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THE ROCKETEER

THURSDAY, JUNE 27, 1996

NAVAL AIR WEAPONS STATION, CHINA LAKE

VOL. 52, No. 13

Use the Internet? Read this. 8

ML, Thompson, McLean awards 12

Harrier crash investigation expected to go smoothly

Maj. James Derdall's aircraft was very well instrumented for test of a ground proximity warning system

By Barry McDonald
Editor

Investigators of last week's crash of an AV-8B Harrier assigned to Weapons Test Squadron China Lake hope to complete their investigation prior to the 30-day deadline for filing the mishap investigation report (MIR), according to the lead investigator of the aircraft mishap board, Cdr. Marti Sarigul-Klijn, of Test Wing Pacific from Point Mugu.

Marine Maj. James G. Derdall, 34, an AV-8B project pilot, suffered only minor injuries after ejecting from his disabled Harrier last Monday at about 1:50 p.m. Debris from the Harrier was limited to a small area on Baker Range roughly a half mile inside the Station's western boundary. A small fire resulted from the impact, but no structures were threatened, and the fire was contained at the crash site by China Lake firefighters.

There was no ordinance aboard the

Harrier, which was involved in a test of a new ground proximity warning system. It was being monitored with range cameras and was itself sending video and telemetry data to the Data Acquisition Verification and Emanation System (DAVES) when it developed problems. This data will contribute to the speed of the investigation.

"This is probably one of the best instrumented accidents in the history of naval aviation," said Sarigul-Klijn. "And it will be extensively studied because of all the data that is available."

Joining the commander on the mishap

board are Dave Ganger, Test Wing Pacific and WTSCS safety officer; Marine Maj. Gary Munroe, AV-8B NATOPS representative from Marine Aviation Detachment, China Lake; Lt. Dan Crocker, aviation safety officer from WTSCS; and Flight Surgeon Lt. John Hall, China Lake Branch Medical Clinic. Observing, but not part of the panel, are Brian Craddock of the Naval Aviation Systems Command and William Gregory from the Naval Safety Center, Norfolk, Va.

While the MIR will be completed within a couple of weeks, Sarigul-Klijn

said DoD requirements say that results will never be made public. "The purpose of a mishap board's investigation is to determine what happened, so that we can make process changes to prevent the same type of accident from ever happening again," he said. "We don't want to place blame. The people we talk to know the information they give us will be held in confidence, so they are less likely to withhold anything."

"I feel strongly that the public has a right to know how we conduct our business and spend the taxpayers money, but we have to have a balance between the

public's right to know and in determining the causes of accidents. We're not trying to hide anything, we're just trying to get at the truth so that we can prevent further mishaps."

A separate Judge Advocate General (JAG) investigation is being conducted by LCdr. Dick Manski, WTSCS, and the report from that investigation is available through the Freedom of Information Act. Manski will interview individuals after reading them their rights, and they will be fully aware that their testimony may be made public. Since only one person conducts the JAG investigation, it will take considerably longer before it is finished and



Photo by Tim Tyson, S&TD

TAIL of the downed AV-8B was about the only indication, last Tuesday morning, that it was an aircraft that was destroyed at the relatively small charred patch of desert on Baker Range.

Dual changes of command set for July 25 on Admin Lawn

Two commands will change hands on Thursday, July 25, when RAdm. Dana B. McKinney is relieved by RAdm. (select) Jack V. Chenevey as commander, Naval Air Warfare Center Weapons Division, and Capt. Charles A. Stevenson, commanding officer of the Naval Air Weapons Station, is relieved by Capt. Stanley W. Douglass at a traditional Change of Command ceremony.

Beginning at 9 a.m. on the Administration Building front lawn, VAdm. John A. Lockard, commander Naval Air Systems Command, will be the guest speaker.

Uniform for all military personnel is summer white. All NAWCWPNS and NAWS personnel are invited to attend the ceremony.

McKinney will report to NAVAIR in Washington, D.C., as head of the Engineering and Research Competency.

Chenevey currently heads NAVAIR's Conventional Strike Program Office. He served at China Lake in 1992-93 as deputy laboratory director for NAWCWPNS and did a three-year stint at China Lake from 1977-1980 as a project pilot for the HARM Missile Program. An

early assignment was as a member of the former Air Test and Evaluation Squadron Five. It will be his first flag command.

Stevenson is being reassigned, under regular rotation, to head the Naval Reserve Officers Training Corp unit in Memphis, Tenn., where he will oversee ROTC programs at the universities of Mississippi and Memphis.

Douglass will come to China Lake from the Military Satellite Communications Joint Program Office at Los Angeles Air Force Base.

Weather

	June 12- 18			
	High	Low	Gusts	Humidity
Wed	99	54	11	30-14%
Thurs	100	61	13	39-14%
Fri	101	58	10	—
Sat	92	61	10	—
Sun	98	—	19	—
Mon	99	66	18	31-13%
Tues	100	54	16	40-13%
	June 19- 25			
Wed	101	61	18	41-13%
Thurs	98	69	15	28-14%
Fri	93	55	18	30-14%
Sat	96	58	06	—
Sun	99	58	11	—
Mon	92	70	17	30-15%
Tues	86	64	13	39-22%

The Commanding Officer's Desktop

By Capt. Chuck Stevenson
NAWS Commanding Officer



Question
Concerning the decision to no longer honor special access "B" Mountain recreation passes — I am asking if this decision could be reconsidered. If, in six months or a years period the situation with the rash of thefts in the outer range area hasn't changed, wouldn't that prove that the people who have had B Mountain passes weren't responsible? I personally feel that people who have B Mountain passes are afraid to go anywhere except B Mountain. For the most part, they are unfamiliar with the ranges and the policies concerning checking people's activities while there. I have been told that a lot of range equipment is "lost" and logged as stolen, although it is later discovered as just misplaced when it is found. In my opinion, if thefts are happening, it is most likely government personnel who are responsible.

In any event, if the decision is not revocable, could other solutions be found? One possibility is for escorted passes, where a person with a B Mountain pass would have to be escorted by a person with north range access. Some local exercise-oriented club might be willing to match up people for exercise purposes. This is not a very good solution, but at least it gives a few more people a chance to keep fit. Or could a request for future funds be requested to extend the main site fence up B Mountain? The fence could stop one switchback below the top in order to keep personnel from getting near the equipment at the top. There may be other solutions than to just cut access off.

B Mountain is the best outdoor exercise area in the Ridgecrest area and the only one within a reasonable distance where people can get a good daily workout to keep them fit and healthy. The Navy generally supports fitness and provides exercise areas on most naval centers. It would be wonderful if there was a way for B Mountain to be accessible

Please see **CO DESKTOP**, Page 15

Pages From The Past

June 27 & July 3, 1986

Capt. John W. Patterson assumes command of Center. . . Horace D. Stanton wins Technical Director's Award. . . Rex L. Smith receives 45-year pin and Joseph Mattis receives 40-year pin. . . New environmental chamber to replace old altitude chamber. . . Capt. Ken A. Dickerson retires from Navy after 30 years of service. . . Secretary of Defense Caspar W. Weinberger ordered aggressive anti-smoking campaign for military.

June 25 & July 2, 1976

Dr. Charles Lauritsen's distinguished career recalled during dedication of Lauritsen Lab. . . The Honorable Suh Jyong Chul, minister of national defense for the Republic of Korea, visits NWC. . . Explosives Branch to study explosion hazards connected with transportation of liquefied natural gas. . . Bill Arnold and Wilt Wyman Employees in the Spotlight. . . VX-5 starts contest for decorating newly-acquired C-1 aircraft in colors and design appropriate for the bicentennial theme.

June 24 & July 1, 1966

Dr. William B. McLean, NOTS technical director, tries out his glass bubble, a concept for a protective and life-supporting enclosure for a submarine, in Station pool. . . Rocketeer wins second place in Armed Forces Writers League. . . O. E. Miller wins new Mustang at Navy Relief Fund carnival. . . LCDr. Ernest Mares and AN Rudolph Chavez receive Navy Commendation Medals. . . Von's Supermarket to open in Bennington Plaza. . . Chapel carillon bells will join in national "Bells of Peace" program observing freedom July 4.

June 22 & 29, 1956

The Bureau of Aeronautics announced procurement plans for purchase of 44,000 AERO 7D rocket launcher packages which were recently developed by NOTS. . . Key civilians at China Lake may get housing under new law signed recently by President Eisenhower. . . Chicago Tribune published article entitled "Physicists with a Fiddler" by John H. Wilson, head editorial branch, in publishing division of TID.

COMMUNITY EVENTS

A low-cost immunization clinic is scheduled at the Health Department, 250 W. Ridgecrest Blvd. July 1 from 9:30 to 11 a.m. and 1 to 2 p.m. Call 375-5157 for an appointment.

####

Low-cost pregnancy screening services are scheduled at the Health Department, 250 W. Ridgecrest Blvd. July 2, 9 and 15 by appointment only from 8 to 10 a.m. There is a \$5 charge for each test and Medi-Cal is accepted at the Ridgecrest office. Call 375-5157 for an appointment.

####

The Community Light Opera and Theatre Association is pleased to announce its next production, "Revenge of the Space Pandas," a David Mamet play for children of all ages. It opens at the Burroughs High School Multi-Purpose Room on July 5 with additional performances on July 6, 12, 13, and 14. Curtain time for all performances is 1:30 p.m. and tickets are \$5 for adults, including senior citizens, and \$3 for children 12 years of age and under. Tickets are available at the following locations: Ridgecrest Cleaners, Richer's Music, the

Maturango Museum and the Village Bookshelf.

####

A Petroglyph escort training class will be held Friday, July 19, from 2 to 4 p.m. at the NAWS Training Center. Registration is required. Call Peggy Shoaf at 939-1683 for more information.

####

Hours for visits of Social Security representatives in Ridgecrest have changed. New hours are 9:30 a.m. to noon. Visits are the second and fourth Thursdays each month at Kerr-McGee Center, 100 W. California Ave.

To apply for retirement, survivor or disability benefits call (800) 772-1213 first. Applications are not taken when representatives visit Ridgecrest. The national toll-free number is available 7 a.m. to 7 p.m. weekdays.

####

The Community Connection for Child Care in Ridgecrest is now offering monthly Child Passenger Safety workshops.

For registration information, please call Community Connection for Child Care at 375-3234.

Softball team China Lake Tremors shake it up



Photo by Kathi Ramont

WINNERS—Coach Harry Burke and Capt. Chuck Stevenson hold onto the 4th place (out of 16 teams) trophy that the China Lake Tremors varsity softball team won recently in a tournament in Las Vegas. Team members include (left to right) Raymond McGoldrick, Tim Pittman (most valuable player), Randy Hendricks, Edgar Garcia, James Buron, Bob Nastali, Jamie Hiner, Cris Holton, Larry Montoya, Mark Vandeloo, Chris Haynes and Vernon Gaus. Not pictured: Mark Tatinen and Danny Danzel (also a most valuable player).

**If you're in a building that catches on fire,
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It's your fire-safe response.**

China Lake Calendar

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

Thursday, June 27
•Fellows Award ceremony, Michelson Lab, 1000D, 1 p.m.

Friday, June 28
•Grand reopening of the "old" commissary, now part of the NEX, 9 a.m., ribbon cutting

Thursday, July 4
•MWR Independence Day celebration at Community Pool and Lanai. Call 939-8660 for information

Tuesday, July 16
•Ice Cream Social at All Faith Chapel 6-8 p.m.

Thursday, July 25
•NAWCWPNS/NAWS joint Change of Command ceremony, Administration Building lawn, 9 a.m.

THE ROCKETEER

RAdm. Dana B. McKinney Capt. Chuck Stevenson
NAWCWPNS Commander NAWSCL Commanding Officer

Steven F. Boster
Public Affairs Officer

Barry McDonald Kathi Ramont
Editor Staff Writer

THE ROCKETEER is published by High Desert Newspapers, Inc., a private firm in no way connected with the DoD or U.S. Navy, under exclusive written contract with the Naval Air Weapons Station China Lake. This commercial enterprise newspaper is an authorized publication for members of the military services. Contents of THE ROCKETEER are not necessarily the official view of, or endorsed by, the U.S. Government, the Department of Defense or High Desert Newspapers, Inc. The appearance of advertising in this publication, including inserts and supplements, does not constitute endorsement by the Department of Defense or of the products or services advertised. Everything advertised in this publication shall be made available for purchase, use, or patronage without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation or any other non-merit factor of the purchaser, users or patron. A confirmed violation or rejection of this policy of equal opportunities by an advertiser will result in the refusal to print advertising.

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.

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

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 barry.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.

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.

Vacation Bible School starts Aug. 12

Vacation Bible School will be held at the All Faith Protestant Chapel Aug. 12-16 from 8:30 to 11:15 a.m. on the church lawn. This year's theme is "The Jesus Expedition." Registration begins July 21 after the worship services, or at the chapel office during the week. For more information, please call Eleanor at 939-2873.

Cool off at ice cream social July 16

An ice cream social will be held July 16 from 6 to 8 p.m. at the All Faith Chapel. Tickets are \$3.50 for adults and \$1.50 for children 11 years old and under. Activity tickets are three for \$1. Included activities will be the duck pond, ring toss, tic-tac toss, bowling, tattoos, sponge throw, dart throwing and the dunk tank.

Noise complaints should be channeled through PAO

Received a noise complaint recently? Sometimes calls come in to various offices at China Lake requesting that "something be done" about noisy airplanes. If a call comes into your office like this, please refer the caller to the Public Affairs Office at 939-3511.

One of the reasons this is important is not just to answer the problems, but also to record it for future reference. Too often calls are received and handled informally and not reported or otherwise recorded.

If the situation is elevated, or repeated in the future, there is no historical reference to the past reports. This is especially important when Congressional inquiries are received and the turn-around for response is extremely short. It is not unusual to receive these complaints weeks, months or even a year after the incident. Without a central record-keeping of who called, about what, and how it was handled, it is impossible to respond appropriately.

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SERVICES/SCHOOLS.....	15
RENTALS.....	20
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AUTOMOTIVE.....	35
MISC. FOR SALE.....	40
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Change of command

Capt. Stanley Douglass will soon take over NAWS commanding officer position from Stevenson

By Kathi Ramont
Staff Writer

Arriving soon at NAWS, Capt. Stanley Wayne Douglass will be taking over commanding officer's duties from Capt. Chuck Stevenson. A formal change of command ceremony will take place on the Administration Building front lawn July 25 at 9 a.m.

Currently undergoing command training in Washington, D. C., Douglass most recently has been assigned to the Military Satellite Communications Joint Program office at the Los Angeles Air Force Base.

Douglass grew up in the Midwest, graduating from Hinsdale Central High School in Illinois. He graduated from the University of Missouri-Columbia and its NROTC Program in June 1974 with a bachelor of science in business management and economics.

Upon commissioning, he reported to Naval Air Station Pensacola for flight training with Training Squadrons 10 and 86. He earned his wings in July 1975 and joined the S-3 Viking Multi-mission community at NAS North Island. He served his first sea duty tour with VS33, completing a Westpac deployment aboard *USS Kitty Hawk* and a Mediterranean cruise aboard *USS America*.

His next assignment, in July 1979, was with the USN-Canadian Personnel Exchange Program at Canadian Forces Base Greenwood, Nova Scotia, Canada.

Szpynda and Ackerman receive achievement medals at WTS quarters

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

Receiving an NMCAM (Gold Star in lieu of second award) from the Capt. T. E. Magee, CO of *USS Kitty Hawk*, was AMS1 Miroslav Szpynda. He served as the Non-Destructive Inspection Work Center supervisor on the *Kitty Hawk* from February 1992 to March 1996. According to his citation, Szpynda coordinated expeditious ultrasonic inspection of J-52 engines and F/A-18 aircraft airframes providing optimum aircraft readiness for Carrier Air Wing



Szpynda

Capt. Douglass served as flight test officer in the Maritime Test and Evaluation Squadron, performing development and operational testing on the CP140 Aurora Maritime Patrol aircraft.

He was next assigned to Career Group Three in Alameda as staff anti-submarine warfare officer and tactical action officer. He completed another two Westpac and Indian Ocean deployments on *Kitty Hawk* and *USS Enterprise*. He returned to NAS North Island as a flight instructor at VS41 from 1983 to 1986. He transferred next to the newly re-established VS35 completing his department head tour serving as administrative, training, operations and maintenance officers.

Following VS35's disestablishment in 1988, he was assigned for a short period as assistant OIC of the sea-based Weapons and Tactics School chartering the school's establishment under the functional wing commander.

He served next as flag aide to NAVAIR's commander. Selected for command, he once again returned to North Island as a "Red Griffin" in VS38. He served as executive officer and commanding officer of VS38 from February 1990 until October 1992, completing two more deployments aboard *USS Ranger*.

During combat mission in support of Desert Storm, Douglass flew 62 missions in 43 days against the Iraq military. During this tour the squadron garnered a number of distinguished awards, includ-

15 flight operations. He also was responsible for renovating 27 spaces with ship's force personnel while avoiding contracting out, which saved the Navy \$400,000. "Your superb support for the embarked air wing directly contributed to the Aviation Intermediate Maintenance Department receiving the Black "E" Award for 1994," added Magee.

ADAN(NAC) Gerard M. Ackerman also received an NMCAM at quarters. According to Cdr. Randy Sweeney, CO of WTS, Ackerman served WTS as a helicopter maintenance technician from February 1995 to April 1996. Ackerman assisted in the completion of both PPC-82 and AFC-183 and the replacement of



Ackerman

MILITARY NEWS



Capt. Stanley W. Douglass

and as deputy program director at the MilSat office involving acquisition of communications satellites for the Defense Department.

His decorations include two Meritorious Service Medals, two Air Medals, three Navy Commendation Medals (including Combat "V") and various unit commendation, campaign and other personal medals.

He is married to LCdr. Kathy Baran, who is currently executive officer for the Navy Recruiting District in San Diego. They have two sons, Benjamin and Andrew.

Receiving the designation of an enlisted aviation warfare specialist, frocked to second class petty officer and receiving a Good Conduct Award (second award) was AO2 Delores A. Appleberry.

Richard J. Gough (second award).

WTS Plane Captain of the Month for April is AMHAN Mickey C. Smith.

Receiving the designation of an enlisted aviation warfare specialist, frocked to second class petty officer and receiving a Good Conduct Award (second award) was AO2 Delores A. Appleberry.

WTS Recognition
AT3 Sabrina A. Smith, AZ3 Denise J. Williamson, AO3 Lynda A. Villafarfa, AZ3 Frederick L. Webster, AMH3 Mickey C. Smith, PR3 Michele L. Neal and AO3 Stace D. Howorka were all frocked to third class petty officer.

Frocked to second class petty officer were AO2 Albert R. Jodoin, AME2 Jon P. Saxon, AO2 Benton H. Scott Jr., AO2 William A. Barnett, PR2 Allen W. Bechtol, AMS2 Randall S. Biles and PR2 Isaac J. Miller.

Good Conduct Awards were presented to AZ1(AW) Marlon G. Wren (fourth award), AK2 Elwood W. Cason (fifth award), AMS2 Michael E. Kreshel (fourth award), AE2 Jesus Cortez (second award) and AT2

NAWS Recognition (June 10)

A letter of commendation was presented to then-PR3 Michael M. Pierce from RAdm. M. Haskins, commander, Patrol Wings, Atlantic. AC3 Robert L. Gore II received a Good Conduct Award.

Frocked to Petty Officer First Class were AK1 Louis V. Sherwood, BU1 Dan C. Rutledge and AC1 Dwight C. Ball. Frocked to Petty Officer Second Class were AC2 Chad D. Schieck, ET2 Casey B. Heard, AK2 Gregory P. Laube, ABH2 Brett A. Wilson and PR2 Michael M. Pierce.

Call to colors — respect for flag

AOI Carroll Lerner, leading petty officer at the NAWS Quarterdeck, would like to remind everyone onboard the Station that every morning at 7:55 at the Headquarters Building, and at the Marine Aviation Detachment headquarters, a call to colors is sounded. At 8 a.m. the national anthem is played while the flag is raised.

During the ceremony of hoisting — or later at the sunset lowering — the national flag, all persons present shall face the flag, stand at attention and salute.

Those in uniform shall render the military salute. Other men shall remove their hats (if wearing one), holding it at the left shoulder with the right hand over the heart. Men without hats and

women should salute by placing the right hand over the heart — holding the salute through the last note of the national anthem.

This reminder is also for those in their vehicles who are passing within the sound of the anthem. Please safely stop your vehicle and wait until the all clear has been sounded.

According to Navy regulations, the same mark of respect prescribed for the national anthem of the United States, shall be shown during the playing of a foreign national anthem.

It is Navy custom to display our national flag from 8 a.m. until sunset, regardless of weather conditions on buildings and on stationary flag staffs in the open.

Chapel Call

Our great nation



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

As we Americans look to celebrate the Fourth of July, we need to give God the glory and the thanks for letting us have this celebration in this great nation.

We have a nation the world looks up to, not only as a super power with our military might, our economic status, but also within our religious realm. When other countries in this world are fighting religious wars, our nation is a defender of religious freedom.

Our sole basis of the foundation of the United States is indeed religious freedom. Our forefathers helped to settle this nation in hopes of escaping religious prejudices in their homelands. The long-standing hope and prayer is that our current generation will keep and teach this religious freedom to the generations of Americans to come.

As we celebrate this long weekend called the Fourth of July with our families, please be constantly in prayer for

our troops who are protecting our nation and who are keeping the peace throughout this world. And lastly, pray for their families whom they leave behind while they are protecting our great nation.

A Prayer for Peace

Dear Father, whom we cannot see,
We know that Thou art near;
With longing hearts we turn to Thee,
And ask that Thou wilt set us free
From war and hate and fear.

Dear Father, King of love and peace,
We know that Thou art strong;
Make conflicts everywhere to cease,
Let mercy everywhere increase,
And kindness conquer wrong.

Dear Father, Lord of sea and land,
We know that Thou art wise;
Oh, make the nations understand
That only by Thy guiding hand
Can splendid peace arise.

FSC Happenings

Can you afford to go to work?

Many things come into play when you first consider entering the work force. Entry-level salaries sometimes don't cover all the expenses associated with going to work each day! In order to avoid unpleasant surprises when it comes time to balance your budget, you need to evaluate your situation and be aware of the possible problems.

If your objective in working is to supplement the family budget, you must look at projected work expenses in order to determine your minimum salary requirements. Some of the expenses that you need to consider:

Transportation: Include gas, oil, insurance, depreciation, bus fare, ferry fare, parking fees and any other expense related to getting to and from work.

Child Care: Compare cost and quality of service. Be sure that you are satisfied with the environment where you will leave your child each day.

Clothing: Will you have to increase your wardrobe, or will you have uniform expenses? Don't forget maintenance costs. Dry cleaning can be a depressing surprise.

Meals: Though we all plan to "brown bag," you may be tempted to relieve the stress of the workday with lunch "out" with your friends and co-workers. This can be a strain on your budget.

Miscellaneous expenses: What about the "fast food" that you bring home for dinner because you don't have time to cook (or you are too tired) and it's your turn?

If money isn't your primary motivator in going to work, you may be able to afford to work at a small loss until the experience

you are gaining merits a more substantial salary. If that's the case, just "breaking even" or possibly working at a deficit can be worthwhile for a short time. Even then, you must know at the start just what is realistic for your budget, and how long you can afford to "pay" for your working experience.

If your figures show that it will not pay you to work, but you are ready and anxious to learn and grow in the working world, investigate other options. Have you considered a "home-based" business? Or, perhaps, volunteer work to expand your skills and give you good experience toward a responsible position and a salary that would meet your budget "bottom line"? There are many ways to get started, and there is assistance available if you need guidance in your goal setting towards employment or education. Call the Family Service Center at 927-1545. We are here to help.

Testing

July 16, 1-5 p.m., DANTEs Testing. This covers CLEP (College Level Examination Program) and DSSTs (DANTEs Subject Standardized Tests). CLEP tests are usually for freshman and sophomore courses. DSSTs are comparable to the final or end-of-course exam in college or technical subjects. Testing is free to the military. Family members can use this service, but a fee of \$40 for CLEP and \$25 for DSSTs is charged. Registration is required. Call Joan at 939-0966 by close of business July 9.

All classes are held at the Family Service Center, 610 Blandly Ave., unless otherwise stated.

Sick call ended June 24, call for appointment

Active duty personnel are seen at the Branch Medical Clinic on an appointment only basis now. The previous system, known as "sick call," has been abolished. Same-day appointments are still available.

According to LCdr. Paul Connor, OIC at the BMC, an appointment system is more convenient for the patient and allows medical providers to increase their productivity. To make an appointment, please call 939-8000.

All Faith Chapel Services

Equipment for the hearing impaired and nursery are available

Protestant

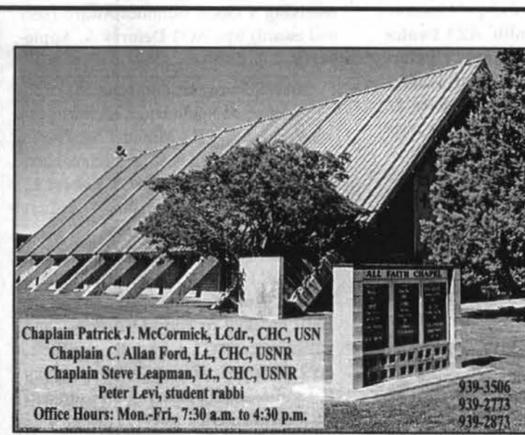
Sunday Worship Service, Main Chapel 10:30 a.m.
Sunday School, Sept. - May, 1008-10 Blandly & 1903-05 Mitscher 9:00 a.m.
Bible Study (East Wing), Sept. - June, Wednesday 11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday 6:00 a.m.
Adult Bible Study, East Wing, Thursday 7:00 p.m.
Jewish (446-3613 Messages)
Weekly Services, Friday, East Wing 7:30 p.m.
Adult Education, Oct. - June, Saturday, 1902 Dibb 10 a.m. - noon
Hebrew Classes, Oct. - June, Saturday, 1902 Dibb 2-5 p.m.
Religious School, Sept. - June, Sunday, 1902 Dibb 9 - 11 a.m.
Jewish Classes (when Rabbi is here).
Four years and up: Friday, 1902 Dibb 5 - 7 p.m.
Sunday, 1902 Dibb 9 - 11 a.m.

Roman Catholic

Sunday Mass, Main Chapel 9:00 a.m.
Daily Mass, Blessed Sacrament Chapel 11:35 a.m.
Confessions, Sundays 8:15 - 8:45 a.m.
Confessions, Weekdays By appointment
Religious Education Classes, Sept. - May, Sunday, 1002 Blandly, 1008-10 Blandly & 1903-05 Mitscher 10:30 a.m.
RCIA, St. Ann's School Library 8:15 - 9:45 p.m.

Islamic

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



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

REC BITS



MWR Management Team, NAWS, China Lake, CA

Live comics tomorrow night

Don't miss three hot comics, Friday, June 28, 8:30 p.m. at the Wreck Center. DJ follows so wear those dancing shoes. Military are free. DoD and community pay \$6.00 per person. For details call the Wreck Center at 939-8660.

Comedy Quick Clip Calendar

July 4, Community Pool Lanai, 7:00 p.m.
July 19, Community Pool Lanai, 8:30 p.m.
August 2, Wreck Center, 8:30 p.m.
August 16, Wreck Center, 8:30 p.m.

Golf Course 4th of July specials

All Day Blow-Out Sale starts at 6:00 a.m. and ends at 7:30 p.m. Everything in the Pro Shop is on Sale. Many items are marked down to cost. Enjoy lunch specials, door prizes and closest to the pin competition from 6:30 a.m. to 10:00 a.m. on hole #6. For details, call the Golf Course at 939-2990.

Youth sports clinics

Sporting excitement begins July 8 with a basketball clinic for youth ages 9-13 years. Classes run Monday through Friday from July 8-July 19. Fees: Military-\$25.00, DoD-\$30.00 and community-\$35.00. Last day to register is July 3. Clinic is in the Sports and Fitness Complex Gym area.

Action continues with a Volleyball clinic for 10-12 year olds and 13-15 year olds from July 22 through August 2. Last day to register is July 9. Fees: Military-\$25.00, DoD-\$30.00 and community-\$35.00.

Roller hockey clinic is from August 5 through August 8 for 7-9 year olds, August 12-15 for 10-12 year olds and August 19-22 for 13-15 year olds from 7:00 p.m. to 9:00 p.m. at the outdoor multipurpose rink. Sign-ups start July 1 and end July 30. Fees: Military-\$25.00, DoD-\$30.00 and Community-\$35.00.

Get your clinic registration forms at School Age Care, building, # 880. For details, call 939-2909.

For the troops

Programs for Active Duty Military.
For details, call 927-4FUN.

Jazz festival

- July 12, 13 & 14
- Mammoth Mountain
- Reservation required by 7/3
- \$75.00 per person.
- Fees include admission and transportation.
- Lodging and food not included.

Home run

- Military appreciation day at Maverick Stadium
- July 27
- \$6.00 per person
- Fee for transportation and admission.
- Leave from CBQ-4:15 p.m.
- Open to Spouses too!

Vegas or bust

- August 17 & 18
- Reservation required by 8/12
- \$20.00 per person
- Fees include transportation.
- Lodging and food not included.
- Spouses may take trip too!

Cool celebrations 4th of July party starts at 1:00 p.m. Community Pool & Lanai

Food: Hot Dogs, Burgers, Ice-Cream, Snacks, Mexican Cantina and beverage specials all day long. Best Deal In Town!
Music: Top 100 sounds of today. Plus some oldies but goodies.
Games: Mystery dunk tank guests, belly flop, and pool games.
Comedy Show: Family Style show on the lanai, 7:00 p.m. Bring your lawn chair and blankets.
Fireworks: Watch the Ridgecrest show from the pool around 8:45 p.m.
Admission: FREE for active duty, retired, DoD, retired DoD and their family members. Community pay \$6.00 per person. Children, 6 and under, FREE.

For details, call 939-8660 or Liz at 939-3252.



At your service

Come relax and let MWR aquatics staff pamper you with food and drinks all delivered pool-side from the Wreck Center. Menu available at pool. On Fridays, from 6:30 p.m. to 10:00 p.m. you'll enjoy a pool party. Meals grilled to perfection from 6:30 p.m. to 8:00 p.m. for a "can't be beat" price of \$5.00. DJ play the top sounds of today and the oldies but goodies of the past while you swim or eat. On Saturdays, from 11:00 a.m. to 6:00 p.m., cool off and relax with open swimming for the entire family. For details, call 939-0756.

Splash into summer

Community Pool Hours through August 25

Monday - Thursday and Flex Fridays

9:00 a.m. - 11:00 a.m., Swim Lessons
11:00 a.m. - 1:00 p.m., Lap Swim
1:00 p.m. - 5:00 p.m., Recreational Swim
5:00 - 7:00 p.m., 1/2 Recreational Swim & 1/2 Lap
7:00 p.m. - 9:00 p.m., Family Appeal Deal (Thur. Only)

Saturday, Sunday and Holiday

10:00 a.m. - 1:00 p.m., Lap Swim
1:00 p.m. - 7:00 p.m., Recreational Swim
Don't forget to "splash" your week with a nighttime pool party at Solar Pool and park area for music, dancing, food and of course a cool dip in the pool. Event is every Friday from 6:30 p.m. to 10:00 p.m. Summer feast served from 6:30 p.m. to 8:00 p.m. Bring family and friends and beat the heat. For details, call 939-0756.

Join a growing business venture

Make a difference in children's lives. Get paid for providing care in your own (military housing) home for children of military, DoD and contractors. That's not all... Set your own hours and fees too. Just in case you're not sold yet, MWR provides exceptional training opportunities. Sound too good to be true? Call Jon at 939-6683 for details.

In the swing of things

The Golf Course is really swinging and not just on the course. Visit the newly renovated patio area complete with mist cooling system, landscaping and more. Come and relax with cool beverage or treat until 8:00 p.m. each night. The patio area is also a great place to have your next part or meeting. Call Colleen at 939-3540.

Tee time

China Lake is hosting the military SouthPac '96 golf tourney from July 29 to August 2. Show your command and military pride! Be a volunteer for one of the exciting golf tournaments. Score Keepers, Escort, Marshals and more are needed. Opportunities golfing fun are endless. For details, or to volunteer, call Renee at 939-2990 or 939-0657.

Party all night

Hey teens! Teen Center is having an all night party on July 12 from 8:00 p.m. to 7:00 a.m. at the Teen Center. Reserve your spot by July 9. Activities include BBQ at Solar Park, swimming at Solar Pool, chase the puck at the outdoor rink, bowling, movies and a hot breakfast in the morning. You get all this for only \$5.00 for military and \$8.00 for DoD teens. Get your rest the day before. You're going to need it. For details, call Jenni Beck at 927-Teen.

AWARDS from Page 14

L.T.E. Thompson Memorial Award

This award was established in 1956 at what was then NOTS highest recognition for outstanding individual achievement. It pays tribute to the accomplishments of China Lake's first technical director.

Randell D. Cope

For your outstanding leadership and technical accomplishments in the advancement of weapon system fuzing technology. Your many significant contributions have resulted in the introduction of advanced Electronic Safety-Arming Device technology into several new weapon systems. Your technical leadership, recognized both nationally and internationally, has resulted in fuzing technology that is improving the quality of weapon systems produced by all of the services. You should take great pride in your contributions that reflect favorably upon the capabilities of NAWCWPNS.

Ronald W. Jones

For your outstanding leadership and accomplishments in the advancement of aircraft guns and ammunition. Your dedication and resourcefulness have been instrumental in numerous technological applications in this field to products now in the Fleet. Under your leadership, guns and ammunition efforts have gained a reputation for innovation and product quality resulting in national and international recognition for yourself and the Weapons Division.

Herbert P. Richter

For your scientific achievements and

leadership in the advancement of knowledge in the area of mechanical behavior and hazards of energetic materials and development of chemiluminescence. Your excellence is recognized both nationally and internationally through your active participation on joint-service and international committees relating to hazards of energetic materials and through your many related patents and publications.

You are the inventor of chemiluminescent "light sticks," used in both military and civilian applications. You are also recognized for your dual leadership role as head of the Combustion/Detonation Branch and leader of the Trident Program Office responsible for all Trident testing ranging from fundamental research tests to full-scale Trident motor testing.

George B. Royer

For your contributions as an outstanding systems engineer. Your leadership has encompassed both weapon and aircraft developments and has spanned the development spectrum including science and technology projects, engineering development, and test and evaluation. Under your dynamic leadership, the AV-8B WSSA has made a tremendous increase in operational performance and weapon capability. You are further recognized as a corporate "team player," looking not only to your projects, but to the good of NAWCWPNS overall. Your acumen, technical pride and tenacious managerial abilities have distinguished you as one of our "best-of-the-best" leaders.

Mark L. Schallheim

For your sustained technical accomplishments and outstanding leadership. You have directly participated in, or led, technical efforts in the full range of Navy laboratory work from science and technology research to system development and test and evaluation. Through your leadership, organizational skills, professionalism, technical integrity and motivation, NAWCWPNS has made significant advances in the EA-6B ICAP-2 WSSA. Without a doubt the Navy, and particularly the EA-6B, is more effective due to your efforts.

Dr. Lloyd H. Smith

For your sustained dedication and outstanding technical and managerial contributions to NAWCWPNS. Your creative thinking, planning and decision-making have propelled the command into a position of leadership in weapons development and acquisition. Your skillful leadership and recognized expertise have attained national recognition for innovative weapons acquisition initiatives, thereby enhancing the image of the command.

William B. McLean Award

The William B. McLean Award was established in 1968 to recognize outstanding creativity among employees in furthering the mission of China Lake, as evidenced by significant inventions. This award pays tribute to Dr. William B. McLean, technical director at China Lake from 1954 to 1967.

Dr. Donald L. Decker

In recognition of the numerous inventive solutions to a wide variety of important and difficult technical problems occurring in

research and development of optical systems and instrumentation. Your technical insight and creativity, knowledge of solid-state physics and optics, and rich experience in structural mechanics, material machining techniques and precision instrumentation and measurements, have made you a valuable resource. Your contributions to the development of the AIM-9 and other missile seekers, to high-energy laser technology, and to the design and development of laboratory and test range instrumentation and measurement techniques are highly regarded and greatly appreciated.

Belmont (Monte) Frisbee Jr.

Presented for your dedication, technical integrity, leadership and creativity in the development of specialized electronic equipment to intercept and exploit unfriendly signals. These signals exploitation systems are used in unique air, land and sea platforms and are employed worldwide. You have made significant innovative contributions outside this area. You should take great pride in your contributions.

Carl C. Halsey

For your outstanding contributions and leadership in the advancement of ordnance science. Your innovations have generated technical solutions where there were none, or improved on existing methods in the fields of terrain clearance, ship scuttling and ordnance storage. Your accomplishments, particularly in the field of high-performance magazine design, have gained national and international recognition for yourself and the Weapons Division.

Departing:

Capt. Charles A. Stevenson heading East



He's Memphis-bound... "goin' to Graceland." Actually, Stevenson's next tour is to head the Naval Reserve Officers Training Corps unit in Memphis.

Join in a farewell bash for the commanding officer of the Naval Air Weapons Station China Lake on Thursday, July 18, at 6 p.m. at the Wreck Center. Tickets are \$10 per person at the door. There will be heavy hors d'oeuvres and a no host bar. Please RSVP to Pat by Monday, July 15, at 939-2211. Presenters - please call Steve Boster at 939-3511 by July 15.

NEX expands floor space — ribbon cutting June 28 at 9 a.m. and start of big summer sale

A summer sale is set at China Lake's Navy Exchange June 28-30 to celebrate the Grand Re-opening of the "old" commissary, which is now part of the NEX.

Capt. Chuck Stevenson, NAWC CO, will cut the opening ribbon at 9 a.m. on the 28th to start things off. Everyone is invited to join the festivities.

"Join us as we celebrate our new store," said Lt. Jon Ulrich, OIC at the NEX. "We'll have special values in every department." With the new space available, the Exchange will now be selling furniture, mattresses and oriental

rugs, in addition to regular merchandise.

The NEX will have a large selection of plants at their sidewalk sale. From 10 a.m. to 1 p.m. near the NEX main entrance, lumpia and barbecue will be for sale for hungry shoppers.

The Video Store is now located in the Autoport and they have lowered the prices. Effective June 28 Flower Shop hours are 9 a.m. to 6 p.m., Monday through Saturday.

Don't forget to stock up on the NEX's full assortment of fresh water fishing gear as well.

Tech Library News 'n' Tools

Deanna Holloway

http://chlakeib.chinalake.navy.mil

Virtual library and Internet training — hot topics!

An Advanced Internet Class, sponsored by the Federal Managers Association (FMA) for the benefit of the Technical Library, will be taught on June 29 from 9 a.m. to 12:30 p.m. and 1:30-6 p.m. at the Knights of Columbus Hall, 725 W. Ridgecrest Blvd., Ridgecrest. The content will include "Advanced Information Retrieval" and "HTML-The Language of the Web." The presenter is Bob Boisvert, adjunct faculty, Cerro Coso Community College and Internet navigator extraordinaire.

"Advanced Information Retrieval" deals with techniques in finding information on the Internet, where the environment is decentralized and unfriendly. Several servers around the world contain information about the internet resources in various databases, and the most popular ones will be discussed. A technique will be discussed that will show the users how to create and use a local database to access their favorite World Wide Web homepages.

"HTML - The Language of the Web" deals with the development of WWW electronic pages, or homepages, by discussing the language of the WWW — HTML (Hypertext Markup Language). HTML is a simple language that uses simple commands to tell a web browser how to display the information. Information that will be covered includes formatting control commands, forms and proper document style. This class is a follow-up to a highly successful Internet Basic class which was held last month in Ridgecrest. The new "Virtual Library" and "Searching the Internet" are hot topics for China Lake and Point Mugu and numerous classes are being scheduled.

New training materials are being prepared to help guide patrons through the information process.

If you are interested in signing up for the Advanced Internet class on June 29, the cost is \$50, \$45 for seniors and students. Space is limited. To reserve a seat, please call Diana Eggleton at 375-8776 (evenings).

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BowlesDesert INSURANCE Low Rates, Monthly Payments 371-1017 123 W Ridgecrest Blvd.

AVIATION & ELECTRONIC SCHOOLS OF AMERICA Coming to China Lake this August: TURN YOUR EXPERIENCE INTO A LICENSE! FAA Airframe and Powerplant Course: August 18th - August 24th

THE LUCKIEST PLACE IN TOWN NFL Fun Mugs - \$8.50: 49ers • Chargers • Raiders • Dolphins • Cowboys Super LOTTO Who's Next? Bill's Liquor 301 Inyokern Rd • 446-7580

Join a progressive, fast growing team of professionals. Our firm is looking to fill the following full and part-time positions at Ridgecrest and/or Ventura locations: Engineers (BS degree, pref ME/EE/ Mathematics/Computer Science) w/exp in flight test, radar, QA/reliability, or data reduction

THE DRIFTERS Chico Vega's Show Friday July 12th \$10.00 in Advance \$12.00 at the Door The BURNERS Rock, Jazz 'n Blues Friday July 28th 9 pm - 2 am PRIMETIME Nightclub and Entertainment 1353 Inyokern Road Ridgecrest, CA 93555 (619) 446-7746

WESTRON COMPUTER ANNIVERSARY Sale Apple PowerMac 7200/120 16/1.2/CD \$2297. 7500/100 16/500/CD..... \$2499. SAMSUNG SENS800 P75 16/810 \$2499. SAMSUNG SENS800 P75 8/520 \$2317. WESTRON COMPUTER 619-B West Ridgecrest Boulevard. 619-375-7970 Apple IBM Sun

Former China Lake test pilot perishes in F/A-18 accident near St. Louis

By Kathi Ramont
Staff Writer

China Lake personnel were saddened recently to hear that on June 19 Jeffrey James Crutchfield, 44, was killed while performing acrobatic maneuvers in an F/A-18 fighter jet near St. Louis, Mo. He was preparing for an air show.

Crutchfield, who retired as a lieutenant commander in July 1993, spent his last naval tour as F/A-18 model manager, flight test operations officer and chief test pilot for NAWS China Lake. He was stationed here from August 1990 until his retirement, when the family moved to St. Charles, Mo., where Crutchfield had accepted a position with McDonnell Douglas Aircraft Corporation.

According to news reports, Crutchfield, in a plane owned by McDonnell Douglas, had spent the afternoon performing acrobatics in the area. "He started doing an outside roll ... and when he got to the top of the roll something went wrong; he stalled or something," said Gene Siglock, who lives in an area about two blocks from the crash site.

McDonnell Douglas spokesman Larry McCracken said the jet was undergoing tests. The pilot had landed at the St. Louis Regional Airport in Bethalto,

which is often used by McDonnell Douglas, and crashed shortly after taking off again. The plane was preparing for an air show in the Czech Republic.

Crutchfield entered the Navy at age 18 in June 1970. Following boot camp and Machinist Mate "A" School he was assigned to the submarine tender USS Nereus. In 1971, as a third class petty officer, he went to nuclear power training, after which he became an instructor at a prototype reactor plant. In 1975, he was assigned to the pre-commissioning unit of USS Baton Rouge as a first class, and it was during this tour that he was selected to attend Purdue University under the NESEP program.

In 1979 Crutchfield graduated with a degree in aeronautical engineering and was commissioned an ensign and sent to

flight training. He received his wings in February 1981. In late 1982 he became the Navy's first student to train in the F/A-18. He then went to Strike Fighter Squadron 113, where he served aboard

USS Constellation for three years. Then, after test pilot school, he served as a test pilot at Patuxent River. He returned to the test pilot school to serve a tour as an instructor and then was assigned to China Lake.

During Crutchfield's retirement ceremony, Cdr. Thomas N. Vaughn, CO of Strike Fighter Squadron 27, and a close friend, called Crutchfield a "number one strike fighter pilot."

He also added that while Crutchfield had accomplished all his goals in the Navy, his family had always come first.

When Crutchfield took the lectern at his retirement ceremony, he said he had

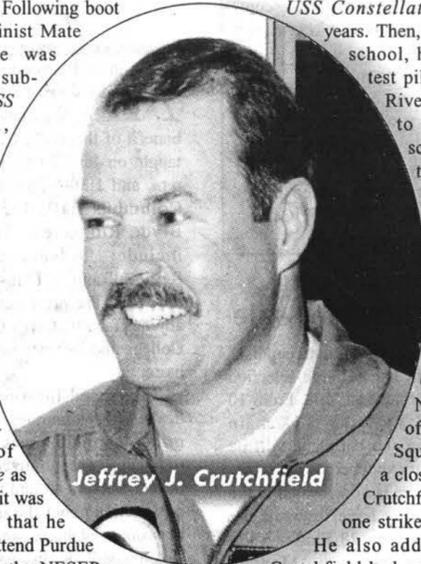
no fear and no sorrow about the change his retirement would bring. "I know that things don't happen by chance," he said. "I have a mighty God who's in control." He also said that the opportunity Capt. B. J. Craig gave him to serve as chief test pilot was the highlight of his career.

He was a member of the Association of Naval Aviation; Soaring Club of Greater St. Louis; Society of Experimental Test Pilots and Promise Keepers. His awards include the Navy Achievement Medal; Navy Meritorious Unit commendation with Bronze Star; Navy "E" Ribbon; National Defense Service Medal with Bronze Star; Sea Service Deployment Ribbon; Expert Rifleman Medal; and Expert Pistol Shot Medal.

A friend of the Crutchfield family, Mike Biddlingmeier, head of the China Lake Protocol Office, commented that "Crutch 'had the touch.' And now we've all lost a good friend."

Crutchfield is survived by his wife, Debbie, a son, Jim, and four daughters, Beckie, Alisa, Susie and Katie; his father and mother, George and Pauline of Connersville, Ind.; brothers Don and Greg of Connersville and Steve of Michigan; and a sister, Maria, of Indianapolis, Ind. He was preceded in death by his brother, Tom.

Funeral services were held last Saturday in St. Charles, Mo.



Jeffrey J. Crutchfield

CO DESKTOP from Page 2

to as many people as possible for exercise.

Answer

Thank you for sharing your thoughts about B Mountain access with me. I appreciate the interest you show in physical fitness and in the China Lake community. The Navy takes physical fitness and readiness very seriously as anyone in uniform can tell you. At NAWS we have an outdoor fitness course available to anyone in the community. We also have an excellent gymnasium and athletic program that is open to the community, including three swimming pools. I am very proud of the facilities and opportunities for recreation available to our community.

As the CO of NAWS it is my responsibility to maintain a secure environment that supports the research, development, test and evaluation mission of NAWCW-PNS. To ensure that security, I must know who is aboard the Station and inside the fenced restricted area. That is done through the restricted area access badging program of my Safety and Physical Security Department. All employees

must demonstrate an official need for access to range areas, such as B Mountain, to be given a badge for any given area. B Mountain is within the restricted area and is part of the NAWS north range complex.

It is also my responsibility to maintain a safe environment for any approved uses of the Station. All employees receive annual safety training and all employees with "N" access on their badge must sign a safety certification statement. With these programs in place I can allow authorized use of the land and facilities.

While I admire your desire to enhance the quality of life through recreation, I must temper that with the limits of good common sense on behalf of the Navy. I heartily endorse moving the restricted area fence to encompass B Mountain, but I do not have money in the budget to pay for the project.

I welcome any suggestions you, or others in the community, might have on making this possible and look forward to any ideas on ways in which we can continue to work together for a better community.

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F/A-18 weapon system. Your outstanding performance as a technical expert, manager and team leader has been instrumental in the F/A-18 WSSA's superb delivery record to the Fleet of new F/A-18 capabilities and products.

James R. McManigal

In recognition of your technical and managerial skills in the field of design and analysis of airframe structures for weapon systems. You have made significant technical contributions to the development of tactical missile airframes, shock hardness analysis for the Vertical Launch System, analytical dynamic models for anti-air missiles, and the achievement of a low RCS window for anti-surface missiles. Additionally, as the airframe IPT leader for JSOW and BLU-108, you are responsible for orchestrating a balance of technical design requirements and program constraints that

helped produce a successful first flight, a successful critical design review and a favorable Defense Acquisition Board Milestone II Decision, all in record time. These accomplishments, along with your enthusiasm, technical knowledge and leadership ability are highly valued.

Pamela L. Overfelt

In recognition of your important technical contributions to the science and technology base and weapons programs at the Weapons Division. You have made numerous major contributions in the areas of microwave and millimeter-wave wave guides, signal transmission through fiber optics, radar development and implementation, antennas and electromagnetic propagation. Particularly noteworthy are your contributions to programs such as AMRAAM, Standard Missile and HARM Low Cost Seeker. You are an excellent

model of a Navy scientist who maintains the delicate balance between producing quality scientific research products and applying the resulting knowledge and insights to solving important problems.

Scott R. Randall

In recognition of your outstanding career within the Naval aviation community and specifically your technical leadership of the Tri-Service Standoff Attack Missile Program efforts. Your personal dedication, managerial insight, leadership skills and technical discipline significantly enhanced the effectiveness of your team's contributions to the TSSAM program. The results of your efforts have helped to nurture the continued recognition of the Weapons Division as the leader in weapons development and acquisition support.

Stephen R. Underwood

In recognition of your outstanding technical expertise and leadership throughout your career. You performed outstanding work in leadership positions for the A-7, A-6E, AV-8B and AH-1 aircraft programs. Particularly noteworthy was your work as head of the Strike Technology Office where you developed and implemented the Center's vision of integrated strike technologies. This led you to become involved in the Joint Advanced Strike Technology demonstration where you made significant systems development contributions.

Dr. Elizabeth J. Wilson

In recognition of your outstanding technical leadership and consultative support as an expert on the Digital Equipment Corpo-

ration VAX system. Your technical expertise, training and consultative support continues to be highly beneficial to the EA-6B Weapon System Support Laboratory and its customers as well as other VAX facility managers throughout the Weapons Division, Point Mugu.

Specifically, for the EA-6B WSSL, you have created an extremely versatile and cost-effective capability that helps to maintain our Fleet support at a high level of excellence, thus contributing to overall readiness of our prime customer, the fleet. You set an example for others by your dedication, expertise, performance, professionalism and "can-do" attitude.

James E. Wojciehowski

In recognition of your exceptional technical and managerial abilities in support of the AV-8B Weapon System Support Activity. You have been instrumental in the development of many important AV-8B products for our customers, including aircrew trainer software, mission planning and support software, and major fleet operational flight program releases.

You are now leading the way in the application of acquisition reform initiatives to AV-8B development through your enthusiastic, innovative integration of commercial off-the-shelf processors into the embedded computing environment. Your skills and accomplishments have significantly contributed to the productivity and reputation of the division.

Please see **AWARDS**, Page 16



Photos by Tim Tyson

DR. WILLIAM B. McLEAN AWARD—Awardees (left to right) Monte Frisbee, Carl Halsey and Dr. Donald Decker, are shown with RAdm. Dana B. McKinney.

Safety Sense

By: **Dena Christison**
Safety Specialist

Heat stress alert

With the arrival of summer, China Lakers are again challenged by extreme summer temperatures. A hot day, hot job, or even recreation or exercise in the heat, could add up to a heat-stress emergency.

Be alert to the symptoms of the three basic types of heat emergencies — heat cramps, heat exhaustion and heat stroke.

Description and symptoms

Heat cramps: Exhaustion, muscle cramps or spasms (especially in the large muscle groups such as arms, legs and abdomen).

Heat exhaustion: Profuse sweating, tired/confused, pale complexion, weakness, nausea, headache, faint, light headed, cool/clammy skin.

Heat stroke: Irrational, confused, stopped sweating, dry skin, weak pulse, unconscious, faint, weak, red or spotted skin, extremely high body temperature.

Prevention at Work

Supervisors and co-workers should work together to monitor personnel for heat stress symptoms during hot weather work.

If possible, and the work area environment permits, loosen or remove heavy or

restrictive clothing. However, do not forego safety considerations or personal protective equipment for temperature comfort.

- Wear lightweight clothing. Do not bare the skin without the use of sunscreen creams or lotions. This could lead to sunburn.

- Use air conditioners and fans to cool or simply circulate the air.

- Make cooling drinks readily available. Encourage, and even require, personnel to drink extra water.

- Schedule hard labor work or outside work during cooler hours in the morning or evening, if possible.

- Keep water spray bottles immediately available. Be prepared to spray/cool down individuals who exhibit adverse heat symptoms.

- Take frequent breaks.

- Gradually acclimate yourself to the heat, especially if you are new to our hot desert workplace.

- Be prepared for heat injuries and emergencies.

Prevention during recreation

Personal and recreational heat stress prevention guidelines are just as important as

on-duty considerations. Keep in mind, heat does not enhance physical conditioning, but can cause physical stress.

- Exercise in the cooler morning or evening hours.

- Drink generous amounts of water and begin drinking water prior to activity. Plain water is best for fluid replacement. Alcohol or caffeinated drinks are actually diuretics, and can lead to dehydration, while sweet/sugared drinks take longer to absorb. Try diluting sports drinks with plain water to increase water absorption rate.

- Dress lightly. Sweat suits, rubber "sweat" suits, or heavy garments do not enhance conditioning and may be very dangerous in extreme heat. Light shorts and shirts are ideal for warm weather.

- Exercise in groups of two or more. The buddy system ensures more fun and more monitoring in the event of heat problems.

- If you feel faint, stop and rest.

- Avoid sunburn. Generously use a quality sunscreen product with a high SPF.

- Exercise with caution and at reduced levels, especially following a period of vacation or illness.

First aid — classes enrolling

And finally, everyone should know basic first aid and cardiopulmonary resuscitation (CPR) techniques for heat emergencies that could occur on or off the job. Classes are currently being held at China Lake, Monday - Thursday, through Aug. 22. Call the Safety Office at 939-2315 to sign-up for a class, or for additional information on our CPR/first aid program.

Check your smoke detector

All smoke detector manufacturers, and your local fire department, recommend that you test your smoke detector monthly. This will let you know your detector is functioning properly and enable you to replace or repair a malfunctioning detector before an actual fire occurs.

Semi-annual cleaning of your detector, whether externally powered or battery powered, is also a good practice. All this requires is to vacuum across the face of the detector, removing dust and other particles that can accumulate. The battery, including backup batteries in externally powered detectors, should be replaced at least once a year. Choose a date to replace your batteries that is easy to remember, such as July 4.

People perish in home fires each year because they don't know what to do. The China Lake Fire Division hopes your family has prepared and practiced a home fire escape plan. Operation EDITH means Exit Drills In The Home. Start today — locate and learn to use alternate routes to safety. Don't wait until there's a fire to discover windows are painted over or nailed shut. Check all windows to see they open from the inside. Fast actions are needed in a fire, and practice helps that happen.

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McDonald's

New security measures protect NAWCWPNS network

By Mark Kolstoe
Information Management Department

With the popularity of the Internet, the subject of Internet security comes up. The NAWCWPNS Enterprise Network, by virtue of the fact that we are a part of the Internet, is a prime target for hackers and other n'er-do-wells around the world. Military laboratories have long been a prime target for these folks because security was thought to be tightest at these installations. If you could break into one of the military's computers, then you had the right to brag about being a hacker "extraordinaire!"

For years the NAWCWPNS Enterprise Network was pretty secure, relatively speaking. We had earned the respect of the Navy's professional hackers whose only job it has been to try to compromise security on Navy-owned systems connected to the Internet. This was mainly accomplished through the tightening up, security-wise, of the computers that had Internet capabilities.

New measures

With the ever-increasing number of Internet capable computers within the NAWCWPNS Enterprise Network, however, the task is growing too large to effectively manage through those efforts alone. Therefore, there are some additional measures that will be implemented to maintain or to increase our network security.

Additionally, the Chief of Naval Opera-

tions, in Naval Message "Guidelines for Naval use of the Internet," states, in part: "Information systems security guidelines: (a) all naval information systems with servers (including web servers) that are connected to unclassified publicly accessible computer networks, such as the Internet, will employ appropriate security safeguards (such as firewalls) as necessary to ensure the integrity, authenticity, privacy and availability of a command's information system and its data."

(The full message can be seen at <http://www.chinalake.navy.mil/guidelines.html>.)

Firewall

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

The proxies act as a buffer between the client application out on the Internet someplace and the service housed within the NAWCWPNS Enterprise Network. For

example, if someone outside wants to download a file using FTP (File Transport Protocol), he/she/it ftp's to the host computer as usual, but the request is intercepted by the Firewall FTP proxy. The proxy analyzes the request to check for "bad things" and then, in turn, requests the file from the host computer. The host computer sends the file to the proxy, which in turn, sends it to the requesting client.

Another task of the Firewall machine is to act as a "filter" for TCP/IP packets. Because of the way TCP/IP was designed, each packet carries information about the address of the computer making the request for service, the address of the intended host computer, the type of service being requested and myriad other pertinent data. One of the best attributes of a Firewall is that you can look at this data and just throw the packets into the "bit bucket" if they come from someone you don't want inside your network. The requesting client merely gets nothing back, so it assumes the machine is unreachable and tells the user that.

All transactions to and from the Internet will be logged by the Firewall and will be analyzed for security purposes.

The NAWCWPNS Enterprise Network is connected to the Internet via a T-1 communications link (several actually, including one at China Lake and one at Point Mugu). A T-1 link transmits data at 1.544 Megabits per second, a significant chunk of bandwidth. When that data gets into our local

networks, it competes with the internal data flow, slowing down QuickMail, Appletalk, file sharing, etc. A Firewall will help to keep that volume of traffic outside of the Enterprise Network.

The Firewall will be transparent to internal NAWCWPNS Enterprise Network users. Internal users will still be able to visit any site that they can currently. You can think of it as a hinged gate that only opens out (or for the more technically-minded, like a diode). Outside users will be denied access to internal NAWCWPNS services unless they are specifically authorized through an external connection request process. Other NAVWAN users (the Naval Air Systems TEAM) will still have access to internal NAWCWPNS services.

External servers

To maintain a NAWCWPNS presence on the Internet, a set of Internet servers will be placed "outside" of the Firewall to continue to serve our external customers. There will be a World Wide Web (WWW) server, a File Transfer Protocol (FTP) server, a Domain Name Server (DNS), and a USENet (Network News) server.

Internal users who are hosting WWW servers or FTP servers will have to move their material to the "outside" systems unless they are authorized through the waiver process. IMD is providing these Internet services and will maintain them. The cost to participating organizations who host data will be nominal. Organizations

Sidewinder projects. Specifically recognized is your recent technical leadership in the restructure of the Tomahawk All-Up Round NAWC Support Team and in the establishment of the Tomahawk block IV integrated product teams. Because of this effort the NAWC chairs nine of the eleven IPTs. Your technical and managerial skills have helped keep Tomahawk a continuing successful program. Earlier in your career, your knowledge and skills were an asset to the continuing success of Sidewinder. You were effective in helping make improvements for the AIM-9R design and fabrication and understanding overall requirements. Your technical capabilities and ability to interface effectively with others helped make the AIM-9X the success it is today.

Dr. Charles R. Jones

In recognition of your valuable and critical contributions to the AV-8B and AH-1

Weapon System Support Facilities. Your outstanding leadership and innovative designs are the paramount reason that these WSSFs were able to expand their capabilities from benches used to test individual components into facilities that support high-level system tests. These laboratories are now being used as development stations for operational flight program upgrades, as well as to identify the vast majority of problems associated with avionics and aircraft weapon system upgrades. As a senior WSSF architect, your design expertise is evidenced not only in the AV-8B and AH-1 facilities but throughout the division including the current F/A-18 facility and in the A-4M, A-6 and A-7 facilities as well.

James D. Lawson

In recognition of your significant technical contribution as the lead engineer to the Propellant Hazard Test and Analysis Pro-

gram for the Trident Program Office. You helped overcome unique technical problems associated with testing for this program, and in so doing, you effectively expanded the test and evaluation capability of the Center. You designed and built innovative engineering solutions that allowed sled track tests to be conducted that were beyond the previous boundaries of our sled test capability. In addition to your design responsibilities, you served as coordinator for most of the actual tests. In this capacity you specified propulsion systems for the sleds and provided general engineering oversight for day-to-day test activity. The success of this two-and-one-half year effort was due, in great part, to your technical and leadership abilities.

Thomas E. Loftus

In recognition of your outstanding contributions and accomplishments in weapons technology management. In particular, your managerial and technical leadership of the Office of Naval Research Air Weaponry Technology Program has been instrumental in the formulation and execution of a balanced program which addresses current and future Navy weapon system needs. Technologies developed under your direc-

tion have been incorporated into numerous weapons development and production efforts resulting in significant increases in fleet weapon capabilities and effectiveness.

Gregory K. Lundin

In recognition of your outstanding managerial and technical skills in avionics integration and your excellent development of the AH-1 Integrated Product Team. During a complex and difficult TEAM-wide reorganization period you initiated activities that set a standard for how IPTs and competencies can work together cooperatively. Your operating plan defined how your team would work and acknowledged the contributions of all team members. You further set a leadership example by developing, jointly with your supporting competency leaders, a training plan for all members of your IPT, assuring that you and your team members will be well prepared for the future. Your leadership style transforms the talent of others into a competent and cooperative work force. You have demonstrated how effectively the IPT/CAO organizational concept can work when the principles are constructively applied.

Darrell B. Maxwell

In recognition of your technical and managerial leadership in support of the F/A-18 Weapon System Support Activity. As a senior technical leader in the WSSA you are responsible for directing the development of all operational flight programs for all models of the F/A-18 and directing the integration of all new systems into the

Continued on next page



DR. L.T.E. THOMPSON MEMORIAL AWARD—Awardees shown with NAWCWPNS Commander RADM. Dana B. McKinney are (left to right) Mark Schallheim, Randell Cope, Herbert Richter, Lloyd Smith, Brad Royer and Ronald Jones.

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Task Teams being developed include Youth Activities, Arts Center, School Bond, and Post High School Education.

For more information about joining a Task Team or for a membership application, please call 371-2722 and leave a message or write to IWV 2000 at P.O. Box 2000, Ridgecrest CA, 93556. Email: IWV2000@ridgecrest.ca.us

For ages 1-6

It is called a Comfy (that's the manufacturer) Activity Center. The reviews are fantastic. Comes with *The First Step* for 12-24 months & *ComfyLand* for 2-6 years. If desired, there are add-on adventures. The CD-ROM version has additional features. "My 1 1/2 year olds love to sit on my lap and just push buttons. You can see the excitement on their faces when they figure out what a button is for." "The 2 1/2 year old can't get enough of the Telephone: it is rarely put down" "My 4 year old is starting to take an interest in the story... The 6 year old is interested in the story..." We have both PC versions in stock:

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4, 8, 16, 32MB 72-pin EDO SIMMs
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ADP SPEDI News

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New RAM DIMMs and SIMMs:
Mac 32MB 72-pin SIMM 32MBx72-MAC
PC 32MB 72-pin SIMM 32MBx72-PC
32MB 32MB-DIMM, 16MB 16MB-DIMM, 8MB 8MB-DIMM, 4MB 4MB-DIMM for Pwr Macs
See the SPEDI on-line catalog for new products & lower RAM pricing.

Popular/New Items:
Zip media 100MB Mac 10019, PC 10021
16MB 72-pin SIMM 16MBx72-MAC, or ...-PC
Zip Drives, 100MB (200 compressed) SCSI external MFPM 10011, parallel external (incl. drive, cable, power intfc.) 10012
HP 2GB SCSI hard drive C3325A

For prices and operational matters, call Mike Tague (said as "tag"). For technical matters, call Tom Rindt. Both are at 375-5744.

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Mich Lab, Thompson and McLean Awards presented by commander

The following 22 NAWCWPNS employees were presented with awards by RAdm. Dana B. McKinney, commander, Weapons Division, and Sterling Haaland, research and engineering competency director, Wednesday, June 12, at the Wreck Center. This text is taken directly from their award certificates.

Dr. James C. Baldwin
In recognition of your outstanding leadership and technical accomplishments in the advancement of energetic materials knowledge and its application to Naval warfare. Your technical expertise in liquid propellants and insulators, in combination with your leadership skill, is recognized both nationally and internationally. You are similarly recognized as a technical expert and leader in the fields of insensitive munitions propulsion and integrated high-payoff rocket propulsion technology. You are consis-

tently sought out by others to help solve the most difficult problems encountered with energetic materials.
Madelyn A. (Mitz) Fortune
In recognition of your outstanding technical and managerial leadership and your contribution to solving Center-wide problems. You have excelled in the application of total quality leadership principles within your work group. More importantly, you have extended the application of those principles to help solve problems outside your direct work group. You are recognized Cen-

ter-wide as someone who assumes responsibility for the betterment of the whole organization. You have demonstrated the capability to develop and execute long-term planning both for your own organization and for the Center by your involvement in several focus groups to improve communications, streamline processes and implement solutions to common problems.
Bradford R. Harlow
In recognition of your outstanding managerial accomplishments and technical leadership in support of the Tomahawk and



MICHELSON LABORATORY AWARD—Honorees are (left to right, front row) Dr. Elizabeth Wilson, Darrell Maxwell, Thomas Loftus, James McManigal, Gregory Lundin, Dr. Charles Jones, Mitz Fortune, Pamela Overfelt, Stephen Underwood, McKinney, (front row) Bradford Harlow, Scott Randall, James Lawson and James Wojciechowski. Not pictured: Dr. James Baldwin.

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with special circumstances will be allowed to request a waiver to this requirement. Waivers will be dealt with on an as-needed basis and must be fully justified. A process for the waivers is currently under development. Approved waivers will be implemented under a restrictive set of guidelines.

Device-naming convention
The second method of providing additional security is through a device-naming convention. A few "rules" are listed below, which, if followed, increase the security of our internal network.

Don't use non-alphanumeric characters. Some software doesn't deal well with non-alphanumeric characters in host names. Avoid the use of non-alphanumeric characters, such as underscores.

Don't name machines after projects or people. Projects are expanded, completed, and abandoned; people get new computers, leave and move to other departments within the organization.

Use short, easy-to-remember, easy-to-spell, speakable names. Domain names were put into use so that people wouldn't have to remember IP addresses; don't make things difficult for people by naming a machine something that's hard to spell, or will always have to be clarified: for example, a machine named "whether" might often be taken for a host called "weather."

Use names along a common theme. Naming your computers along a common theme, such as names of characters in Shakespeare's plays, makes naming

machines easier, names easier to remember... and fun.

Don't worry about using common names: names can only conflict with other names within your particular subdomain. For example, there can be a host called "indigo.chinalake.navy.mil," and another called "indigo.mugu.navy.mil," with no conflict.

This naming convention makes good security sense and is mandatory, as is device name registration in the DNS. Just think, if you name your machine "fl8weapons.chinalake.navy.mil," you have just set yourself up as a prime target for attack. Or a machine named "nawcwpn-scommander.chinalake.navy.mil" (while being incredibly long and hard to type) targets that machine as well. While these are only examples, you can see that naming a machine after yourself, your job or your organization advertises "Please aim your break-in attempts here!" This is not a particularly good idea. People who use the machines regularly will know which machine they want to connect to. For those that don't already know, they probably don't have any need to know.

The naming convention is mandatory and applies to all protocols (Ethertalk, DECnet, TCP/IP, IPX, etc.). All new devices must comply. But, because of the large number of machines already named "my_name.chinalake.navy.mil," the task of changing them all would be a tremendous crush if all were done at once. Affected users will be contacted to select a new

name for their machines. But, start thinking about choices now. It will be much easier when the time comes.

Public release rules still apply

There will doubtless be complaints that the Firewall will be "too restrictive," that we "need to share this data with the world," that we've "never had these restrictions before," etc. These are all valid complaints, but we have to remember where we work. We are not at a college or university, this is not our "Community Network," and "...will reflect directly, or indirectly, on the Department of the Navy's image..." (from the aforementioned Naval Message). Just as in the past, we have to get clearance from the proper channels to share data or information with the outside world. The rules governing publicly releasable information still apply, even to the newer electronic media, just as they did for old hard-copy access.

The CNO's message also states that "Hypertext Internet applications may improve many facets of our operations and provide an efficient and effective means of communication and information distribution. The National Information Infrastructure (NII) and the Defense Information Infrastructure (DII) have as a goal to increase the ease and availability of information, both within the government and to information approved for public release and

accessibility by the public." The Navy needs to balance this accessibility with the requirement to protect the data which needs to be protected.

Remember — "security is everybody's business."

Technical questions may be directed to Bruce Lowry, 939-3257, and security questions may be directed to Dave Shipley, 939-8526. Both are available via QuickMail. Any existing non-"well known services" TCP/IP port usage by your organization should be reported to these points of contact.

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Color Digital Camera Deals
The rate of evolution of the digital camera has been intimidating. We feel the time of the really usable color digital camera is here. We carry many digital cameras and are an authorized Logitech, Apple, Kodak, Casio and Epson dealer and carry their digital cameras. All offer great, under-\$1,000 cameras including:
The new **Epson PhotoPC** is one of the most remarkable digital cameras to date. It brings quality of image, on-screen preview & a set of upgrades to an affordable price. **\$499**. ← Our first-digital-camera choice.
The **\$549 Casio QV-10A Plus** does for digital cameras what the SLR did for conventional cameras: Its *super* built-in **color** active TFT LCD screen lets you view pictures both in real-time & for instant playback; it holds 96 images in memory.
Kodak's DC series are industrial grade cameras with the **DC40** accepting lenses & priced at only **\$679** and the **DC50** having a motorized autofocus zoom lens & higher resolution for **\$999**.
Limited-Quantity Specials: The Logitech FotoMan Pictura is only **\$649** (one left). The Casio QV-10 is only **\$449**.

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Intelligram

Check it out at the Intell Library

By Jerry Broaker
Information Research Specialist

Listed below are documents recently received in the Intelligence Library. Our documents are filed according to the KWOC (Key Word Out of Context) number.

721675 — "NTACMS Versus Standard Missile for Naval Surface Fire Support: Final Briefing" (CNA). CNA recently completed a study that analyzed ship-launched missile options for two surface-to-land missions. This is a quick analysis of the two most promising missile options for these two surface-to-land missions: Standard Missile and the Tactical Missile System (TACMS) modified

for Navy use.

733025 — "Estimation and Prediction of Ballistic Missile Trajectories" (RAND). This unclassified study describes an analytical tool useful in establishing figures of merit in an operational setting in which ballistic missile defenses are employed. The report should be of use to those concerned with theater missile defense architectures and operational effectiveness analysis.

2720 — "Report of the Defense Science Board Task Force on the Global Positioning System (GPS)" (SECDEF). In this report the Task Force was asked

to provide advice on the vulnerability of GPS navigation services to electronic jamming. Specifically advice on ways to deny the use of GPS to enemies and any military deficiencies associated with the use of GPS.

250378 — "History and Development of Rockets Used in Guerrilla Warfare" (NGIC). This paper provides details on development, technical characteristics and historical use of rockets in gorilla warfare. These weapons include, but are not limited to, the 122-mm rocket and the 107-mm Type 63 rockets.

509112 — "System Threat Assessment Report on the LPD 17 Class Amphibious Transport, Dock" (ONI). This document provides a STAR designed to support LPD 17 Amphibious Transport, Dock Program planning. It describes the general environment in which the LPD 17 must operate and describes the specific air-, sea-, and land-based threat it may face at two time

intervals — at initial operating capability (IOC) and at IOC plus 10 years.

404805 — "Military Capabilities Studies" (DIA). These studies are designed to serve as a ready reference document for national, operational, and tactical planners. Each study presents a compilation of intelligence on forces and resources that contribute to the military security of each country and on the political and economic factors affecting the country's military capabilities.

We have a fairly good selection of documents that come in periodically. These include the Aimpoint; Highlights of Foreign Ground Combat Developments; Vector, the CAEWWS Newsletter; USAF Weapons Review and Studies in Intelligence. Stop by and browse through these documents just to see what's new.

For further information please call 939-1503. Remember, we are located at the end of Wing 5 in Michelson Lab and are looking forward to serving you.

Need some cool stuff? Check out auction starting at 9:30 a.m. on July 9

Local Auction 41-8207 will be conducted by the Defense Reutilization and Marketing Office at China Lake on Thursday, July 9.

Fax bids and bids dropped off at the sale site will be accepted until 3 p.m. July 8.

All bids after 3 p.m. will be considered non-responsive. The items will be

on display for inspection July 3, 4 and 8 from 7:30 a.m. through 3 p.m., and on July 9 from 7:30 through 9:30 a.m. A complete list, as well as sales terms and conditions, can be seen at the DRMO in Building 1073.

Registration for this sale will begin July 3 and continue 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, i.e. cashier's check, travelers check or money order. Visa and Mastercard will also be accepted.

Purchasers will have until July 17 to pay for and remove items. The DRMO

will be closed on July 12. 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, Building 1073, (619) 939-2502/2538.

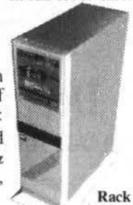
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- Complete system: Intel Triton motherboard with 1.2GB high-perf. EIDE hard drive & controller, 8MB RAM, parallel & two serial ports, 1.44MB drive, 1024x768x256-colors VGA monitor & very-high-performance PCI Windows accelerator VGA card, Win. 3.11/DOS 6.22 (or Windows 95).

Microsoft-brand mouse, enh. keyboard, 3-year, no-hassle parts & labor warranty. 166MHz is just \$1,499 (or \$49/mo. incl state tax), 150MHz is \$1,329, 133MHz is \$1,229, 100MHz is \$1,099. 120, 75 avail. Pipeline cache: See right inset. Upgrade from 8 to 16MB \$59, from 8 to 32MB \$199.

In full tower case.



Rack cases available.

With these systems, add/upgrade to: 256k pipeline cache on Triton motherboards for \$19. 512k is \$49. 1.7GB hard disk drive, only \$29. Quad-speed CD-ROM 600KB/sec. just \$59. 6X CD-ROM drive just \$69. Micro soft Win dows 95 this week free.

With system: CD-ROM pack w/Encarta 96, Works Money, Dangerous Creatures, more, just \$69. 133MHz 5x86 is faster than a 90MHz Pentium processor system; Pentium-processor performance in a 486-class system. Configured as above system but 133MHz PCI system is just \$979. 120MHz 486DX4 VLB is \$959, a 100MHz 486DX4 VLB is \$949. Upgrade to 16MB RAM for \$69.

Cyrix 686 processor on a Triton motherboard configured same as above but with a P166 processor just \$1,289. P150 is \$1,149. P133 \$1,119, and P120 is \$1,069. Upgrade to 16MB RAM for \$59. Performance: 686 processors outperform corresponding Pentium CPUs. Cyrix' P-rating matches the nearest Intel Pentium. Thus, a P150 outperforms a 150MHz Pentium CPU. 686s are faster. For some applications, they're quite a bit faster. 166MHz Pentium processor system with 17" super monitor, as above with fast PCI bus, PCI EIDE controller, 2GB hard drive, 6x CD-ROM drive: Sound Blaster, 32MBRAM, just \$2,279.

All: 3-year, no-hassle parts & labor warranty.

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- HP Colorado T1000 800MB int. \$169
- Ditto 3200 Travan 3.2GB internal just \$259, external \$319 (both can use any of DC2120 & 2120XL, TR-1, TR-2, TR-3)
- HP Colorado T4000 Travan 4 SCSI-2, up to 31MB/min. (up to 62/min. compressed), up to 4GB (8GB comp.), 2-yr warranty, w/super software, HP quality and reliability, only \$419, in stock

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Free Digital Camera Classes

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CHINA LAKE GENERAL ANNOUNCEMENTS

MAMMOGRAPHY SCREENING

The Wellness Program (Code 731000D) will sponsor a mammography screening for NAWC/NAWS-China Lake employees and their spouses. Valley Technological Services (VTS) will have their mobile mammography unit in front of the Administration Building on 10 and 18 July. The cost of the x-ray exam is \$65. Participants must be at least 35 years old unless referred by a physician. VTS is accredited by the American College of Radiology.

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

CHINA LAKE TOASTMASTERS COMMUNICATIONS AND LEADERSHIP PROGRAM

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

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

The program is held at the Training Center, Room 114, every Thursday from 1830 to 2000.
For more information, call Carl Von Elm at 377-5768.

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.

The Employee Assistance Program has arranged for a representative from the Consumer Credit Counselors of Kern County, a nonprofit community service agency from Bakersfield, to come to NAWCWPNS to offer counseling.

FAREWELLS

ROBERT (BOBBY) J. BURK

Robert (Bobby) J. Burk is retiring after 26 years of service at the China Lake Fire Department and over 31 years of federal service. A retirement party will be held in his honor at the King Street Park (old CPO Club) on 10 July from 1700-?. The cost is \$5 per person toward a barbeque beef and sparerib dinner and a gift. For further information, gift donations, and dinner reservations, contact Dawn Rizzardini at 927-1802 or Bob Voigt at 939-9393/2095.

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.

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 Louis W. Rogers, located in Trailer 10097; he can be reached at 989-1374.

CIVILIAN EMPLOYEE ASSISTANCE PROGRAM (CEAP)

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

used before, during (on administrative leave), or after working hours. Family members, self-referrals, and supervisory referrals are welcome. The program is located in Bldg. 2-825 (University of La Verne). All interviews are confidential. For further information, call Bob at 989-7708

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 Teimart 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

Victoria Wintjen, Code 823220D

Victoria is recovering from surgery and is being treated for a brain tumor.

Barbara Hurd, Code 523A00D

Barbara is caring for her husband, who is recovering from surgery.

Norman Wheeler, Code 331000D

Norman is recuperating from an extended hospital stay.

Debbie Hurt, Code 472G40D

Debbie is suffering from severe allergy and asthma problems.

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.

Jeanie Salyer, Code 734000D

Jeanie is undergoing peritoneal dialysis while awaiting a kidney transplant.

Charles Adler, Code 462000D

Charles suffered a stroke.

Tim Horton, Code 418000D

Tim is recovering from major back surgery.

Holly Bishop, Code 523100D

Holly is caring for her father, who has cancer.

Tina Liszka, Code 413100D

Tina has a medical problem.

POINT MUGU

Daniel Ray Russell, Code 8354003

Daniel has State 3 small-cell lymphoma (cancer) and is undergoing chemotherapy at UCLA.

John Gerende, Code 314410E

John is recovering from two elbow surgeries.

Michael Tibbs, Code 413200E

Michael has idiopathic congenital lymphedema (Milroy's disease). He will be undergoing his 203rd major operation, which will consist of a left-foot transmetatarsal amputation.

William Peavyhouse, Code 522730E

William is recovering from a severe medical trauma requiring an extended convalescence.

Roberta Klute, Code 534120E

Roberta is on maternity leave.

Mikki McCully, Code 454930E

Mikki is recovering from major surgery.

Raymond Lawrence, Code 833710E

Raymond is recovering from bypass surgery.

Robert McGlew, Code 834210E

Robert is recovering from complications following back surgery.

Juanita Faye Blunt, Code 529110E

Juanita has been diagnosed with lymphoma.

Lupe Wilson, NAVSOC

Lupe is under a doctor's care.

Theron (LeRoy) Merrel, Code 834210E

Theron is recovering from back surgery.

Donald Piolet, Code 454110E

Donald is under a doctor's care following herniated disc surgery.

Christine Doria Agustin, Code 763100E

Christine is on maternity leave.

Anita Retome, Code 453300E

Anita is caring for her daughter, who needs medical attention.

Robert E. Irving, Code 832620E

Robert has undergone two spinal surgeries.

FAMILY SERVICE CENTER (FSC) CIVILIAN RIF SERVICES

The following services are available to civilian employees during the Reduction In Force (RIF) proceedings at Point Mugu and China Lake:

FSC COUNSELING SERVICES (CLINICAL)

- Two licensed mental health counselors are available for emergency response.
- FSC clinical staff is prepared to do 3-hour weekly group workshops (to accommodate up to 60 individuals per session). These workshops are primarily prevention programs designed to educate and reduce the stress, tension, and sense of loss due to the RIF.
- FSC will provide a monthly 2-hour stress management class to accommodate up to 50 individuals.

FSC CAREER COUNSELING

- FSC's Transition Assistance Management Program will provide classes on the following: Resume Preparation, Interviewing Skills, Job Search Techniques, and Skills Assessment.
- FSC job banks and computerized referral services will be made available to affected civilians.
- On a space-available basis, civilians can attend the 4-1/2 day Transition Assistance Program (TAP) for separating active-duty members (4 days at China Lake).

FSC RELOCATION SERVICES

- Relocation assistance (RAP) will be provided as needed. The FSC RAP has housing, school, and medical information on all 50 states and overseas military locations.

FINANCIAL COUNSELING SERVICES

- Individual financial counseling (debt resolution, budget preparation, etc.) services are offered to civilians adversely impacted by the RIF. Appointments are necessary.

SERVICES ARE PROVIDED AT THE FOLLOWING LOCATIONS AND TIMES

CHINA LAKE:
610 Blandy, Bldg. 02308
Code 82J000D
Phone (619) 939-1555

POINT MUGU:
Trailer 10131, Chapel Complex
Code 83F000E
Phone (805) 989-8146

Monday, Wednesday, Thursday, and non-Flex Friday, 0700 to 0900
Reservations are required for computer usage.

CIVILIAN PERSONNEL DIVISION NEWS

NSAP POSITIONS

Naval Science and Technical Advisors, Interdisciplinary, DP-801, 861, 1310, 1520, 1550 (Multiple Vacancies); DP-3 or above—Area of Consideration: NAWCWPNS, All Sites. Opening Date: 6-28-96. Closing Date: 7-11-96. Selecting Official: John LaMarr, 939-4882 (DSN 351-4882). Permanent Change of Duty Station Authorized: Yes.

The Naval Science Assistance Program (NSAP) provides quick-reaction scientific and technical services to the major Navy and Marine Corps operational commands in direct support of efforts intended to improve Fleet combat readiness and to related Navy commands. One of the goals of NSAP is to improve the dialogue between the Navy's Research, Development, Test, and Evaluation (RD&E) laboratories, NAWC divisions, and operational forces and the responsiveness of the laboratory and NAWC community in achieving timely solutions to specific technical problems that significantly impact operational readiness.

This announcement identifies Science Advisor and Technical Advisor vacancies that will be filled between August and October 1996. All NAWCWPNS applicants will be interviewed, and selections will be made the week of 15 July 1996. Division candidates are encouraged to apply for more than one position/locations. The candidates nominated by the Division will then compete with nominees from the Navy laboratories, Naval Surface Warfare Center, and other NAWC Divisions. The NSAP Director, Office Of Naval Research, Ballston, VA, will make the final selection for all positions. Each vacancy is listed below with a brief statement of the background the command has stated a requirement for and the dates of the assignment.

The following Science/Technical positions are available:

SCIENCE ADVISOR

Commander, Naval Special Warfare Command, San Diego, CA. Two- to three-year tour beginning August 1996.

Technical background desired in physical or computational sciences or engineering; special warfare technology experience will be helpful.

Commander, Naval Doctrine Command, Norfolk, VA. Two- to three-year tour beginning September 1996. Technical background desired in physical or computational sciences or engineering; policy and joint warfighting command experience will be helpful.

Commander in Chief, Atlantic Fleet, Norfolk, VA. Two- to three-year tour tentatively beginning in October 1996. Technical background desired in physical or computational sciences or engineering; C4ISR experience may be required.

Commander, Marine CCDC, Quantico, VA. One-year tour beginning in August 1996 with extensions possible. Technical background required in non-lethal technologies (development, insertion, policy/doctrinal/tactical issues).

TECHNICAL ADVISOR

Commander, Seventh Fleet, Yokosuka, Japan. Two- to three-year tour beginning in August 1996. Technical background required in C4ISR-related technologies.

Commander, Fifth Fleet, Bahrain. Two- to three-year tour beginning in October 1996. Technical background required in C4ISR-related technologies.

Factors considered for candidate selection include the following:

1. Communication abilities that allow meaningful exchanges with the Navy and technical community.

2. Ability to deal effectively with high-ranking civilian and military personnel in situations requiring a high degree of tact, diplomacy, and sound judgment.

3. Ability to make sound technical recommendations and accept responsibility for decisions.

4. Technical competence in broad areas plus the specific areas list above for each vacancy.

5. Familiarity with the Naval Systems Commands, OPNAV, and other Navy Laboratory/Division communities.

A minimum of a Secret Security clearance is required. Applicants must pass a physical examination.

Science Advisor positions are lateral reassignments for current DP-4s. If a senior DP-3 (above step 13) is selected, the employee may be given a temporary promotion for the duration of the assignment. Technical Advisor positions are lateral reassignments for current DP-3s.

Interested applicants should file a data package with a single-page summary of qualifications and biographical information and detailed information of the type normally found in the Standard Form 171. Total package size may not exceed 10 pages. Applications should be delivered to Code 730000D (Saundra Wydra, Building 2335, Room 202, 939-2434) or Code 731000E (Lillian Cabello, Building 211, 989-3347) by COB 11 July 1996.

Questions concerning these positions should be directed to Carroll Watson (Code 522100E) at (805) 989-8148 (DSN 352-8148) or John LaMarr (Code 455130D) at (619) 939-4882 (DSN 437-4882).

overlap problems, primary signals versus background signals; (7) hybrid systems and subsets; (8) calculating the required specification for each type of parameter simulated; (9) point of view (of enemy weapons, friendly EW devices, operators, how each sees an engagement, the application of spherical trigonometry); (10) generation of dynamic scenarios.

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

SKILLS FOR CONFLICT RESOLUTION (16 hrs.)

21-22 August; Wednesday-Thursday, 0800-1600; Training Center, Bldg. 366, Point Mugu.

This course is designed to assist supervisors effectively handle conflict situations on the job and in all interpersonal relationships. Skills will be presented in communicating under pressure, particularly with aggressive and manipulative behavior, and negotiating disagreements on a win-win basis.

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).

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).

EMPLOYEE ASSISTANCE RESOURCES

Employee Assistance Resources

Worried about your job future? Do you want to take charge of your career in these uncertain times? Many resources are currently available to employees at China Lake and Point Mugu. Check the chart below and call the number listed for more information and assistance.

What Are You Looking For?	Where Can You Find It?	Who Do You Call?
Career Counseling	NAWCWPNS Employee Development Division	939-2359 (CL); 989-3984 (PM)
	Community Colleges Career Centers	
Job Information	Career Transition and Resource Centers (CTRCs)	939-2359 (CL); 989-3982 (PM)
Job Bulletin Boards, Government and Private	Transition Assistance Management Program (TAMP)	939-0966 (CL); 989-1022 (PM)
Industry Jobs	Employment Development Department (EDD), State of California	446-2593 (CL); 382-8610 (PM)
Job Search Techniques	Career Transition and Resource Centers (CTRCs)	939-2359 (CL); 989-3982 (PM)
Networking Applications: SF-171/OF-612/	Transition Assistance Management Program (TAMP)	939-0966 (CL); 989-1022 (PM)
Resumes Interviewing Skills	Employment Development Department (EDD), State of California	446-2593 (CL); 382-8610 (PM)
Job Market Information Defense Outplacement Referral System (DORS)	DORS Program Manager	939-2265 (CL)
Retirement Counseling Benefits	Personnel Management Advisors and Assistants	939-2264/2265 (CL); 989-3311 (PM)
	Employee Relations Retirement Experts	939-2574 (CL); 989-3323 (PM)
Financial Counseling	NAWCWPNS Employee Development Division (Training)	939-2359 (CL); 989-3982 (PM)
Stress and Personal Counseling	Civilian Employee Assistance Programs (CEAP)	939-2574 (CL); 989-7708 (PM)
Training	NAWCWPNS Employee Development Division	939-2359 (CL); 989-3982 (PM)
	Job Training Policy Council (JTTC)	446-2593 (CL); 981-8764 (PM)

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).

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.

INVESTING IN THRIFT SAVINGS PLAN AND ON YOUR OWN (8 hrs.)

9 July; Tuesday, 0800-1600; Training Center, China Lake. By: Charla Green, CFP

The instructor will explain the operation and advantages of the Thrift Savings Plan, concentrating on how the three plan funds can fit into a personal investment portfolio. Historical data on risks and rates of return will be presented to help federal employees choose an allocation strategy. Debt reduction, insurance, taxes, and several additional investment opportunities will be discussed. Participants will learn ways to reduce investment risk and how to choose and purchase a mutual fund.

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

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

9-10 July; 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).

PRE-RETIREMENT SEMINAR (16 hrs.)

9-10 July; Tuesday-Wednesday, 0800-1630; Training Center, Bldg. 366, Room 100, Point Mugu. By: Labor/Employee Relations, Code 731000E

This seminar consists of several presentations. The seminar covers the Civil Service system federal employees health and life insurance programs; thrift savings plan, social security/medicare; estates, trusts, and wills; psychological aspects of retirement; health and retirement; financial planning and investments; income tax laws; small business development; "revolving door" statuses; and information especially valuable to retirees/seniors. To derive maximum benefits participants are encouraged to attend all presentations.

Spouses of enrollees are also encouraged to attend if space permits. This seminar is designed to understand the retirement system and to decide on the kind of planning that is right for them, to provide the information necessary for employees to make the correct decisions to provide for a successful retirement.

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).

EFFECTIVE PRESENTATIONS (16 hrs.)

9-10 July, Wednesday-Thursday, 0800-1600; Training Center, China Lake. By: OCPM

Note: Meets SEDP requirement. This course will present specific concepts and techniques to assist employees in strengthening their personal performance during organization presentations. Participants will learn methods to

conquer and calm fears of public speaking and enjoy the opportunity of sharing ideas through effective presentations. Topics will include mechanics of the delivery, effective openings and closings, use of humor in winning your audience, evaluation visual aids, and relaxation techniques.

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

ELECTROMAGNETIC RADIATION HAZARDS AWARENESS (UPDATED) (16 hrs.)

15-16 July, Monday-Tuesday, 0900-1600; Training Center, China Lake. By: R&B Enterprises

This course will provide information on the potential hazards to humans from electromagnetic radiation, sometimes called "microwave radiation." This knowledge should enable the participants to intelligently deal with any RADHAZ problems that he/she encounters. The material covered includes background information, requirements, definitions, permissible exposure limits, electromagnetic fields, calculation of electromagnetic fields, measurements, protective measures, reporting of overexposure, and Navy RADHAZ-related organization.

To enroll, call Pat Oliver at (619) 939-2468 (DSN 347-2468).

ADMINISTER THE ORACLE 7 DATABASE I (40 hrs.)

15-19 July; Monday-Friday, 0800-1600; Training Center, PC Room, Point Mugu. By: Oracle Corp.

Prerequisites: Introduction to Oracle: SQL, SQL*Plus, and PL/SQL.

Participants will be introduced to the Oracle 7 server architecture and will learn to create and start up a database, add users, expand the size of the database, implement basic security measures, and perform simple backup and recoveries. Topics include develop system architecture, prepare to install and create a database, manage a database, manage logical and physical storage, and manage database users.

Note: China Lake class is full. **Space Available:** Five slots at Point Mugu.

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).

INERTIAL NAVIGATION AND GUIDANCE (40 hrs.)

15-19 July; Monday-Friday, 0800-1600; Location TBD, Point Mugu. By: West Coast University (Dr. Gerald Shaw)

This is an intensive and comprehensive 5-day course in guidance, navigation, and control theory and application. The attendee should have a strong background in math and some familiarity with linear systems. The course will commence with an introduction of classic mechanics and kinematics and a brief history of navigation. The concept of inertial navigation will be developed, and a wide range of gyros and accelerometers will be described along with their dynamic behavior and error

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.

PERSONAL SOFTWARE PROCESS (112 hrs.)

15-19, 24, 31 July; 26-30 August; 4, 18 September; Monday-Friday, Wednesday (4), 0800-1700; Family Service Center, Room G, China Lake. By: Jeff Schwab

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 software engineering. By using their own data, participants learn 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 an industrial software process that is based on quality management principles and is designed to be used by an individual software engineer.

Note: Tuition fee is \$150 and includes the cost of the textbook and the materials that will be provided throughout both the introductory and advanced classes. Include a job order number on the training request.

Deadline: 8 July

This presentation will be offered at the Point Mugu site starting in the fall. Scheduled dates, time, and location will be announced in this publication at a later date.

To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Jeff Schwab, Code 52C000D. For further information, call 939-6226 (DSN 437-6226).

OFFICE OF CIVILIAN PERSONNEL MANAGEMENT (OCPM) WESTERN REGION

The following courses are available to all NAWCWPNS 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.

15-19 July	Introduction to Employee Relations
22-25 July	Civilian Personnel Management Field Institute (CPMFI). <i>This course is targeted to military managers who are responsible for managing and supervising civilian employees of the DON. The CPMFI addresses the employment life of a civilian employee; specifically, how and when personnel management and equal employment opportunity affect the individual and his/her relationship with supervisors and management.</i>
30-31 July	Pay Setting Course
5-9 August	Basic Instructor Training
15 August	Equal Employment Opportunity (EEO) for Mid-Level Manager
20-22 August	Labor Relations for Line Managers
17-18 September	Employee Development for Supervisors
17-19 September	Introduction to Labor Relations
23-26 September	Civilian Personnel Management Field Institute (CPMFI)

models. Analysis and applications for both stable platform and strapdown mechanization will be studied. Models of the size, shape, and gravitational field of the earth will be introduced, and their effects on inertial navigation accuracy will be quantified. Optimal filtering and estimation

techniques will be presented, and the Kalman filter will be derived. The need for external aids and techniques for developing integrated systems will be investigated. Integrated inertial and GPS systems will be emphasized. Following the study of navigation, the course will proceed with

the study of dynamics, stabilization, and control of flight vehicles; finally, several approaches to developing guidance laws will be studied. Throughout the course, emphasis will be placed on the use of software tools and simulations to aid in both the analysis and design of inertial navigation systems. Several sessions will include hands-on exercises using MATLAB and other software tools.

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).

WORD 5.0 FOR MACINTOSH UPGRADE TO 6.0 (8 hrs.)

16 July; Tuesday, 0800-1600, Training Center, China Lake

Prerequisite: Experience using Word 5.0 for Macintosh.

This class is designed for people familiar with the Word 5.0 for Macintosh program who now have the Word 6.0 version.

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

FILES IMPROVEMENT AND RECORDS DISPOSITION (8 hrs.)

16-17 July; Tuesday-Wednesday, 0800-1130; Training Center, Room 203, China Lake. By: Pam Williams

This class is designed to help record-keepers understand and apply basic rules related to filing. Topics covered are standard filing procedures; eliminating needless filing; cross-referencing; indexing; and using filing aids such as color codes, labels, file guides, and recommended file folders. Use of the Navy Standard Subject Identification Code and microfilming, identification of record material, disposal of records, and use of the Federal Records Centers for storage will be discussed.

Deadline: 11 July
To enroll or ask questions, call Sue Murray at 939-2349 (DSN 437-2349).

DEFENSE BUSINESS OPERATIONS FUND (DBOF) (24 hrs.)

16-18 July; Tuesday-Thursday, 0800-1600; Location TBD, Point Mugu. By: Leon Manton

This course will help the student develop a basic understanding of the DBOF.

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).

WORD 6.0 FOR MACINTOSH ADVANCED (16 hrs.)

18-19 July; Thursday-Friday, 0800-1600; Training Center, China Lake

This class is designed for experienced users who desire to enhance their skill level with the Word 6.0 for Macintosh program.

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

IR/RF TECHNOLOGY (32 hrs.)

22-25 July; Monday-Thursday, 0800-1600; Training Center, China Lake. By: Attridge Electronics, Inc.

This course provides a short overview of infrared (IR)/radio frequency (RF)

technology principles that are encountered in ever increasing and varied applications. The course will provide an overview of principles applicable to future and state-of-the-art systems. Fundamentals of IR/RF systems will be explained from the application and engineering point of view. Thermal imaging systems and RF building blocks are two topics that will be highlighted. Major topics include (1) Introduction to IR/RF, (2) Fundamentals of IR, (3) IR Sources, (4) Thermal Signatures, (5) Cryogenic Sensors, (6) Thermal Imaging systems, (7) Present and Future Direction of Technology, (8) Fundamentals of RF, (9) Microwaves, (10) RADAR; (11) Building Blocks, (12) Applications, and (13) Present and Future Direction of Technology.

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

DIGITAL CIRCUITRY SYSTEMS (32 hrs.)

22-25 July; Monday-Friday, 0800-1600; Bldg. 366, Room 100, 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).

INERTIAL NAVIGATION AND GUIDANCE (40 hrs.)

29 July-2 August; Monday-Friday, 0800-1600; Training Center, China Lake. By: West Coast University

This is an intensive and comprehensive 5-day course in guidance, navigation, and control theory and application. The attendee should have a strong background in math and some familiarity with linear systems. The course will commence with an introduction of classic mechanics and kinematics and a brief history of navigation. The concept of inertial navigation will be developed, and a wide range of gyros and accelerometers will be described along with their dynamic behavior and error models. Analysis and applications for both stable platforms and strapdown mechanization will be studied. Models of

CPR AND FIRST AID CLASSES OFFERED AT CHINA LAKE

In an effort to train as many China Lakers as possible over a relatively short period of time, the Naval Air Weapons Station Safety Office (Code 824E00D), in conjunction with Cerro Coso Community College, will be presenting American Red Cross cardiopulmonary resuscitation (CPR) and combination CPR/first aid classes from 17 June through 22 August. Classes will be running Mondays through Thursdays between the dates listed above. Classes will be presented at the China Lake Safety Office, Building 00465. CPR classes are 4 hours long, while the combination CPR/first aid classes are 8 hours long. There is no cost involved in participating in the classes, and they are open to the community.

CPR and first aid saves lives. You will become a very important part of the emergency care team as you learn the practical skills to render appropriate, life-saving care.

To obtain more information or to sign up for a class, call the Safety Office at 939-2315. Class size is limited so sign up early.

CPR AND FIRST AID CLASSES OFFERED AT POINT MUGU

CPR, BASIC PROVIDER (8 hrs.)

0800-1600; Trailer 10076, Point Mugu.

The following classes are for individuals who need to be certified in CPR and do not have a valid CPR card.

9 July (Tuesday)	1 August (Thursday)
10 July (Wednesday)	5 August (Monday)
16 July (Tuesday)	6 August (Tuesday)
17 July (Wednesday)	7 August (Wednesday)
22 July (Monday)	13 August (Tuesday)
23 July (Tuesday)	14 August (Wednesday)
24 July (Wednesday)	
30 July (Tuesday)	
31 July (Wednesday)	

To enroll, submit an On-Board Training Request to Jim Diderrich at 989-3994, Code 733000E at least 2 weeks prior to the date of the class.

CPR RENEWAL CLASS OFFERED AT POINT MUGU

CPR, RENEWAL (4 hrs.)

0800-1200; Trailer 10076, Point Mugu.

The following classes are for individuals whose current valid CPR card is about to expire. If your CPR card has expired, you must take the 8-hour class. This class will be offered on the following days.

18 July (Thursday)
15 August (Thursday)

To enroll, submit a copy of your current valid CPR card and a On-Board Training Request to Jim Diderrich at 989-3994, Code 733000E at least 2 weeks prior to the date of the class.

NAVAL AVIATION EXECUTIVE INSTITUTE (NAEI) FY96 SEMINARS

NAEI courses are designed for GM-13/Lieutenant Commanders (or equivalent) and above assigned to the Naval Air Systems Command. All Senior Executive Management Development Program (SEMDP) participants are required to attend certain classes. These participants have priority for available billets. Program costs are funded by NAEI. Travel and per-diem expenses of nominees are funded by their respective 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 from all sites must be submitted to the Employee Development Division, China Lake, by the deadline dates listed below.

COURSE TITLE	COURSE DATES	DEADLINE DATE TO 733000D
The Washington Arena	16-20 September	5 July
NEW - Managing Critical Resources	5 days-TBD based on demand	

the size, shape, and gravitational field of the earth will be introduced, and their effects on inertial navigation accuracy will be quantified. Optimal filtering and estimation techniques will be presented, and the Kahlman filter will be derived. The need for external aid and techniques for developing integrated systems will be investigated. Integrated inertial and GPS systems will be emphasized. Following the study of navigation, the course will proceed with the study of dynamics, stabilization, and control of flight vehicles. Finally, several approaches to developing guidance laws will be studied. Throughout the course, emphasis will be placed on the use of software tools and simulations to aid in both the analysis and design of inertial navigation systems. Several sessions will include hands-on exercises using MATLAB and other software tools.

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

SIMULATION AND MODELING (32 hrs.)

5-8 August; Monday-Thursday, 0800-1600; Training Center, Room 100, Point Mugu. By: ADAMY Engineering (Dave Adamy)

Prerequisites: A general technical background. Some knowledge of engineering math is helpful but not required, since all technical concepts are completely explained.

This is a practical course that presents technical insight into electronic warfare (EW) simulation at a level that is both understandable and useful. The scope of the course ranges from an overview of the various types of simulators to practical details for the specification and system-level design of each of the various types. The course describes hardware, software, and processes in graphical rather than mathematical terms; then it goes on to provide easy-to-use formulas, nomographs, and calculation techniques that allow the course content to be readily applied to everyday technical problems. During in-class exercises, students will deal with real-world problems associated with each type of simulation and modeling. Exercises include specifying an emulator to test an automatic receiver/processor system, performing an engagement analysis for an anti-aircraft missile against an expendable decoy protecting an aircraft, and developing a dynamic scenario. Major topics include (1) Introduction (overview of EW treats, simulation terms, and definitions); (2) types of simulators required (available) and the general configuration and application for each; (3) simulation for training (parametric fidelity required (including timing)), avoiding "negative" training, integration of EW simulators with other training devices, optimizing cost versus performance, i.e., ways to cheat; (4) simulation for T&E (parametric fidelity required (including timing)), saturation issues, computer control and data capture techniques, optimizing cost versus performance, combining training and T&E simulation); (5) simulation techniques (computer simulation of engagements, computer-generated display/control interfaces, fidelity issues); (6) signal emulation (RF techniques/challenges/cost drivers, video, time-sharing assets, blanking/overlap problems, primary signals versus background signals); (7) hybrid systems

and subsets; (8) calculating the required specification for each type of parameter simulated; (9) point of view (of enemy weapons, friendly EW devices, operators, how each sees an engagement, the application of spherical trigonometry); (10) generation of dynamic scenarios.

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).

EXCEL 5.0 FOR MACINTOSH, INTRODUCTION (16 hrs.)

12-13 August; Monday-Tuesday, 0800-1600; Training Center, China Lake.

Prerequisite: Ability to use a Macintosh computer.

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

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

DIGITAL SIGNAL PROCESSING (40 hrs.)

12-16 August; Monday-Friday; 0800-1600; Training Center, China Lake. By: Quintech Corporation (Byron Edde)

Prerequisites: Individuals taking this course should have a working knowledge of calculus and transform methods. Participants should have a sufficient mathematics background to understand the materials presented.

This 40-hour course presents signal processing and the design and integration of signal processing techniques into systems. It is intended for engineers, scientists, mathematicians, and other technical personnel who need information on how signal processes work and how they are applied in systems such as radar, sonar, imaging, and test instrumentation. This course presents the mathematical basis of signal processes, signal processing algorithms and software techniques, and the architecture of modern signal processing hardware. The mathematics and implementations of digital signal processes using integer and floating-point arithmetic will be studied in detail. The use of standard off-the-shelf processors, as well as special-purpose hardware, will be studied. Signal processing software will be furnished to each student. Demonstrations of signal processing techniques will be demonstrated on contractor-supplied computers. The hardware and software necessary to implement the processing methods will also be discussed, including an introduction to the analysis of computation and storage requirements.

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

PRE-RETIREMENT SEMINAR (16 hrs.)

14-15 August; Wednesday-Thursday, 0800-1630; Conference Center, China Lake. By: Labor/Employee Relations Program

This seminar consists of several presentations and videos. The seminar covers the Civil Service retirement system; federal employees health and life insurance programs; Thrift Savings Plan, Social Security/Medicare; estates, trusts and wills; psychological aspects of retirement; health

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
3 July	Earthquake Safety	0800-0900
3 July	Earthquake Safety	0900-1000
3 July	Hazardous Communication Training	1300-1500
3 July	Hazardous Communication Training	1500-1700
9 July	Safety, New Employee Orientation	0830-0930
10 July	Lockout/Tagout	0800-1000
10 July	Lockout/Tagout	1300-1500
18 July	Office Safety and Ergonomics	0800-1000
18 July	Office Safety and Ergonomics	1300-1500
24 July	Back Safety	0800-1000
24 July	Back Safety	1300-1500
8 August	Electrical Safety	0800-1100
8 August	Electrical Safety	1300-1600
13 August	Safety, New Employee Orientation	0830-0930
14 August	Safety, New Supervisory Training	0800-1000
14 August	Safety, New Employee Orientation	1300-1500
20 August	Explosive Safety	0730-1130
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, Power tools, Welding Safety)	1300-1500
26 September	Hazardous Communication Training	0900-1000

and retirement; financial planning and investments; income tax laws; small business development; "revolving door" statutes; and information especially valuable to retirees/seniors. To derive maximum benefit, participants are encouraged to attend all presentations.

Spouses of enrollees are encouraged to attend.

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

Deadline: 8 August
To enroll, submit an On-Board Training Request (NAWCWPNS 12410/2) to Sue Murray, Code 733000D. For further information, call (619) 939-2349 (DSN 437-2349).

WORD 5.0 FOR MACINTOSH UPGRADE TO 6.0 (8 hrs.)

15 August; Thursday, 0800-1600; Training Center, China Lake

Prerequisite: Experience using Word 5.0 for Macintosh.

This class is designed for people familiar with the Word 5.0 for Macintosh program who now have the Word 6.0 version.

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

SIMULATION AND MODELING (32 hrs.)

19-22 August; Monday-Thursday, 0800-1600; Training Center, China Lake. By: ADAMY Engineering (Dave Adamy)

Prerequisites: A general technical background. Some knowledge of engineering math is helpful but not

required, since all technical concepts are completely explained.

This is a practical course that presents technical insight into electronic warfare (EW) simulation at a level that is both understandable and useful. The scope of the course ranges from an overview of the various types of simulators to practical details for the specification and system-level design of each of the various types. The course describes hardware, software, and processes in graphical rather than mathematical terms; then it goes on to provide easy-to-use formulas, nomographs, and calculation techniques that allow the course content to be readily applied to everyday technical problems. During in-class exercises, students will deal with real-world problems associated with each type of simulation and modeling. Exercises include specifying an emulator to test an automatic receiver/processor system, performing an engagement analysis for an anti-aircraft missile against an expendable decoy protecting an aircraft, and developing a dynamic scenario. Major topics include (1) introduction (overview of EW treats, simulation terms, and definitions); (2) types of simulators required (available) and the general configuration and application for each; (3) simulation for training (parametric fidelity required (including timing)), avoiding "negative" training, integration of EW simulators with other training devices, optimizing cost versus performance, i.e., ways to cheat; (4) simulation for T&E (parametric fidelity required (including timing)), saturation issues, computer control and data capture techniques, optimizing cost versus performance, combining training and T&E simulation); (5) simulation techniques (computer simulation of engagements, computer-generated display/control interfaces, fidelity issues); (6) signal emulation (RF techniques/challenges/cost drivers, video, time-sharing assets, blanking/