods described in "A Discipline for Software Engineering" by Watts Humphrey. The PSP is a scaled-down version of industrial software processes that are based on quality management principles and is designed to be used by an individual software engineer.

Deadline: 23 September
To enroll, submit an On-Board Training

Request (NAWCWPNS 12410/2) to Mary Glasmann, Code 733000E. For further information on course content and outline, call Jeff Schwalb at (619) 939-6226 (DSN 437-6226).

ADMINISTRATIVE POLICIES AND PROCEDURES FOR NEW SUPERVISORS (32 hrs.)

17, 18, 24, 25 September; Tuesday and Wednesday, 0800-1600; Training Center, Room 101, Point Mugu.

This is a mandatory course for new supervisors, which covers various topics

dealing with human resources.

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).