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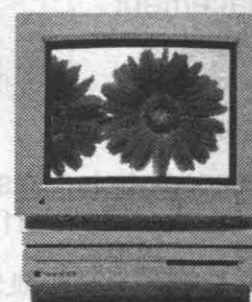
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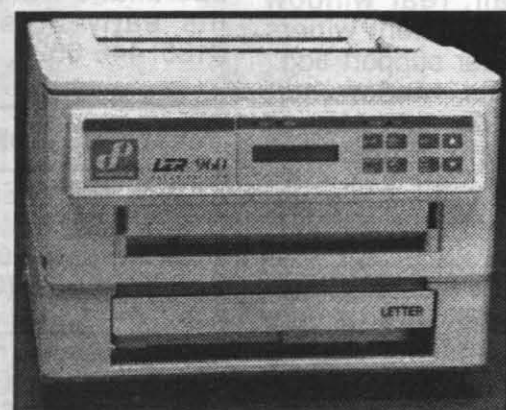


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THE ROCKETEER

THURSDAY, JULY 29, 1993

NAVAL AIR WEAPONS STATION, CHINA LAKE

Vol. 49, No. 15



TID Photo by Tim Tyson

FINAL FLIGHT? After hitting him once with a two-second burst from their water cannon, Engine No. 2 chased Capt. B.J. Craig for another shot but in the end took pity and let him get away. The traditional downsing took place last Friday following what was supposed to have been the NAVWS CO's final flight before his retirement August 12 at the change of command ceremony. Sources close to Craig, however, said they doubted the flight would truly be his last before he leaves. A farewell dinner party and roast will be held in Craig's honor August 10 beginning at 5:30 p.m. at The Seafarer. A steamboat round buffet will be served at 6:30 with the program beginning at 8:30. Tickets are \$11 per person and may be purchased from Protocol, PAO, NAVWS Command Office and Aircraft Department Office.

VX-5 Change of Command Capt. Ronnie takes over as Vampire CO

By Barry McDonald
Editor

Taking the helm at Air Test and Evaluation Squadron Five Tuesday, Capt. Scott C. Ronnie began his second Navy tour in the desert. VX-5's new commanding officer's last duty tour was as executive officer at Naval Strike Warfare Center, Fallon, Nev., from 1990 to 1992.

Ronnie replaced Capt. Garth A. Van Sickle, who became the Vampires' CO in September 1991. Van Sickle is now headed for the Air Warfare Division of the Office of Naval Operations in Washington, D.C.

The new CO met the local press last Monday where the attention focused on the consolidation of VX-4 from Point Mugu with VX-5 to become VX-9. Three F/A-18 Hornets and 50 personnel from VX-4 will move to China Lake this fall with another 50 following next spring.

"The mission of VX-5 isn't changing," he said. "We're just combining the functions of the two squadrons. The situation will be quite workable. This command has seen a number of changes. I see it as truck going down the road, and we'll just be adding another trailer."

He explained that while VX-5 has primarily focused on T&E of air-to-ground strike weapons, VX-4 has focused on air-to-air weaponry. These roles will be consolidated, and as digital technology has allowed the Navy to become more dependent on multi-mission aircraft, such as the Fighter/Attack Hornet, this consolidation into a multi-dimensional squadron will ultimately benefit the taxpayers by eliminating duplication and overlapping efforts.

He said as the DoD budget goes down it's likely testing of new systems will decrease, but that qualification testing of upgrades and product improvements will continue and perhaps increase. So he expects the workload to stay about the same, which means the squadron will have a lot to do. "I suspect in the near term we're going to stay real busy."

Please see **RONNIE**, Page 5

O'Laughlin earns Meritorious Civilian Service Award for distinguished career

By Peggy Shoaf
Staff Writer

In recognition of his long and distinguished career and his contributions to the U.S. Navy, Lee O'Laughlin, head of the Naval Air Weapons Station China Lake Fire Division, received the Navy Meritorious Civilian Service Award July 8.

In a ceremony at Fire Station One, RAdm. William E. Newman, Naval Air Warfare Center Weapons Division Commander, told O'Laughlin, "It is with great pleasure that I present you with the highest honor I can give. . . . Your outstanding contributions throughout your career have played a significant role in improving fire protection aboard our carriers and in helping to reduce fire loss in the U.S. Navy."

O'Laughlin's contributions include the establishment of the Mini Deck, a fire-fighting test facility located west of the dry bed of China Lake. This facility, simulating an aircraft carrier deck, provides an actual firefighting research and development test site.

According to the nomination letter written by Roy Parris, head of the Safety and Security Department, O'Laughlin has planned and coordinated dozens of series of tests for the past several years. One series in particular consisted of more than 300 test fires.

"Test preparations require technical expertise in addition to leadership qualities," Parris wrote. "The testing phase is very dramatic and always contains an element of danger. The results of these tests have assisted the fleet in determining the best firefighting methods when dealing with ordnance and aircraft carriers. Tests have been accomplished with such precision and professionalism that the Naval Research Laboratory, Naval Sea Systems Command and Naval Air Systems Command continually provided funding and support for Mini Deck upgrades and additional testing."

Parris also noted that providing adequate firefighting capability on the flight deck of aircraft carriers is one of the most challenging endeavors in the fire protection profession.

Please see **O'LAUGHLIN**, Page 10

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■ Rivers, Ames bring home the Gold	22

Weather

	Max.	Min.	Gusts	Humidity
Wed	106	62	26	36-08%
Thurs	—	—	31	—
Fri	—	—	—	—
Sat	—	—	—	—
Sun	102	57	22	—
Mon	104	62	19	27-08%
Tues	103	64	26	37-10%
Wed	99	65	16	33-11%
Thurs	103	59	17	45-10%
Fri	105	66	22	42-18%
Sat	104	71	14	—
Sun	104	72	21	—
Mon	107	68	16	55-12%
Tues	106	71	15	55-11%



China Lake Calendar

Thursday, July 29

• Rap session with RAdm. William E. Newman, 11:30 a.m., Room 1000D, Michelson Laboratory

Thursday, August 5

• Graduation Recognition Presentation, 1-1:40 p.m., Room 1000D, Michelson Laboratory

Friday, August 6

• "Stiff Kitty" performs at Seafarer Club, 9 p.m., \$2 cover charge

Tuesday, August 10

• Capt. Craig's Farewell Party, Seafarer Club, 5:30 p.m.

Thursday, August 12

• NAVS Change of Command, Admin lawn, 8:30 a.m.

Coming Events

Friday-Sunday, Nov. 5-7

• 50th Anniversary Celebration

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BARRY McDONALD

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Staff

KATHI RAMONT

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The Commanding Officer's Desktop



The Commanding Officer's Desktop is a forum for China Lakers who have questions of broad interest. It is not the intent of this column to circumvent the normal chain of command. Questions may be mailed to "CO's Desktop," C/O Code C08033, NAVS, China Lake.

QUESTION

Some of my PW friends have pointed out a problem. The Navy has several vehicles with government license plates. Some of these vehicles do not carry proper registration, as required by California DMV. If these vehicles never leave the base, this may not matter. But some of them sometimes do leave—to go out into town or maybe even on the public highways.

Some of my PW friends are concerned that an innocent driver may get a ticket for this. They have reported the situation to their supervisors; but nothing has happened yet. Maybe you can use your good judgment and your four stripes and get the bureaucracy off its duff and get these vehicles properly registered.

ANSWER

Misunderstandings may have contributed to the concerns you expressed over the licensing of government vehicles. Perhaps a clarification of the unique status of the Federal government's vehicle markings will allay your fears.

Government vehicles that are properly marked are exempt from the registration license fees for the state of California. A properly marked vehicle will display the following information:

U.S. NAVY

(VEHICLE NUMBER)

FOR OFFICIAL USE ONLY

The markings may be on a license plate or painted on the doors of the vehicle.

Employees operating properly marked government vehicles in an appropriate manner have no concerns about being stopped.

Bring lots of questions to today's 'rap session' with RAdm. Newman

Today (July 29) the Human Resources Department is sponsoring a "Rap Session" with RAdm. William E. Newman, Naval Air Warfare Center Weapons Division Commander, from 11:30 a.m. to 12:30 p.m. in Michelson Laboratory 1000D.

Employees are encouraged to bring a brown bag lunch and lots of questions.

CNO Adm. Frank B. Kelso II issues anti-terrorism warning to personnel

Washington (NNS)—In a Navywide message released July 2 (ALNAV 084/93, DTG 022156Z Jul 93), Acting Secretary of the Navy and Chief of Naval Operations Adm. Frank B. Kelso II issued an anti-terrorism warning to all personnel. The text of the message is as follows:

"Recent threats of terrorism in the U.S. highlight the need for continued vigilance by all hands everywhere. In many areas, the Navy is the most visible symbol of the U.S., and ship visits, open houses and holiday routines may draw greater attention to our presence and increase our vulnerability to terrorist activity. Commanders should ensure security measures are consistent with the current environment and Navy personnel are cautioned to exercise greater vigilance. Any suspicious activity or parcels should be promptly reported to appropriate security authorities."

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Pages From The Past

July 29 & Aug. 5, 1983

Robert Hillyer, former NWC technical director and then director of Navy labs, was named technical director at NOSC in San Diego. . . Capt. R.P. Flower will relieve Capt. P.F. Hollandsworth as commanding officer at VX-5 next week. . . VADM. James Busey took command of NAVAIRSYSCOM last week. . . James E. Colvard, former China Lake division head, was awarded the DoD Distinguished Service Award.

July 27 & Aug. 3, 1973

Twice in the past week the China Lake Mountain Rescue Group had to bring mountain climbers to safety; once they needed help from Lt. Col. Jack Pipa, USMC, in the China Lake SAR helo. . . Housing rents at NWC were increased an average of 41 percent, pending a local appeal. . . Fred Camphausen, of Code 5113, was among those climbing Alaska's Mt. McKinley last month. . . Mark Ford, son of Mr. & Mrs. Bernard Ford, is now Midshipman Ford at the Naval Academy.

July 26 & Aug. 2, 1963

NOTS medallions saluting President Kennedy's visit will be sold at Maturango Museum. . . Clarence G. Johnson, Public Works, earned \$300 for a Benny Sugg. . . China Lake Little League Diamond 4 was dedicated as the Charles Blenman Jr. Youth Baseball Park in honor of the Commander. . . Capt. Grady H. Lowe is the new NOTS officer-in-charge at Pasadena. . . Air Force Capt. Ronald Jensen is the new NOTS liaison officer.

July 31 & Aug. 7, 1953

NOTS Commander Capt. Paul D. Stroop has been selected for promotion. . . Southwest Airlines has begun air service between Inyokern and Burbank. . . Revel Manley, a Public Works truck driver, reported a flying jack rabbit broke a window in the cab of a truck near Searles Station. . . Bill McEwan and Sol Skolnik developed an analog computer for the Station's Research Department. . . Since 1951, the Ghost of Charlie has roamed the recesses of Thompson Lab, leaving opened doors and windows, noted lab guards.

Fees increase at local college

California's recently-adopted budget includes a fee increase for community college students, including those attending Cerro Coso Community College. The student fee increase is \$3 per unit from \$10 to \$13 per semester credit unit.

For those students with bachelor's degrees, there is no change in the \$50 per unit cost that was instituted by the legislature in January 1993.

The new fee goes into effect immediately and applies to all fall term enrollees, including those reg-

istered prior to the Governor's signature.

All students who have already enrolled and paid for fall 1993 semester courses at Cerro Coso Community College will be sent a statement/invoice reflecting the increase in fees from \$10 to \$13 per unit. The statements were mailed out July 19, and the deadline for payment is Friday, August 13. Non-receipt of payment will result in the student being dropped from classes. Cerro Coso College classes begin Monday, August 16.

Miramar air show tickets are on sale

Seating tickets for the 1993 NAS Miramar Air Show are on sale. The NAS Miramar Air Show is scheduled for August 14-15.

More than five hours of continuous flight demonstrations, including the Navy's Blue Angels Flight Demonstration Team, will highlight the event.

Admission and blanket seating for this spectacular event are free.

Flightdeck Chalet seating provides first-class treatment, including a picnic-style lunch, sodas and water and a complimentary air show program. Tickets are \$25 in advance, and \$30 the day of the show.

Box seats offer an unmatched view of the air show. Seating is reserved and preferred parking is included. Box seats are \$12 each or \$14 the day of the show.

Advanced grandstand tickets are \$5 each for fewer than 10 tickets or \$4 each for 10 or more tickets. Grandstand seats for children 6 and under are \$3 each. Tickets are \$6 for adults and \$3 for children the day of the show.

Air show seating tickets are sold by mail order before July 31 and through Ticket-Master. Mail order forms can be obtained by calling (619) 537-4126. For general air show information, call (619) 537-NAVY.

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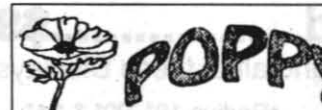
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COMMUNITY EVENTS

The cast and crew of the joint Cerro Coso Community College/China Lake Players production of "Annie" will be on stage July 30, 31, August 1, 6 and 7. Tickets for the family-oriented musical are on sale at the Cerro Coso Business Office and The Village Book Shelf, 901 N. Heritage. General admission is \$6; children, seniors, students and enlisted

military admission is \$5. Tickets must be purchased for the specific night attendees plan to see the show. Evening performances July 30, 31, August 6 and 7 begin at 7:30 p.m. The Sunday matinee August 1 begins at 2:30 p.m. All performances are in the Cerro Coso Community College Lecture Center.

####

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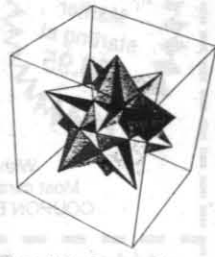
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Artist Don Banfield will hold an oil painting class Friday, July 30, from 9:30 a.m. to 4:30 p.m. at 325 S. Downs. The fee of \$35 per person covers instruction, materials, loan of equipment and includes a 16" x 20" canvas. Call 375-7301 to register.

####

On August 2, the China Lake Astronomical Society will feature a talk on astrophotography by Monsignor Ronald Royer, a well known amateur astronomer and astrophotographer. Royer will cover comets, meteor showers and super novae. The meeting will be held at 7:30 p.m. at the Maturango Museum.

####

Pregnancy screening services will be offered by the Kern County Health

Department, 250 W. Ridgecrest Blvd., August 3, 10, 17 and 25 by appointment only. Appointments may be made by calling 375-5157. Services include pregnancy testing, counseling, health education and referral information. There is a \$5 charge for each pregnancy test.

####

Immunization clinics will be held at the Kern County Department of Health, 250 W. Ridgecrest Blvd., from 9:30 to 11 a.m. and from 1 to 2 p.m. August 12 and 26. The charge for immunization is \$3 each, with a maximum charge of \$15 per family, per visit. Records of previous immunizations should be presented, and a parent or legal guardian must accompany persons under 18 years of age to sign consent forms.

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Adios!

NAWS says farewell to another 10 shipmates (see Page 4, too)

Capt. Karl Volland ends career after 27-year hitch

By Steve Boster
Managing Editor

For Capt. Karl F. Volland, a navy career, despite graduation from the Naval Academy, wasn't part of his plan for the future in 1967. "My plan was to serve four years and one second," he said at his retirement ceremony on July 15. He concluded his career as director of the Naval Air Warfare Center Weapons Division's Aircraft Weapons Systems Directorate, with departments at both Point Mugu and China Lake.

What happened to turn a four-year sojourn into a 27-year career? The simple explanation is that he had "a heck of a lot of fun," and didn't want to leave.

In remarks as he ended one career, Volland explained it really boiled down to four key factors: opportunity, flying, the people and his family.

The U.S. Navy gave the young Karl Volland the opportunity to learn, to travel and to grow as a person.

The Navy then let him fly. He quickly fell in love with flying. It is, he noted, a subject he could talk about for hours. He flew the F-4 Phantom into combat. He called it the "best aircraft we ever built." Then came hours in the cockpit of the F-14 Tomcat, the "Cadillac" of aircraft. And, finally, at China Lake as a member of the NAWCWPNS team, he was put in the F/A-18 Hornet. This, Volland said, "is the aircraft of the future for naval aviation."

Third on his list are the people, military and civilian, officer and enlisted, who made and continue to make the Navy special.

Last, but far from least, came his family. "I'm especially pleased all my family could be here today, including my parents who came in from the east coast. They have been the steam that drove the engine and have been the foundation of my career."

LCdr. Jeff Crutchfield leaves with no fear

By Barry McDonald
Editor

Saying he was a "hard core" Crutchfield fan, Cdr. Thomas N. "Smooth Dog" Vaughn, commanding officer of Strike Fighter Squadron 27, led off the festivities at the retirement of LCdr. Jeffrey J. Crutchfield July 19 on the Headquarters Building lawn. Vaughn said he'd known Crutchfield and his wife, Debbie, for 10 years and it was a blessing to have crossed their paths.

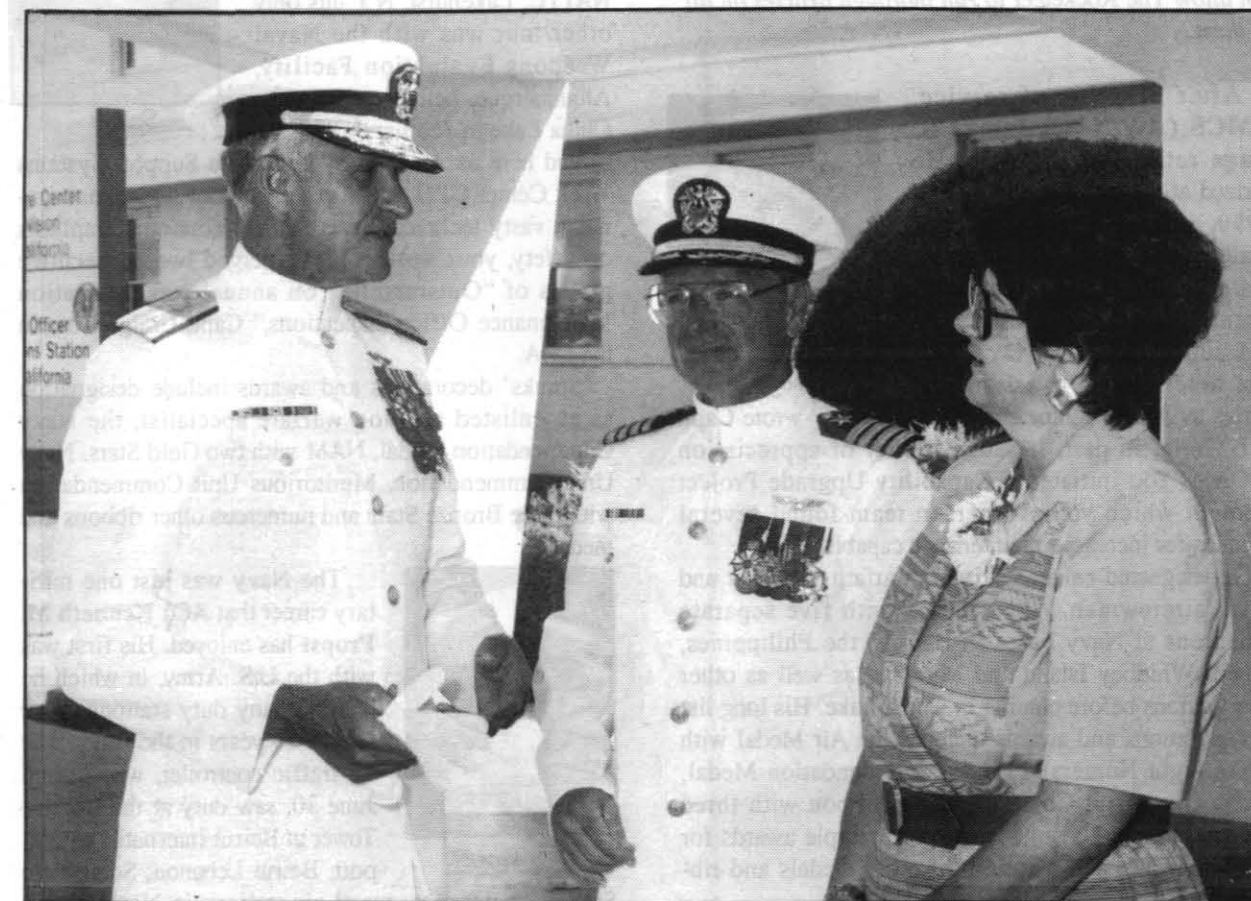
He praised Crutchfield for his "natural and seasoned leadership talent" and for his work with young sailors. "Jeff has reenlisted more sailors than any other officer I know of," he said, "and it was his enthusiasm and the support he gave them that made them want to stay in."

To highlight his contention that Crutchfield was a "number one strike

fighter pilot," he told a story on himself about when the two of them were training at Lemoore in F/A-18s. "He was chasing me, and we were both in a tight left hand turn pulling as many Gs as we could handle," he said. "And neither one of us could get lined up on the other, so I figured we'd have to call it a draw. Then he backed off on the throttle and pulled his nose around on me and got a shot." He said he'd never thought about backing off on the throttle. "He went on to test pilot school and I went to Aerodynamics 101," he said.

Vaughn closed by reading a verse he said described Crutchfield and his way of life far better than he could. It painted the retiring lieutenant commander as gentle, kind, strong, forgiving, understanding, loving, courageous, happy and easy going. He added that while Crutchfield had accomplished all his goals in the Navy, his family had always come first.

MILITARY NEWS



Photos by Terry Pascarella

PENSIVE—Capt. Karl Volland appears to be reflecting on his long career, as RAdm. William E. Newman, commander, NAWCWPNS, chats with Mary Volland after the retirement ceremony.

Rear Admiral W.E. Newman, NAWCWPNS Commander, told the retiring captain, and the audience of family, friends and co-workers, that Volland was, "the kind of sincere, hard-driving, straight-shooting officer" any commander would like to have aboard.

The NAWCWPNS commander noted Volland's career had been "a smashing success" and one that had made a difference in many ways.

A Naval Flight Officer and a designated aeronautical

engineering duty officer, Volland was a graduate of the Navy Test Pilot School and earned a master's degree in aeronautical engineering from the Naval Postgraduate School. Much of his career was spent in California with tours in Monterey, Point Mugu, San Diego and China Lake.

He is married to the former Mary Trierweiler of Chula Vista, Calif. They are the parents of twins, Matt and Jenny, and reside in Camarillo.



CRUTCH laughs as Capt. B.J. Craig relates one of his enthusiastic episodes.

Crutchfield entered the Navy at 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

Please see **CRUTCHFIELD**, Page 25

Eight chiefs and other petty officers retire in June and July

Editor's Note: NAWS China Lake and tenant commands are seeing an abundance of 20-year plus military personnel retiring due to new length-of-tenure regulations. Because the numbers of people saying goodbye are so high, space restrictions and timeliness do not allow The Rocketeer to run thorough articles on all of them.

After 21 years of service, **AMCS (AW/NAC) James R. Auge** retired on June 16. He arrived at China Lake in October 1990, assigned to the Aircraft Maintenance Division as Intermediate Level Quality Assurance Branch supervisor and later as QA supervisor. "In May 1992, you were selected to assume the duties as AIMD senior chief petty officer," wrote Capt. B.J. Craig, in part, in Auge's letter of appreciation (LOA). "You initiated a Capability Upgrade Project through which your 10-person team found several avenues for increased maintenance capabilities."



Auge

A designated enlisted aviation warfare specialist and naval aircrewman, Auge served with five separate squadrons at Navy bases in Hawaii, the Philippines, Guam, Whidbey Island and Miramar, as well as other duty stations before coming to China Lake. His long list of decorations and awards includes the Air Medal with Strike/Fight Numeral 2, Navy Commendation Medal, Meritorious Unit Commendation Ribbon with three Bronze Stars, a Navy "E" Ribbon, multiple awards for Good Conduct and a variety of other medals and ribbons.

ADC (AW) Louis J. Gergel Jr. left the Navy June 24 after 23 years. He was assigned as the Support Equipment Branch production chief of China Lake's AIMD in August 1990. He retired as the division's QA/Analysis Branch supervisor. Besides three visits to NATTC Millington in Memphis, Gergel had three tours at NAS Moffett Field with separate commands and one each at naval air stations in Meridian, Miss.; Agana, Guam; Alameda, Calif.; and Miramar. He also served a tour with *USS Constellation*.



Gergel

Among his awards are the Navy Achievement Medal (NAM), Meritorious Unit Commendation Ribbon with one Bronze Star, Navy Expeditionary Forces Medal with one Bronze Star, multiple awards for Good Conduct and a host of other awards.

Six tours with separate squadrons at naval air stations

in Corpus Christi, Lemoore and Agana, Guam, dominated the 25-year Navy career of **PRC (AW) Jerry L. Spinks**, who retired June 30. Besides training at NATTC, Lakehurst, N.J., his only other tour was with the Naval Weapons Evaluation Facility, Albuquerque, before reporting to China Lake in February 1990. He served here as AIMD's Aviation Life Support Systems Work Center CPO. "As a result of your astute management, vasty technical expertise and continual emphasis on safety, your work center received two consecutive grades of "Outstanding" on annual Naval Aviation Maintenance Office inspections," Capt. Craig wrote in the LOA.



Spinks

Spinks' decorations and awards include designation as an enlisted aviation warfare specialist, the Navy Commendation Medal, NAM with two Gold Stars, Navy Unit Commendation, Meritorious Unit Commendation with three Bronze Stars and numerous other ribbons and medals.



Propst

The Navy was just one military career that **AC1 Kenneth M. Propst** has enjoyed. His first was with the U.S. Army, in which he had in 20 years in the Navy. The air traffic controller, who retired June 30, saw duty at the Control Tower at Beirut International Airport, Beirut Lebanon; South Pole Station, Antarctica; naval air stations in Norfolk, Va. and Jacksonville, Fla.; and aboard *USS Guadalcanal*. He came to NAWS China Lake as an air traffic control facility watch specialist in February 1991. Capt. Craig's LOA credited Propst with "many significant and long lasting improvements in the Airfield Operations Division."

Among his awards are two Navy Unit Commendation Ribbons and two Meritorious Unit Commendations and various other Army and Navy awards.

"Joining the Navy and seeing the world" best describes the 21-year career of **AKCS Gil G. Agojo**, who retired July 1. Seeing three tours in the Republic of the Philippines; two at Diego Garcia; one in Rota, Spain; and one in Adak, Alaska; Agojo also served in such exotic places as Albany, Ga. and Key West, Fla., with Reconnaissance Attack Squadron 3. He arrived at China



Agojo

Lake in August 1990 as the Aviation Support Division's leading chief. He also served as watch bill coordinator for the Station's officer-of-the-day.

His decorations include the NAM, Navy Unit Commendation, Meritorious Unit Commendation and others.

Another Navy globe-trotter who retired July 1, after 21 years was **AK1 Juanito A. Desillarico**. Besides two tours at separate stations in Japan, and one each in the Philippines and Diego Garcia, Desillarico did four tours in San Diego and one at NAS Oceana, Va. He served with three separate squadrons and aboard *USS Ranger*. He arrived at NAWS in March 1992, serving as the Component Control Section supervisor. He then served as Awaiting Parts procurement storekeeper and Shipping & Receiving storekeeper.



Desillarico

The Navy Unit Commendation tops his list of decorations, followed by the Meritorious Unit Commendation with three Bronze Stars, the Battle "E" Ribbon and other medals and awards.

While he wasn't stationed overseas, the third sailor to retire July 1, **SK1 Edgardo S. Molato**, spent a lot of his 21-year career aboard ship—*USS Butte*, *USS Carl Vinson* and *USS Niagara Falls*. He also saw shore duty at Little Creek, Va.; Philadelphia; and Moffett Field; before coming to China Lake in July 1990 as Aviation Supply Division leading petty officer.



Molato

His awards include the Meritorious Unit Commendation, five awards for Good Conduct and other medals and ribbons.

HM2 Larry W. Stone, who retired July 9, spent most of his 20 years of service in California—two tours at Camp Pendleton, two at NAS Alameda, and one each at El Toro and Miramar. He served with the Third Battalion Fourth Marines at Okinawa, Japan, and besides other medical training, he graduated from Aerospace Medicine Technician School at NAS Pensacola. Stone arrived at China Lake in June 1990, assigned to the Aircraft Operation Detachment as a hospital corpsman.



Stone

His awards include the Navy and Marine Corps Medal, Marine Corps Unit Commendation, Battle "E" and other medals and ribbons.

CRUTCHFIELD, from Page 1

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 met "Smooth Dog" Vaughn, and 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 in August 1990. He has served as F/A-18 model manager, flight test operations officer and chief test pilot for NAWS China Lake.

Capt. B.J. Craig, NAWS Commanding Officer, echoed what Vaughn had said about Crutchfield but extended it to the whole family. As Debbie Crutchfield was on her way up to the podium so the CO could present her a certificate of appreciation, he said, "She's not just smiling because of the circumstances, that's just the way she looks. She always has a smile on her face. And the whole family always has the greatest looks on their faces. Jim (Crutchfield's son) is a friend of my son and he's been a very positive influence on him. We'll miss all of you in the community."

Craig said while Crutchfield was serene and easy going, he remembered an incident, when he was still serving as Aircraft Department head, that revealed Crutchfield's passionate side. "Some one called me from maintenance and said they had a very mad officer down there. Crutch had been working on a very critical test plan and he jumped over the maintenance desk to get some-

one's attention."

Craig presented Crutchfield with a shadowbox from the officers in the ward room. It contained the flag that had flown over the Capitol on July 12. He also received a retirement pin and certificate of retirement.

When Crutchfield took the lectern, he said he had no fear and no sorrow about the change his retirement would bring. Because it wasn't the biggest change in his life. There was a bigger change. He explained that he had been the average strong-willed teenager and that he got himself into a lot of trouble. He quit high school and joined the Navy. "I wasn't going to let anybody tell me what to do. So I joined the military," he said, earning a chuckle from the audience.

After three and a half years in the Navy and talking to a lot of people at various places across the country, he'd learned three truths. First, he was a sinner and did not have a right relationship with God. Second, that it was possible, and third, that he could have that relationship with God by accepting Jesus Christ. He made the decision to accept Christ and that was the biggest change in his life. He said it has shaped every decision he's made since and he's never had one second of regret.

"I know that things don't happen by chance," he said. "I have a mighty God who's in control."

Besides his wife and son, his four daughters, Beckie, Alisa, Susie and Katie, were in attendance. He introduced his family, thanked them for their support and presented all but Jim a red rose. He thanked Dr. Harry Lewis, of Immanuel Baptist Church, who presented the invocation and benediction, for being a wise pastor. And he thanked Capt. Craig for giving him the opportunity to serve as chief test pilot. "It was the highlight of my career," he said.

Crutchfield has accepted a position with McDonnell Douglas Aircraft Corporation, and the family is headed for Missouri, where they will make their home in St. Charles.

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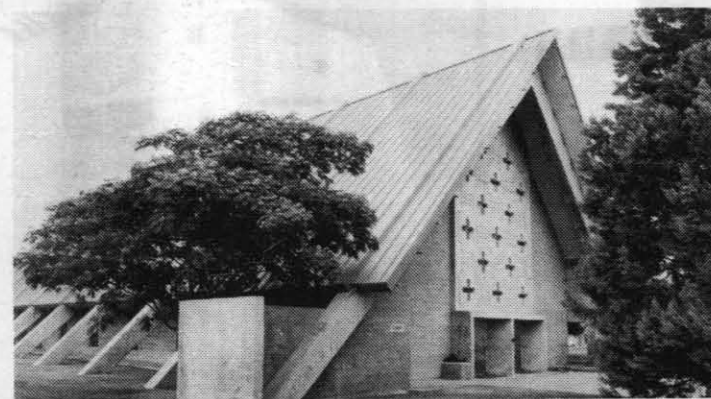
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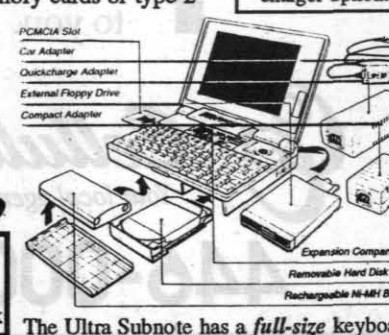
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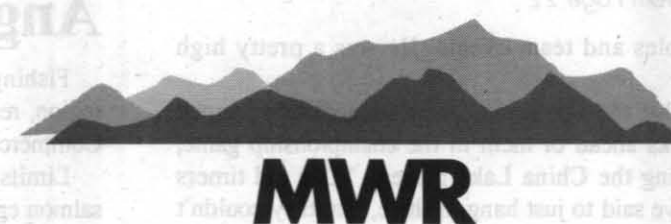
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Youth soccer

Sign-ups start August 1

Youth soccer teams will begin play Sept. 25. Registration for 5- to 14-year-olds will be taken from August 1 through Sept. 9 at the Youth Center. Evaluations will be held at Schoeffel Field from 6 to 7 p.m. Sept. 7 for 5- to 8-year-olds, Sept. 8 for 9- to 14-year-olds and Sept. 9 for make ups. The season ends Nov. 20.

Cost for the second player of each family is \$2 less than the original cost. The original cost is \$16 for dependents of E1-E3, \$17 for E4-E6, \$18 for E7-

E9, \$19 for 01-03, \$20 for 04-05, \$21 for DoD dependents, \$22 for 06 and above and department heads, and \$23 for all others.

In addition, a reversible, yellow-and-blue jersey is required for play. Cost of the jersey is \$12.

A coach and referee meeting will be held at the Youth Center on Sept. 15. Parents and players will be notified of team placements after the coaches' meeting.

Roller hockey

Registration begins next week

Registration for the youth fall season of Roller Hockey begins August 1 at the Youth Center. Eligible players are 9 to 15 years of age. At the time of registration, each player will be assigned a number and a time for the draft for teams which is set for Sept. 20. Play begins Oct. 2 and ends Dec. 4.

Cost for the second player per family is \$2 less than the original cost. Original cost is \$16 for dependents of E1-E3,

\$17 for E4-E6, \$18 for E7-E9, \$19 for 01-03, \$20 for 04-05, \$21 for DoD, \$22 for 06 and above and department heads, and \$23 for all others.

Hockey equipment will be provided if needed. Games will be held on Saturday evenings. Coaches and referees are needed.

For more information, call the Youth Center at 939-2909.

'Stiff Kitty' to play at Seafarer Club

"Stiff Kitty" will be at the Seafarer Club aboard the Naval Air Weapons Station China Lake Friday, August 6. These rock, country and blues artists will play from 9 p.m. to 1 a.m. There

will be a \$2 cover charge. This event is limited to those 21 years of age and older. For more information, call the club at 939-8658.

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Navy News

No dividends paid on SGLI

Washington (NNS)—Rumors, newspaper articles, advertisements and flyers have appeared in some areas of the country alleging that legislation was passed by Congress which entitles veterans to a dividend on their Servicemen's Group Life Insurance (SGLI).

Some flyers and advertisements offer free assistance in obtaining the dividend. This free advice often results in a high pressure sales pitch for life insurance.

Congress has passed no legislation regarding dividends on SGLI, and no dividend is authorized. No one will receive a dividend by submitting the form or by contacting the Veteran's Administration or Veteran's Center.

According to a Veteran's Administration advisory which responds to such inquiries, there have never been any dividends, rebates or refunds due to surplus funds in the SGLI program.

New SRB Program plan is out

Washington (NNS)—The quarterly update of the Navy's Selective Reenlistment Bonus (SRB) Program will benefit more than 5,200 sailors with new eligibility or increased award levels for SRB.

New SRB award levels go into effect August 15 for those with SRB increases, and on Sept. 1 for ratings with SRB decreases.

In the updated plan, sailors in 617 skill areas are eligible to receive SRB. Boiler technicians are back on the list. Other additions are hospital corpsmen qualified as opticians; damage controlmen with a Navy enlisted classification (NEC) of 4805 for shipboard chemical, biological and radiation training; and interior communications electricians with NECs needed for Aegis cruisers and destroyers.

RONNIE, from Page 1

An F-14 contingent of pilots and support personnel from VX-4 will stay at Point Mugu for the time being. That group is in the midst of qualifying the "D" version of the Tomcat, and Ronnie said, it wouldn't make sense to move them until that work is completed. A decision on whether to leave the group at Point Mugu as a VX-9 detachment or bring it to China Lake, also, is due next July.

Ronnie is a native of Minnesota and holds a bachelor's degree in general science from Saint Cloud State University. He was commissioned through the AVROC program and designated a naval aviator in August 1971. His initial assignment was flying A-7E Corsairs at Naval Air Station Lemoore. He completed two tours with VA-146, during which he saw action in Vietnam and was subsequently assigned as an instructor to VA-122.

In 1976 he became an F-4J Phantom pilot and served aboard USS *Ranger*. Then he took a second instructor assignment with VF-121 at NAS Miramar, where he later graduated from TOP GUN. In 1980 Ronnie went back to Lemoore as a member of the F/A-18 Hornet Fleet Introduction Team. Following a tour with VFA-125, he joined VFA-25 as a department head and participated in the first operational F/A-18 cruise aboard USS *Constellation*.

In his next tour he served as XO and then commanding officer of VFA-132. In 1986, he graduated from Strike Leader Attack Training School and the Fleet Tactical Training Center. That same year, embarked aboard USS *Coral Sea*, the squadron participated in operations in the Gulf of Sidra. He then reported to commander, Battle Force Seventh Fleet as air operations officer until transferring to his post at



Capt. Scott C. Ronnie

Fallon. Then he attended and graduated from the Naval War College in November 1992 and the Armed Forces Staff College in February 1993.

He comes to VX-5 after a training track in which he was re-qualified to fly the F/A-18, qualified in the A-6 and "learned the language of operational test."

He said this tour makes two in a row in the desert, and both he and his wife, Susan, enjoy it here. They have a grown son, Mitchell, who lives in Grand Forks, N.D., where his wife is serving a tour with the United States Air Force, and he is working on earning his airframes and powerplants license.

In his off time Ronnie likes to golf, go camping and the outdoors in general. He's a big fan of watching football on television and in person. "The Vikings are opening against the Raiders in Los Angeles this year," he said with a twinkle in his eye, and indicated he might just be there for that one.

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By Peggy Shoaf
Staff Writer

Teamwork can get things done, but it is the individual leadership of a team that makes it work. Sterling Haaland told the people attending the L.T.E. Thompson and William B. McLean awards luncheon on July 1. During the ceremony, nine Naval Air Warfare Center Weapons Division employees were recognized for that type of leadership by Capt. Douglas W. Cook, then NAWCWPNS Vice Commander, and Haaland, deputy commander for research and development.

Receiving the Thompson Award were Charles F. Markarian, Leroy M. Stayton, Lee N. Gilbert, Karen L. Higgins, John C. Weaver and Gaylon E. Ryno. McLean Award recipients were Fay A. Hoban, Dr. Geoffrey A. Lindsay and Amos J. Diede.

Capt. Cook mentioned this was the first time these awards have been given out since the establishment of NAWCWPNS. Employees from all NAWCWPNS sites are eligible to receive these awards. Winners are picked by an award board which consists of the NAWCWPNS vice commander, deputy commander for research and development, deputy commander for test and evaluation, services information director and the commanding officers of the two Naval Air Weapons Stations.

L.T.E. Thompson Award

In 1956 the commander of what was then known as the Naval Ordnance Test Station established the Thompson Award as the station's highest recognition for outstanding individual achievement, recognizing an individual's outstanding contribution to the advancement of ordnance. It may be given for a single outstanding

achievement or for continued excellence of performance.

Markarian, who is head of the Ordnance Systems Department's Technology Program Management Office, was recognized with the Thompson Award for his leadership role. "Under your participative leadership, propulsion and ordnance technology projects have made significant progress, being frequently featured in the Air Weaponry Block progress reports and resulting in a number of impressive transitions" reads the citation accompanying the award. "Typical transitions include ramjet technology for AAAM, and the propulsion system for SLAT, and insensitive munitions propulsion technology for a product improvement for HARM and the Sidewinder follow-on AIM 9X.

"Based on your national/international reputation in the propulsion technology field, you were selected to serve and have made significant impacts on the direction of the Project Reliance technology activities."

Stayton, a general engineer in the Research Department, received his award for his outstanding leadership, technical achievements and continuing efforts in the advancement of strategic missile propulsion technology for NAWCWPNS.

He was nominated for the award "for his outstanding performance as a team leader and coordinator for work performed for Navy Strategic Systems programs and in recognition of the importance of these activities to the overall defense posture of the United States," reads the nominating letter. "His contributions to Strategic Missile Systems span both technical accomplishments and program management. He has been the China Lake team leader for Trident (both C-4 and D-5), Poseidon and

Polaris activities, and his accomplishments as a technical leader for more than 30 years at China Lake have been of tremendous importance."

The third recipient, Gilbert, received the award in recognition of an exemplary career of excellence and achievement. Gilbert is the associate head of the Attack Weapons Department.

"You are recognized for your major efforts in the field of propulsion and specifically your support of such programs as Condor and the Navy's 6.2 Liquid and Hybrid Missile programs," reads the citation accompanying the award. "As a project engineer, branch head and China Lake's propulsion technology manager, you have contributed for years to research and development efforts in the fields of chemical rockets, air-breathing propulsion and solid rockets. Your efforts have been a major force in keeping NAWCWPNS in the forefront of these fields."

Higgins was honored with the Thompson Award for her accomplishments as head of the Intercept Weapons Department's Sidewinder Project Office.

"You have been instrumental in formulating state of the art technology, balancing requirements versus technology and in communicating with the Navy and Air Force chain of command in order to have a positive influence in the decision making process," reads the citation. "You have exhibited the highest standards of leadership and technical integrity while maintaining a high state of morale through all layers of the project team."

Head of the Intercept Weapons Department's Advanced Technology Exploitation Office, Weaver was honored for his development and leadership of a project

BOWLING, from Page 22

for singles, doubles and team events. He was a pretty high bowler."

Rivers added that the LA County team immediately jumped three or four marks ahead of them in the championship game, further intimidating the China Lake players. "Our old timers from Garden Grove said to just hang in there, that they couldn't keep that pace up," Rivers said. "One of LA's bowlers, probably a 160 bowler, bowled 236 that game. They were really intimidating. The old timers said, 'Hey, don't let it get to you. Just frame by frame, concentrate.'"

The China Lake/Garden Grove team did just that and started its comeback. By the 10th frame, they were tied with the LA County team. With a couple of marks against a couple of open frames, the China Lake/Garden Grove team triumphed, 729 to 718.

Rivers noted he was throwing anchor and by the time it was his turn to bowl, the game was won and he didn't have to mark. "That turned out to be a good thing," he said chuckling. "I don't think I came within two feet of that last pin."

A 178 bowler, Ames bowled a 171 during the championship game. Rivers, who has a 178 average, didn't want to talk about how he did during the game. With a sheepish expression, he finally admitted he only bowled a 148.

Ames immediately spoke up on Rivers' behalf, noting he had pulled the team through during the semi-finals by bowling a two-game total of 405.

"It was a team effort," Ames explained. "When one of us went down, the other team members picked us back up."

Their win didn't earn all cheers, Ames said. "When some of the other guys found out this was our first year of competing, there was a lot of grumbling," Ames said with a self-satisfied smile.

"Not only can you say all four of us had a lot of fun, but we plan on going up and defending our title at Palo Alto next July," Rivers said. "The Garden Grove guys and us all made the commitment to get together and defend our title."

Anglers successful in Eastern Sierra region

Fishing is good throughout the Eastern Sierra region, reads a report from the Bishop Chamber of Commerce.

Limits are being taken from Bishop Creek on salmon eggs and worms. Small Panther Martins are working well in the deeper pools.

Lake Sabrina is starting to clear up and is splashing over the spillway. The usual baits are still working the best.

Perch is still plentiful at the boat ramp on Pleasant Valley Reservoir. Trout teasers with meal worms seem to work the best. Trout fishing has only been fair, with mornings and evenings having the best results. Try using rainbow or green power bait or night crawlers.

Limits are being taken on flies in the early morning at Rock Creek. Rock Creek specials, green mosquitos and olive matukas are doing the best. If bait fishing, dunking a worm or red power bait has been very successful.

Convict Lake is releasing a lot of Alpers fish on orange and rainbow power bait. Small Panther Martins are doing a great job of fooling the fish in the creek.

Don't get caught fishing without a license

More than 500 sport fishing citations were issued by the Department of Fish and Game in May, 379 for fishing without a license in California.

Fishing without a license carries a \$250 minimum fine for first-time offenders. The maximum fine for fishing without a license is \$1,000. Local jurisdictions can also levy additional charges on to

Cooling temperatures are slowing the fish at Crowley Lake. Alligator Point and McGee Bay are the hot spots for trout. Night crawlers, green and rainbow power bait have been the ticket in these areas. If trolling, try using red dot frog needlefish, excels, rapalas or gold Kastmasters. Perch is the game at Hilton Bay and Leighton Springs. Yellow or brown mini jigs are doing best.

Mammoth Lakes have been producing limits on premium power with glitter. The hot lure here is the Thomas Buoyant. Floating crawlers off the bottom have been the main food for trout as well. Try using Kastmasters in Lake Mary, Phobes at Lake George and hot shots or black fury at Twin Lakes.

Fishing is still very good at June Lake. Trollers are using various kinds of needlefish at 4-5 colors. Rainbow power bait is having the best success for bait anglers. The Thomas Buoyant lure and frog needlefish are the hot lures at Gull Lake. If bait fishing, yellow and green power bait have been producing most of the fish. At Silver Lake, worms and marshmallows are taking limits, while gold or perch rapalas, night crawlers and power bait are working best at Grant Lake.

Fish and Game citations that may substantially increase the amount of fines.

Don't get caught fishing without a license. The Craftech Center aboard the Naval Air Weapons Station China Lake sells fishing licenses. Cost is \$23.90 for an annual license, \$8.40 for a daily license and \$3.70 for a bass stamp.

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China Lake takes the 'gold' for bowling competition in the Firemen's Summer Olympics

By Peggy Shoaf
Staff Writer

Assistant Fire Chief Dick Rivers and Lt. Ray Ames brought home more than memories of a good time and the knowledge they played the best they could in the 22nd Annual Firemen's Summer Olympics. They brought home the "gold" in team bowling.

Held in Bakersfield July 20-25, the Firemen's Summer Olympics featured 28 events, including baseball, bowling, cycling, golf, motorcross, soccer, softball, surfing, tennis, track & field, volleyball and waterskiing.

This is the first time the Naval Air Weapons Station China Lake Fire Division had representatives at the "olympics," Rivers said.

"Out of the 4,000 firemen participating, we probably represented one of the smallest paid departments there," said Ames.

In the team bowling competition, Rivers noted four-man teams had to bowl three games in the morning and the top eight teams went on to the semi-finals.

Rivers and Ames joined with two retired firefighters from Garden Grove, Don McPherson and Roger Will, to form their four-man team.

In the semi-finals they put together an 809 in the first game, placing them in the second seed spot, and a 786 in the second game, earning themselves the top seed position.

The top four teams from the semi-finals then went on to play a Professional Bowling Association format, where the number four team played the third ranking team, the winner of that played the second ranking team and the winner of that played the number one team.

In the finals, the Kern County Fire Division team beat the Los Angeles City team, putting them into head-to-head competition with the Los Angeles County team, which won the right to compete against the China Lake/Garden Grove team.

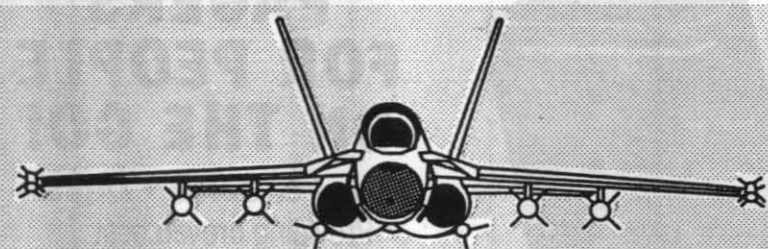
"The LA County team was really intimidating," Rivers said. "They were dressed all in black. The anchor man, Les Josephson, was the all events winner

Please see **BOWLING**, Page 23

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team for advanced technology exploitation that has become widely recognized throughout the Naval Air community as being in the forefront of weapons development.

"The products of your efforts have proved invaluable to planning evolution's for current weapons systems and to concept definition for future weapons systems," the citation reads.

Ryno, head of the Fuze Sensor Systems Division and Fuze Project Office, was recognized for more than 34 years of service to the U.S. Navy in the field of fuze sensor systems.

"From the outset of your career you have been continuously involved in sophisticated fuze antenna design and development," reads the citation. "You were the principal technical contributor to successful continuous slot antenna technology and to the introduction of microwave integrated circuits into the Navy's fuze development program. In addition to your technical accomplishments, you have also served in leadership positions as a branch head, division head and associate department head where you mentored young professionals who now serve as leaders in fuze technology, product improvement and foreign material exploitation."

William B. McLean Award

This award was established in 1968 to recognize outstanding creativity among employees in furthering the mission of China Lake as evidenced by significant inventions.

Hoban, a mechanical engineer in the Intercept Weapons Department's Technology Office/EO-IR, was recognized with the McLean Award for his leadership in the conception and development of fiber-optics as a tactical data link for air-launched weapons.

"Central to this effort was your invention of the dual pay-out technique of releasing the fiber simultaneously



TID photo

INDIVIDUAL ACHIEVEMENTS resulted in L.T.E. Thompson Awards for Charles (Frank) Markarian, Gaylon E. Ryno, John C. Weaver, Karen L. Higgins, Leroy M. Staylor and Lee N. Gilbert.

from the weapons and the launch aircraft to relieve stress on the link," reads the citation accompanying the award. "This concept was developed and successfully demonstrated in a tactical environment."

Lindsay was recognized for his "innovative leader-

ship in polymer science, specifically nonlinear optical polymers, which has furthered the mission of NAWCW-PNS," the citation reads.

"As head of the Polymer Science Branch, Research

Please see **McLEAN AWARD**, Page 17



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Bill Chicky named NSAP's Program Manager of the Year

By Peggy Shoaf
Staff Writer

In a ceremony held at the Pentagon May 28, Bill Chicky was the surprised recipient of the Navy Science Assistance Program's Program Manager of the Year Award for fiscal year 1993. He received his award from Ira Blastine, technical director for the Naval Surface Warfare Center.

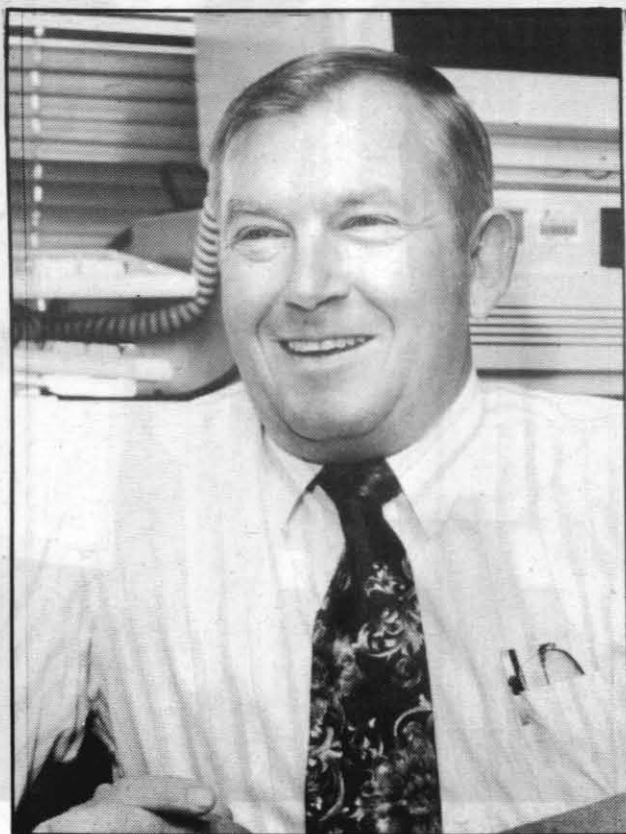
Each year the Navy Science Assistance Program recognizes a Navy laboratory or center NSAP program manager for excellence in fulfilling program goals.

In addition to being the NSAP program manager for NAWCWPNS, the China Lake employee is lead NSAP program manager, where he is responsible for overall program manager activities related to field team recruiting, selection and training.

"Chicky has been outstanding in the coordination and planning necessary to improve cohesiveness in this group," wrote RADM. G.R. Meining, chairman of the Navy Labs and Centers Commanders Group. "He has 'gone the extra mile' in trying to better understand the fleet environment and how NSAP can best operate and has been instrumental in the integration of NSAP products into the Naval Air Warfare Center.

"During his tenure as program manager for NAWCWPNS, he has placed science advisors at all five afloat commands served by NSAP, a technical advisor with the Marine Corps and one at Commander Naval Air Force, Atlantic Fleet—all at once.

"Chicky is quick to answer requests for assistance and has done an outstanding job in technical and financial management. His negotiating skills, patience, dedication and 'can do' attitude have made him an exceed-



Bill Chicky

ingly effective program manager and insured success of the program at NAWCWPNS."

Chicky noted to become a lead program manager for the 23 labs in the program, he had to go through a selection process that involves the director and the other program managers. "They select who they think should run

the program for all of the labs for the next fiscal period," he said.

He was selected as lead program manager in July of 1992 and re-selected in 1993 because of the changes with the reorganization and consolidation of all the other commands. "They felt it would be best to have somebody that was familiar with the work to carry on, so I was nominated and selected to do it again. Unfortunately, there is a lot of travel and lots of work involved, but I can put up with it for one more year."

Part of being a lead program manager is visiting each of the sites where NSAP has field team members. "That means I have to go to all those terrible places such as Japan and Italy," he said with a grin.

Chicky is proud that NAWCWPNS has NSAP advisors at all the sites and feels it is an important boon for NAWCWPNS. "It gives us a good focal point on what is going on in the fleet. You normally don't get a birds-eye view of what is going on."

That "birds-eye view" can be critical to the Center in the future, Chicky said, as with the changing of budgetary figures, most of the money will be going into the science and technology areas of expertise. The direction and flow of dollars will be focused on the needs of the operational commands. "With this kind of focal point, we should at least have an idea of their needs before anything is done," he explained.

Chicky has been program manager at China Lake for almost three years. He noted there is a heavy recruitment process to get the best people they can to send as science advisors.

After making the China Lake selection cut, the candidates then have to go to White Oak, Md., where they

Please see **CHICKY**, Page 9

BRAC recommends closing 130 stateside military installations

By Master Sgt. Linda Lee, USA
American Forces Information Service

The Base Realignment and Closure Commission report recommending closure of 130 stateside military installations and activities went to Congress July 2.

The commission submitted its report July 1 to President Bill Clinton, who approved it the next day and sent it to Congress. The lawmakers can accept the list or reject it, but cannot amend it. The list takes effect automatically in 45 legislative days unless Congress rejects it.

This year's round of base closures began in March when Defense Secretary Les Aspin sent the commission a list of DoD-proposed closures and realignments, as required by the 1990 Base Closure Act. Using the list as a starting point, the bipartisan commission held hearings throughout the United States, conducted independent research and analyzed data on the facilities. It targeted 35 major installations and activities and 95

minor ones for closure.

The commission spared six bases on DoD's list, including Homestead Air Force Base, Fla., and Fort McClellan, Ala. It also voted to realign 45 facilities, but rejected four major DoD-proposed realignments, including New Jersey's McGuire Air Force Base and Fort Monmouth.

Commission officials said the group used eight selection criteria in the process. Priority consideration went to the four factors in the military value category—cost, manpower and current and future mission requirements. The other four dealt with the local community, including the environment and economic impact.

If the list takes effect, whether by congressional approval or default, DoD has six years to close or realign the specified installations and activities. As of mid-1993, 13 major bases of the 44 on the 1988 and 1991 closure lists have actually closed. Another round of base closures and realignments is scheduled for 1995.

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NOTE: Navy Channel 17 continues to highlight China Lake's 50th Anniversary with historical film each programming evening. Watch for NOTS Newsreels in upcoming weeks, scheduled at 5:55 p.m. after Navy News.

Monday-Friday, August 2-6

5:30 p.m.: Navy News
5:55 p.m.: Historical Film: Valley Outlook (1969)

6:00 p.m.: History of the U.S. Navy—War of Independence, 1775-1783

6:26 p.m.: Diamonds: A Chemical Gem, and Train Like You Fight

Monday-Friday, August 9-13

5:30 p.m.: Navy News
5:55 p.m.: Historical Film: Dart: Evening Colors (1971)

6:07 p.m.: History of the U.S. Navy—The Naval Wars With France, 1798-1805

6:33 p.m.: You And The Navy: An Environmental Partnership

TVIS

Programs listed below will be available for viewing on Channel 3 in all FOTS-equipped conference rooms throughout the Station. Those without access to such rooms can see the programs at Michelson Laboratory "Little D" conference room. A room will also be made available in the Training Center for each program—the room number will be posted in the lobby. Note: We have obtained a subscription to distribute CNN Headline News over the TVIS. CNN Headline News can be seen weekdays from 7 a.m. to 5 p.m. on Channel 1.

Tuesday, August 3

8:30 a.m.: Building High Performance Teams With Ken Blanchard

9:30 a.m.: Tom Peters: Business And The Environment

11:00 a.m.: Wellness: Relaxation Video

1:00 p.m.: Macacademy: Filemaker Pro, Part 2 of 3

3:00 p.m.: Tom Peters: Speed Is Life

Thursday, August 5

8:30 a.m.: Workplace Hustle—Sexual Harassment

9:30 a.m.: Wellness: Count Out Cholesterol

11:00 a.m.: Wellness: Relaxation Video

1:00 p.m.: Macacademy: Filemaker Pro, Part 3 of 3

3:00 p.m.: Guide to Financial Security

Tuesday, August 10

8:30 a.m.: Systems Thinking: Transforming the Practice of Management

10:30 a.m.: Empowerment: Even Eagles Need A Push

11:00 a.m.: Wellness: Relaxation Video

1:00 p.m.: Macacademy: MS Word 5.0, Part 1 of 3

3:00 p.m.: Legacy of the Lake/China Lake Diary/Weapons That Work

Thursday, August 12

9:00 a.m.: Dr. Terry Paulson: Making Humor Work

11:00 a.m.: Wellness: Relaxation Video

1:00 p.m.: Macacademy: MS Word 5.0, Part 2 of 3

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NAWC News

Patuxent River, MD—The TC-7 catapult site at the Naval Air Warfare Center Aircraft Division Patuxent River is open for business after being shut down since early March for major upgrading.

The quick completion of the overhaul has been credited to the joint NAWCAD Manufacturing-Prototype integration team, consisting of 25 artisans, engineers and managers.

In November 1992, NAWCAD Lakehurst was selected to perform the upgrade, which consisted primarily of removing the existing linear retraction engine and all related equipment, including the control system. While the Pax River TC-7 site was being mechanically overhauled, Pax River personnel

installed a new catapult electrical control system and the main hydraulic pump selector switch. The close proximity of Lakehurst, Pax River, Trenton and Warminster was conducive to teach integration, which allowed sharing work people and machinery.

Trenton, NJ—The Base Closure and Realignment Commission has voted 7-0 for NAWCAD Trenton to remain on a list of Department of Defense bases slated for closures. The list was approved by President Clinton earlier this month. The list has now gone to Congress, which has 45 legislative days to enact a joint resolution to disapprove all of the recommendations, or it becomes law.

If the closure of the Trenton facilities becomes final, plans will be activated for the transfer of the Navy's air-breathing propulsion systems testload. People, facilities and testing would be parceled out between the Arnold Engineering and Development Center in Tullahoma, Tenn., and NAWCAD Patuxent River.

Eventually, the facilities remaining on the Ewing Township site would be demolished and the land made available for future use.

Lakehurst, NJ—NAWCAD Lakehurst formally received the Quality Improvement Prototype Award from the Federal Quality Institute July 24 at the Sixth Annual National Conference on Federal Quality in Washington, D.C.

Warminster, PA—Key Navy aviation leaders briefed private industry on the Navy's avionics requirements and technology thrusts at a conference hosted recently by NAWCAD Warminster under the sponsorship of the assistant chief of Naval Operations (Air Warfare). RADM. (select) William J. Fallon, Office of Naval Operations, presented the keynote address, "Direction of Naval Air for the 21st Century." RADM. Barton D. Strong, commander of NAWCAD, spoke on the impact of its reorganization.

"Industry wants to know where they should spend their research dollars," said Larry Ott Jr., head of the Signal Process-

or/Computer System Technology Division. "The Navy wants relevant research that can be integrated synergistically."

Indianapolis, IN—Volunteer efforts by Francis Reed, a planner and estimator in the Infrastructure Competency Center at NAWCAD Indianapolis, have recently helped six handicapped NAWCAD Indianapolis employees overcome the physical challenges that have held them "landlocked" for years.

Reed began the program after talking with Jim Hale, chairman of the NAWCAD handicapped employment committee. Reed had experience with the handicapped through involvement in "senior masters" competition for older swimmers, and believed that members of the NAWCAD Indianapolis workforce could benefit from an introductory swim class. Hale, in a wheelchair since sustaining a combat injury in Vietnam, thought the class was such a good idea that he promoted it and even signed up for it himself.

Government Printing Office has catalog of official military history books

A catalog of official military history books published by the U.S. government is now available from the Government Printing Office. The books cover everything from the Continental Army to Civil War battles, Vietnam and the Iran-Iraq War. Some books deal with contributions of specific services. For exam-

ple, there are volumes on the Air Force and the Marine Corps in Vietnam, and the Navy during the War of 1812.

Also available are general histories. These include the Women's Army Corps and an eight-volume dictionary of U.S. Navy ships, pictorials of World War II and Vietnam and a poster of U.S.-allied

deployment in Operation Desert Storm. Foreign military subjects include the 1967 Arab-Israeli War and the Soviet Union during World War II.

The books are available by mail from 23 government bookstores throughout the United States. Cities with stores include Washington, Atlanta, Denver,

Houston, Chicago and Los Angeles. For store locations in these cities, check the telephone directory.

For a catalog, send a postcard with your name and address to Superintendent of Documents, Military History Catalog, Mail Stop: SM, Washington, DC 20401.

DANGER: Untrimmed brush, grass can become a fire hazard

By Tony Verkuy
Fire Inspector

Once again it is that time of year for grass and brush to die and become a fire hazard. With a combination of the heavy rains from the year prior and the rain from last winter, the brush and grass is thicker than in the past several years. The Fire Prevention Branch would like to remind all Naval Air Weapons Station China Lake employees and residents that all brush, grass and weeds within 25 feet of any structure are required to be kept trimmed. The trim line around open storage, ordnance areas and fuel handling and storage areas is 50 feet.

Station employees are requested to help identify areas that need such trimming. If there is any area around your office which needs

vegetation removed, please contact the Base Operating Services Contracts Branch at 939-4429. Those areas not covered by the CFSC contract will require a job order to have the trimming performed.

Station residents are reminded they are responsible for keeping the areas around their homes trimmed. This can be done by pruning your plants, keeping them free from dead twigs and branches, mowing grass and small shrubs, and keeping the roof and other areas around the home free of leaves, pine needles, tumbleweeds and other combustible materials. If you notice vacant residences or community sections within the housing areas not trimmed, please notify the Housing Office at 939-4449.

Your cooperation will help keep the Station looking neater, as well as being safer.

CHICKY, from Page 8

compete with candidates from the other 23 labs. Chicky feels the fact China Lake has advisors in all five afloat commands, plus the Marine Corps and COMNAVAIRLANT, speaks well of the program and the people at China Lake.

China Lake has been involved with the program since its inception as V-LAP, the Vietnam Lab Assistance Program, in 1967. After the war was over, the Secretary of the Navy felt it was important to have labs involved with fleet operations. That's when it turned into

NSAP, Chicky said. It is a directly funded program, so not an overhead burden to the centers. "It (the money) isn't something the Centers are going to eat," he said. "Regardless, though, it would be worth it to have the eyes and ears out there. To see what goes on on a day-to-day basis."

Chicky joined the China Lake civilian service team in 1981, after retiring here as a Navy chief. In addition to his 12 years of civil service he has 20 years of active duty.

Compu Chatter

By Donna Hanson
PC Lab

Input needed

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Annotations In Word 5.1

Annotations are like "yellow stickies" that you can add to a document. They are particularly useful for documents that you want to distribute for others to review and comment on.

Text annotations are indicated in a document by annotation marks, which can include the reviewer's initials within them so that the author can easily distinguish different reviewers' comments. Word formats annotation marks as hidden text so you can display or hide them as needed.

To insert an annotation, click in the document where you want to comment and choose Annotation from the Insert menu. Choose the

Input needed to maximize software library

annotation mark you prefer and type your comment. Double click to edit it. Try it. It really is this simple!

FileMaker Pro 2.0 ScriptMaker

ScriptMaker is a very powerful tool in the newest version of FileMaker Pro. Almost all the menu commands and options are available to use within ScriptMaker. You can pause scripts to perform data entry or other unscripted actions. Scripts can perform other scripts, even external scripts, allowing you to update values in other databases. Scripts can also send Apple events, letting you use data to update a chart in Excel or instruct HyperCard to dial a phone number from your FileMaker Pro database. By combining scripts and buttons, you can automate almost all of your database functions. Call Donna at 499-2081 for help with FileMaker Pro 2.0.

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The China Lake Section of the IEEE recently celebrated it's 20th anniversary. IEEE's local activities also include its affiliate, the IEEE Computer Society. Both groups share a commonality but also provide differences for the many professionals in the Indian Wells Valley. In addition to technical camaraderie, dinner and luncheon meetings, satellite technical conferences, and various discounts are among the few tangible benefits of your membership. Write to the above address or call **1-800-678-IEEE**

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ISA Industry 16 Bit Standard															
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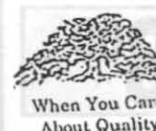
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O'LAUGHLIN, from Page 1

"Developing specialized equipment for the flight deck is a long evolutionary process from concept development to actual prototype testing," Parris explained. "Over the years, the Mini Deck has played an essential role in the process by serving as a site for large scale fire tests and prototype checkout in a simulated flight deck environment. Every one of the primary firefighting tools now in use on aircraft carrier flight decks were proof tested on the Mini Deck. The benefits gained by the Naval Air Weapons Station, Navy, firefighting agencies, the flight deck sailors and Naval aviators, because of the Mini Deck testing program, would not have been possible without the leadership and commitment of Lee."

Parris praised O'Laughlin's efforts in establishing an Emergency Medical Technician 1A Program at China Lake. "The Fire Division ambulance service is one of only a few in the Navy and Marine Corps that is operated by a fire department," Parris wrote. "Through Lee's stewardship, the Ambulance-Emergency Medical Technician 1A Service has been able to maintain state-of-the-art equipment and training second to none."

O'Laughlin noted that while most of the ambulance service has recently been transferred to the Branch Medical Clinic, the Fire Division still plays an active part. "We continue to respond to all emergencies," he explained. "When the ambulance rolls, so does the fire truck. It's a team effort. For example, in case of a heart attack, it takes three people to perform CPR. Since the ambulance only carries two people, a firefighter steps in to help. For the past 20 years, our firefighters have done an excellent job and we still operate the ambulance out at EWTES."

Under O'Laughlin's leadership, several fire safety programs have formed, including the High Desert Fire

Prevention Association and the Formative Years Program, which is aimed at teaching every Child Day Care Center and elementary school child fire prevention messages, such as, "Stop, Drop and Roll."

"Through his efforts and that of other team players in the High Desert Fire Prevention Association, fires started by children have been reduced by more than 40 percent in recent years," Parris wrote.

Parris also credited O'Laughlin with bringing the Fire Division into the computer age, working closely with computer program personnel to write and put into place a highly regarded Fire Dispatch and Record Keeping Program. "Through his efforts, the Fire Division is now capable of being instantly able to retrieve valuable information needed during emergency responses," Parris wrote. Examples of retrievable information include building contents, responsible persons, hazardous materials, automatic sprinkler systems, utility information, fire hydrants, and so forth.

O'Laughlin began his career at China Lake as a young sailor in May 1962. He was assigned to the Crash/Fire/Rescue Organization until his honorable discharge in August 1965, when he moved to Los Angeles to work as a contractor in the Santa Monica and San Bernardino airports as a

sheet metal mechanic.

When the contract he was working under expired in 1969, he entered the China Lake Fire Division as a DoD civilian employee and has steadily advanced to his current position as fire chief.

While O'Laughlin is pleased with the award, he admits to being a bit embarrassed about it. "I feel so many people contributed to those successes," he said. "It wasn't just me. There are lots of firefighters out there who contribute to everything we do. How do you thank a group that stands behind you like that?" O'Laughlin asked. He then chuckled and said, "I bought them all ice cream."



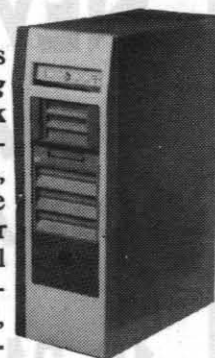
Photo by Terry Pascarella

SHOWING off Lee O'Laughlin's Navy Meritorious Civilian Service Medal is RAAdm. William E. Newman, NAWCWPNS Commander.

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Auto-Hobby Shop pays for used oil

Thanks to the enactment of the recent California Recycling Enhancement Act, a new law designed to discourage the illegal disposal of used oil, individuals are now entitled to a four cent recycling incentive for every quart of used oil they bring to a certified used oil collection center. The Naval Air Warfare Center Weapons Division Recycling Program, in conjunction with the Morale, Welfare and Recreation Auto-Hobby Shop, has been granted certification as a used oil collection center as of May.

Used lubricating and industrial oils will be accepted from the public at no charge during all operating hours of the MWR Auto-Hobby Shop, located just northwest of the Training Center on Inyokern Road. For those who wish to reclaim the four cent/quart recycling incentive, however, used oil collection hours will be from 9 a.m. to 6 p.m. each Saturday. For those who wish to donate their recycling incentive to the Station, which will be used to defray the costs of the program, used oil collection hours will be any time between the hours of 11 a.m. and 8 p.m. Tuesday through Friday and from 9 a.m. through 6 p.m. on Saturday and Sunday.

Lubricating oil is defined as oil which is intended for use in machinery powered by an internal combustion engine, the engine crankcase, transmis-

sion, gearbox or differential in an automobile, bus, truck, vessel, plane, train or heavy equipment. Lubricating oil also includes consumer additives which are intended to be mixed with lubricating oils in an internal combustion engine. Lubricating oils do not include oil intended for use in a two-cycle engine where the oil is entirely consumed during use. Industrial oil includes any compressor, turbine, or bearing oil; hydraulic oil, metalworking oil or refrigeration oil. Industrial oil does not include dielectric fluids.

The new California Recycling Enhancement Act prohibits the collection center from accepting more than 20 gallons of used lubricating oil from a person per day and the containers must not be larger than five gallons, so please plan accordingly. In addition, the collection center can not accept used oils that have been contaminated with other any other chemicals. Please do not bring in used oil contaminated with antifreeze, paint thinner or any other type of solvents. Contaminated used oils can not be recycled and must be disposed of by the Station at a very high cost.

Questions pertaining to the collection of used oils can be directed to Pam Harris, Environmental Project Office (Code C0808), 939-0726, or John Pirotska, MWR (Code 869), 371-0438.



SCHOLARSHIPS were presented to four area students recently by the China Lake Chapter of Society of Hispanic Professional Engineers. SHPE-CL members Yvonne Frame and Joaquin Rivier flank recipients DN Jessie Rock and ADAN Monica Orsborn, who are students at Cerro Coso Community College. Tara Sandberg (inset), who is a senior at Rensselaer Institute in New York, and Ernesto Samano, who will be attending Yale University, also received SHPE-CL

scholarships. SHPE-CL presents the annual scholarships to students majoring in science or engineering. Rivier expressed deep gratitude to contributors who made this year's scholarships possible.

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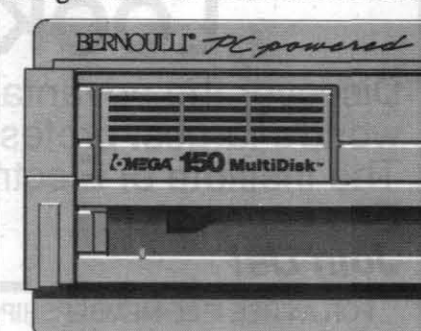
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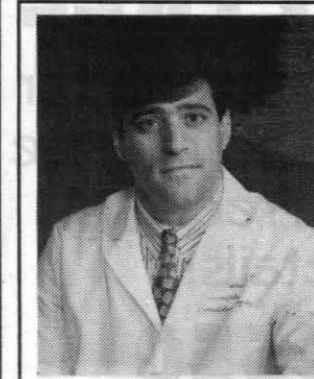
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Safety Sense

By Dena Christison
Safety Office

Protective gear can be your best defense

Every year many people suffer disabling injuries while at work. Add to these injuries the gradual loss of hearing, eyesight, respiratory health and so forth experienced by other workers, and you have an excellent case for always using PPE, Personal Protective Equipment, when on the job.

Do you know your job's hazards?

Workers are often unaware of the dangers in their work environments. Injuries can happen fast, or illnesses can develop over time. In either case, PPE is your last line of defense against a hazard after engineering and administrative controls have been implemented. Here are some facts about specific hazards in the workplace and what you can do to protect yourself.

Unsafe air

If the air in your workplace contains fine particles, sprays, mists or toxic gases, the area should be surveyed to determine if respiratory protection is needed. If needed, you will become part of the Respiratory Protection Program at

the Naval Air Weapons Station China Lake and will be given training in how and when to wear your respirator, as well as cleaning and storage procedures. It is important that you learn and follow all the recommended procedures if you are wearing a respirator for your job.

Eye hazards

Do you need eye protection on the job? If anything in your workplace can fly, splash or drift into your eyes, the answer is "YES!" Safety glasses, goggles and face shields are designed to protect against impact, irritating fine dust, chemical splashes, extreme heat and many other hazards. If you are not sure which kind of eye protection is required for the job you are doing, ask your supervisor.

Noise

Often workers are not aware of how much noise they are exposed to routinely. If you have to shout when carrying on a conversation in your workplace to be heard, you are probably working in noise levels over 85 decibels. This may be

enough to damage your hearing over time. Wearing approved ear plugs, ear muffs or a combination of the two can safely and comfortably reduce ear damage. Follow ear protection procedures when working on identified noise hazardous machinery or in any environment that produces excessive noise.

Other physical hazards

Most options available to protect you from physical hazards—steel-toed boots, chemical-resistant gloves, hard hats, eye and face protectors, protective coveralls and so forth—serve a critical service to provide a barrier between you and a potential hazard. Remember, PPE is your last line of personal defense against a hazard, so never take it for granted or underestimate its importance.

Final reminders

- Check for leaks, tears and signs of wear before using any kind of PPE.
- Consistently wear the appropriate PPE properly if required for your job.
- Use the right size PPE.
- Keep equipment clean and stored properly. Dirty or abused PPE will not offer you the best protection.
- Follow strict guidelines for removing contaminated PPE.
- Report any health problems while using PPE to your supervisor.

If you have any questions about PPEs, contact your supervisor or the Safety Office at 939-2315.

John Dalton is new Secretary of Navy

John H. Dalton became the 70th Secretary of the Navy on July 22 when he took the oath of office in a private ceremony at the Pentagon. Secretary Dalton had been unanimously confirmed by the Senate the previous evening.

"I look forward to the privilege and honor of serving as your secretary, and I intend to be always worthy of your respect and support," Dalton said in a message to the Department of the Navy personnel.

Secretary Dalton, who holds a master of business administration degree from the University of Pennsylvania's Wharton school, graduated with distinction from the U.S. Naval Academy in 1964. He later attended two naval nuclear power schools and served aboard two submarines, *USS Blueback* and *USS John C. Calhoun*.

"Those past years of service left an indelible impression on me that remains the cornerstone of my feelings toward the people who wear the uniform today," Dalton said.

Photos of Secretary Dalton will soon be available from the Public Affairs Office, 939-3511.

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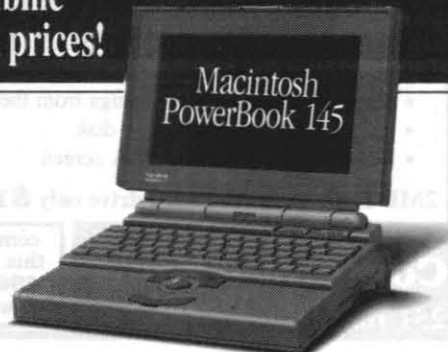
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Donald Royal receives Walden Memorial Award

Technician floored by honor because he has 'never considered himself as an award-type of guy'

By Peggy Shoaf
Staff Writer

Donald C. Royal made history June 28 when he became the first China Lake recipient of the Capt. Kenneth A. Walden Memorial Award. Royal is an electronics technician in the Intercept Weapons Department's Fuze Sensor Systems Division's RF Fuze Branch.

Upon the establishment of the Naval Air Warfare Center Weapons Division, the separate award programs became one, increasing eligibility for site awards to employees throughout NAWCWPNS.

Royal was presented the former Point Mugu award during a ceremony in the department office by Gerry Schiefer, NAWCWPNS Weapons director. Schiefer stood in for the NAWCWPNS Commander, RAdm. William E. Newman, who was unable to make the presentation.

This career achievement award is in memorial to Capt. Kenneth A. Walden, who by his example and personal involvement, provided motivation and leadership to others to achieve the technical and operational objectives of range operations at Point Mugu. He, also, provided a strong commitment to each per-

son to excel in their respective capacities and support Point Mugu's mission and goals.

The award criteria is based on an individual's dedication to personal improvement as evidenced through self-initiated study and career advancement, as well as individual motivation, ingenuity and professionalism evidenced through valuable technical and operational contributions to the NAWCWPNS mission. While not excluding engineers and other professional (degreed) personnel, this award focuses more on the technicians, operations specialists and others who provide much needed and highly valued technical and operational support to the mission without the benefit of a four-year college technical education.

After receiving the award, Royal said, "I was totally floored. I have never considered myself as an award-type of guy."

The nomination letter disagrees with that feeling, citing Royal's successes in operating and maintaining the MPQ-52 Radar during the period of 1972 through 1977 and as project leader for the AMRAAM and Phoenix Target Detecting Devices and the Improved TDD Captive Flight Test Program. "The success of the TDD Captive Flight Test Program was primarily due to Royal's dedi-



Photo by Terry Pascarella

TWENTY-SIX years of dedicated service to personal improvement through self-initiated study and career advancement is recognized when Donald C. Royal (right), accepts the Capt. Kenneth A. Walden Memorial Award from Gerry Schiefer, Weapons Director.

cation, diligence and hard work," the nomination reads.

In addition, the nomination letter lists

how Royal has worked on improving his technical capabilities through education

See **ROYAL**, next page

McLEAN AWARD, from Page 7

Department, Dr. Lindsay essentially started from scratch," reads the nominating letter. "He hired several new polymer chemists and engineers, obtained the necessary equipment and funding, and focused the branch effort in this new and important effort. When the Independent Research Program was externally reviewed in 1991, the nonlinear optical polymers research received the highest score (90 percent) of the six China Lake projects reviewed. Dr. Ken Wynne, ONR, of the review team, singled Dr. Lindsay out for outstanding leadership of the nonlinear optical polymers effort. Dr. Wynne said that China Lake's polymer research is 'clever and incisive' and 'competitive with the best universities in the United States.'"

Diede, a mechanical engineer in the Ordnance Systems Department's Propulsion Systems Technology Branch, was recognized for his contributions and exceptional creativity in support of the insensitive munitions technology efforts.

"Your investigations led to the development of the Slow Cookoff Visualization Test which has become a standard in the development of IM pro-

pellants," reads the citation accompanying the award. "Additionally, you were instrumental in pioneering the use of real time X-ray and boresight video cameras to observe hazard testing. These accomplishments, along with your current development of an intermetallic sensor to reliably detect a cookoff condition, have served to improve the safety of weapons systems."

In closing the ceremonies, Capt. Cook told the attendees to put their very best people on the tasks at hand in the tough times ahead. "I am confident that when we are through with the process that we are going through that we will come out the other end stronger and more vibrant for the future," he said. "But it isn't going to be easy. But there hasn't been a challenge in the four years I have been here that I haven't laid down to the senior managers and to those in the work force, regardless of whether it was in the support or technical codes, that hasn't been met. We've debated it, but when all was said and done, you turned to and the caliber of your performance has set the stage of excellence for me and my measures in the future."



TID photo

OUTSTANDING CREATIVITY earned William B. McLean Awards for Dr. Geoffrey A. Lindsay, Fay A. Hoban and Amos J. Diede.

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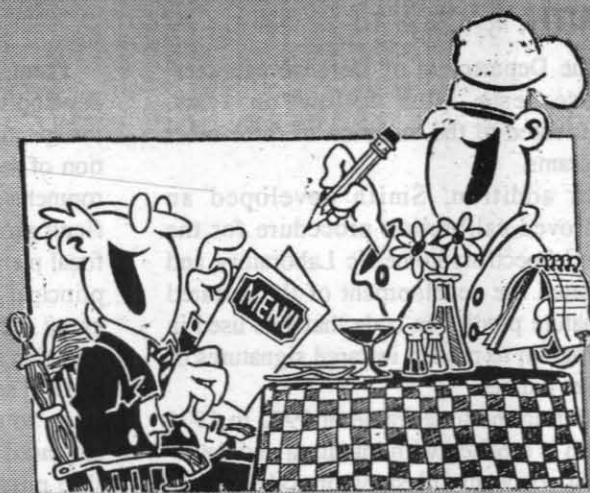
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ROYAL, from previous page

and continuously accepting more challenging technical assignments.

"With 26 years of on-the-job experience, along with the completion of numerous technical courses while working for the Navy, NAWCWPNS and FAA, plus the numerous academic courses he took on his own time at Cerro Coso Community College, Royal has developed a solid technical background on the fundamentals of electronics, radar systems and RF fuzing technology," the letter reads. "As a result, he is now recognized by his peers as a full-fledged engineer."

Royal originally arrived at China Lake in 1970 while he completed his last one-and-a-half years of Navy service. At the time he left the service, there was a hiring freeze on, so he accepted a job at Vitro, where he worked for the Navy as a contractor on base. When the freeze was lifted, he was picked up by the same people he had been working for, supporting the EWTES facility. In 1977, he left China Lake and worked for the Federal Aviation Administration. In 1984 he came back to China Lake and has been working with the Fuze Sensors Division ever since.

Looking over his civilian career, Royal said his biggest achievement was completion of the TDD Captive Flight Test Program, which was successfully concluded last December. Royal explained the program involved taking a missile assembly and attaching it to the nose of an aircraft, so it appeared as if the missile was doing a free flight. "That way, we could get clear, unobstructed data from the missile," Royale explained. "We can do various altitudes and flight scenarios to collect real-time information on the missile. It is a non-volatile test, so we can recover the missile and repeat the test for comparable data."

During his free time, Royal enjoys water skiing and other outdoor activities, especially horseback riding and backpacking.

JTPA program funding runs out

Students leave China Lake site two weeks early because of budget constraints

By Abel Maestas
JTPA Student

Students participating in the Job Training Partnership Act (JTPA) will be leaving the China Lake site of the Naval Air Warfare Center Weapons Division early this year because of budget constraints. The program was to originally last a full nine weeks. Unfortunately, the program has been cut from August 13 to July 29, making it a two week reduction.

"One of the objectives of the program was to provide summer jobs to as many applicants as possible given the current economic situation, rather than operate longer with less students," said Sandra Phelps, JTPA Services Division. "This summer, enrollment has increased by 500 district-wide."

Due to the lack of money by Congress, there was not enough funding to provide for the extra number of trainees this summer.

June weather a little cooler, drier than normal

June 1993 was a little cooler and drier than normal, notes a report by the Range Meteorology Office. In addition, the 26-percent average relative humidity for the month tied 1976 as the fifth lowest for June.

At IOB, the afternoon temperature was equal to or greater than 100 degrees Fahrenheit on 11 days and equal to or greater than 105 degrees on four days. The highest temperature reported during the month was 111 at Armitage Field.

Measurable precipitation occurred on June 5 and

"It is very disappointing, in more ways than one," said Aggie Castro, supervisor of the NAWCWPNS JTPA Summer Jobs Program. "Some of the kids are going on to college and had planned to use the money for school. Now they fall shy the last two weeks of pay. The supervisors were also affected, being that we had told them the students were here for a full nine weeks. It's not good news, but there's nothing we can do about it."

"The JTPA would like to thank NAWC and NAWCWPNS for providing this unique training for our students and for bearing with us through this time of reduction. We plan to be able to operate for at least nine weeks next summer, anticipating that you will continue to work with us on behalf of the students," concluded Sandra Phelps.

On July 30 the JTPA will have closing ceremonies from 11 a.m. to noon at the student's living quarters, 610 Blandy.

20. The maximum amount recorded during the month was 31-hundredths of an inch at Junction Ranch.

During the first week of June, a low pressure system moved over northern California, causing unseasonable cool weather in the local area and snow in the mountains as far south as Olancho Peak.

Another low pressure system moved over northern California late in the third week and a few thunderstorms occurred in the local area on June 20.

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40 years of service: Ted Smith observes many changes during his tenure at China Lake

By Peggy Shoaf
Staff Writer

Forty years have past since Stanley "Ted" Smith came to what was then known as the Naval Ordnance Test Station as a junior professional. Since that time, he has served under more than 20 commanders, worked under all but one of the technical directors and witnessed the creation and dissolution of the Naval Weapons Center and the establishment of the Naval Air Warfare Center Weapons Division.

But the change he has enjoyed the most has been the birth of the computer age. When he's not working as a physicist in the Intercept Weapons Department's Sensors and Platforms Branch, he is busy playing and working on his computer. Reports are now easy to process and data updates are easily and efficiently dealt with.

In a special ceremony July 6, Sterling Haaland, NAWCWPNS deputy commander for research and development presented Smith with a 40-year service pin, a Career Service Award Certificate and a Career Service Letter signed by the NAWCWPNS Commander, RAdm. William E. Newman.

"I am pleased to present you the forty



Photo by Terry Pascarella

FORTY YEARS—Sterling Haaland (left), NAWCWPNS deputy commander for research and development, congratulates Ted Smith on his accomplishments during his 40 years of service at China Lake.

year service pin and Career Service Award Certificate in recognition of your forty years of public service to the United States Government," Newman wrote. "I extend my appreciation to you for your dedicated service to the Naval Air Warfare Center Weapons Division."

Since coming aboard in 1953, Smith has worked a number of jobs, including serving as a flight test data analyst and flight test engineer for the Sidewinder 1C (AIM 9D) Program. During 1957 to 1961 he developed and directed the engineering of a ballistic target rocket

which was used to test the Sidewinder 1C above 72,000 feet altitude.

From 1962 to 1969 Smith served as an analyst in the Weapons Analysis Branch where he compiled and analyzed the infrared signatures of several military aircraft of United States origin; determined the effect of meteorological parameters on the Adam Search Set; conducted parametric optimization studies concerning the Adam Search Set; conducted studies showing the effect of maneuvering targets on missiles equipped with infrared seekers; and conducted simulation studies on proposed missiles such as Gila, Osprey and Optical Shrike.

From 1969 to 1975, Smith served as an analyst in the Infrared Measurements Branch.

During this time he initiated the interferometer study, which later resulted in a program to develop an interferometric measurement capability at China Lake. He initiated, negotiated and managed an agreement between the Fuze Department, Infrared Systems Division and General Dynamics in Pomona to make the first high resolution spectral measurements of a turbojet plume at the K-2 test range. These measurements resulted in data which is quoted in publications

Please see **SMITH**, Page 15

SMITH, from Page 14

of the Department of Defense agencies. Those tests, plus follow on tests, contributed to the initiation of three other programs.

In addition, Smith developed an improved calibration procedure for the NWC Spectroradiometric Laboratory and initiated the development of the infrared signature prediction code that was used in a program to predict infrared signatures of rocket plumes.

During the time frame of 1972 to 1975 Smith is credited with initiating and developing conceptual designs of coded reticle seekers and signal processing for which independent exploratory funding was later awarded. He established the theory for software in the interferometer development program. In addition, Smith worked on the HAVE ROBE program.

From 1975 to 1979 Smith served as deputy program manager for the Optical Signature Program, where he was primarily responsible for the technical planning of the program.

From 1979 to 1981, Smith attended Utah State University on an educational fellowship, where he received a master's of science degree in electrical engineering.

He returned to China Lake in 1981 and, until 1982, developed programs in atmospheric transmission to determine the optimum spectral band for focal plane array seekers for air-to-surface applications. He also developed a program using correlation spectroscopy for weapon sensors.

From 1982 to 1985, Smith worked on developing unique analytical procedures for spectral band selection and determination of sensor performance in global environments. He also helped to solve the difficult problem of search and detection for focal plane array sensors. He has served as principal investigator for a new focal plane array seeker development program. He was also selected the principal investigator for the seeker environmental evaluation study to determine the operability of the advanced scanning focal plane array anti-air missile and advanced surface attack weapon.

During the later part of 1985, Smith studied various infrared search and track system proposals and determined the missile interface parameters for outer air battle scenarios. The study considered the effectiveness of the AWG-9 fire control system and the AIM-54C Phoenix missile in depth.

In 1987 Smith initiated studies on the effects of missiles traveling at high velocities upon infrared seekers. Since then, he has worked on numerous projects for the Intercept Weapons Department, including the development of seeker designs that will function in high aerothermal environments.

Smith plans to retire in January, but will continue to write research papers and attend technical conferences, as well as continue another hobby, traveling.

Telephone Tidbits

Release key plays important part

Imagine receiving your telephone bill and seeing two toll calls made from the same phone number to the same phone number at almost the same time! Seems impossible, but it can, and has, happened. An example scenario to consider is: you place a long distance call to a vendor, the call is answered but you are put on hold. After being on hold for a couple of minutes you decide to terminate the call and try again. You press the switchhook and then dial the vendor's number again. This time you are connected to the person you need to talk with and your conversation begins. All is well? Not so. What actually happened is you placed the first call on

hold instead of disconnecting it!

When you decide to disconnect from a call you have originated, use the light red Rls (release) key on your telephone. This will ensure that the call is disconnected before giving you the dial tone to place your next call. If you use the switchhook you must be sure to press it long enough (at least three seconds) to disconnect the call. When using the switchhook to disconnect a call, listen for a momentary stutter dial tone when you release it. If you hear the stutter dial tone before a normal dial tone, it means you have put your first call on hold. Using the Rls key is the most efficient way to disconnect your call.

Defense Logistics Services Center changes name

Personnel from the Defense Logistics Services Center are informing all their customers that the name of the Defense Logistics Information System has been changed to the Federal Logistics Information System. The new name reflects the nature and use of the logistics data housed at the center.

The data is for use by Department of Defense and civil federal agencies.

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Sunday School.....K-6th Grade
Pastor: Michael Godfrey
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(Old K mart)
446-1037 office

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9 August ---- Serving 11 AM to 1 PM

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Tuesday: Ham and Cheese San, Home Made Soup
Wednesday: Fried Chicken, Pot Salad, Beans and Biscuit
Thursday: Salisbury Steak, Mashed Pot., Veg & Roll
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August. **Selecting Official:** Tim Sanchez (805) 989-7058, **HRD Contact:** Brenda Davis (805) 989-3338, **Permanent Change of Duty Station Authorized:** Yes. **Summary of Duties:** Incumbent serves as a first-level supervisor in the Information Security Division and is responsible for program administration of classified material control, industrial security, and information security programs and services aboard the NASPTMUGU Complex. Coordinates the Information Security Program, which involves interaction with 17 tenant commands. Directs all facets of security management. Directs, leads, assigns, organizes, sets objectives and plans the conduct of work of an organizational group that requires considerable original thought and foresight from both technical and managerial viewpoints. Investigates, evaluates, and recommends new or changed operations, procedures, or functions. Incumbent devises strategies that may involve the application of new and/or improved techniques to the solution of important problems. Provides advisory and coordinating services in the development of NASPTMUGU. Estimates manpower needs and schedules and assigns work to meet milestones. **Quality Ranking Factor(s):** Ability to supervise and knowledge of physical security and loss/crime prevention programs.

POINT MUGU/OXNARD PLAIN

No. P70-001-MZ3, Lead Recreation Assistant, GS-0189-04, Naval Air Weapons Station, Morale, Welfare and Recreation Department, Recreation Division, P703—Area of Consideration: Point Mugu/Oxnard Plains. **Opening Date:** 29 July. **Closing Date:** 12 August. **Selecting Official:** Don Hems, (805) 989-7940. **HRD Contact:** Marcela Zaragoza (805) 989-3235. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Supervises patrons to assure a safe environment at the pool or beach in the water and the surrounding areas. Controls cash, performs bookkeeping related to daily cash handling, and maintains a daily record of patron sign-ins. Polices pool or beach area for trash and unhealthy or hazardous conditions. Sets up and stores pool furniture daily. Must obtain a current American Red Cross Advanced Lifesaving certificate, or equivalent. Must obtain a current cardiopulmonary resuscitation certificate. **Quality-Ranking Factor(s):** Knowledge of water safety principles and individual lifesaving rescue.

No. P70-003-MZ3, (1) Supervisory Morale Welfare Recreation Programs Manager, GS-1101-07, Naval Air Weapons Station, Morale, Welfare and Recreation Department, Recreation Division, P703—Area of Consideration: Point Mugu/Oxnard Plains. **Opening Date:** 29 July. **Closing Date:** 12 August. **Selecting Official:** John Gerard, (805) 989-8070, **HRD Contact:** Marcela Zaragoza, (805) 989-3235. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** The incumbent is responsible for operation and control of MWR services, programs, and facilities, in accordance with establish policies, procedures, and guidance. Designated MWR programs include, but are not limited to: food and beverage service, recreation, fitness, and other related social and general recreational

services/activities. Prepares and executes non-appropriated funds NAF budgets. Has responsibility for the receipt safekeeping, deposit, disbursement, and accountability of all SNI MWR funds, including daily and monthly financial recordkeeping requirements/functions. Acts as custodian of all records and property in possession. Determines equipment and facility maintenance requirements and accomplishments of all required maintenance, replacement, expansion, and improvement. Ensures compliance with fire, safety, and sanitation requirements/regulations. Plans and schedules daily services in food and beverage operation, entertainment, special events, and fitness and recreational activities and services. Initiates and procures required merchandise, goods and services, and supplies to include proper storage to prevent theft, spoilage and/or pilferage. Maintains good patron service and employee relations including curious and efficient patron service. Responsible for assigning personnel, entitling personnel actions, establishing work schedules, assigning and distributing work, counseling employees, conducting employees training, and ensuring personnel practices are in accordance with Navy Equal Employment Opportunities. **Quality-Ranking Factor(s):** Knowledge of the fundamentals principles, methodology, and techniques involved in the operational management of mwr programs and services.

No. P70-002-MZ3, (1) Child Development Training And Curriculum Specialist, GS-1701-07, Naval Air Weapons Station, Morale, Welfare and Recreation Department, Recreation Division, P703, Area of Consideration: Point Mugu/Oxnard Plains. **Opening Date:** 29 July. **Closing Date:** 12 August. **Selecting Official:** Dan Savage, (805) 989-8070. **HRD Contact:** Marcela Zaragoza, (805) 989-3235. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Develops and implements training for Child Development Center staff, which helps render safe and developmentally appropriate care for children. Executes the standardized Child Development training program. Provides orientation training and safety, health and sanitation, fire prevention and evacuation, recognizes, reports, and prevents child abuse; has knowledge of first aid and cardiopulmonary resuscitation (CPR), nutrition and real service, child growth and development, classroom management, child guidance and discipline techniques and other related topics. Maintains training records and prepares reports and reaccommodation for supervisor. Develops the framework for a curriculum to be used by program staff, which promotes the physical, emotional, cognitive, and social growth of children ages 6 weeks to 12 years. The curriculum, which revolves around a planned, yet flexible, daily routine includes a variety of age-appropriate, skill-developing play activities. Supports the parent participation program by arranging and coordinating activities that involve parents such as field trips, parent newsletter, special events, and parent education programs. Develops a working relationship with local colleges and professional organizations and advises staff about continuing avenues of professional development. Serves as a point of contact for information on the Child Development Association (CPA) National Credentialing program and may be a CDA advisor to caregivers who are obtaining CDA credentials.

Quality-Ranking Factor(s): Knowledge of early childhood principles, theories, concepts, and standards as they relate to military child development programs and services.

POINT MUGU

No. P76-002-AR3, (1) Firefighter, GS-081-07, Air Operations, Department Fire Division Structural/Crash Branch P6141—Area of Consideration: Point Mugu, Fire Division only. **Opening Date:** 29 July. **Closing Date:** 12 August. **Selecting Official:** Charles Robertson and Clyde Davis, (805) 989-7034. **HRD Contact:** Adela Ramirez, (805) 989-3321. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** Incumbent provides fire protection for structures. Incumbent shall exercise control over apparatus and personnel assigned or detailed to his/her fire crew, subject to orders that may be issued by the Fire Captain or higher authority. He/She will be responsible for the discipline and efficiency of the personnel assigned to his/her crews and the condition of fire apparatus, special equipment, and quarters. Oversees the routine checking, maintenance and clean-up of equipment; testing of equipment, first-aid firefighting appliances, and hoses; checking and servicing fire hydrants and flushing water and foam systems. He/She directs crew in the care and cleaning of the fire station ad surrounding grounds as required. The incumbent is responsible for ordering and controlling supplies necessary to maintain the fire station and fire apparatus at the station. Responds to all alarms with assigned crew, as appropriate, during his/her tour of duty. **Quality-Ranking Factor(s):** Knowledge in directing firefighting tactics on drills and actual emergencies concerning both crash and structural fire operations and ability to conduct training in rescue, firefighting, and fire prevention.

REASSIGNMENT OPPORTUNITIES

This column is used to fill positions through reassignment or voluntary change to lower grade only. All applications must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors. Applications should be filed with the person whose name is listed in the announcement, i.e., at China Lake the selecting official; at Point Mugu the HRD Contact.

REASSIGNMENTS ALL FOUR SITES

No. C21-030-KN3, (1) Interdisciplinary (Computer Scientist/Mathematician), DP-1550/1520-3, F/A-18 Avionics & Weapons Integration Branch, System Integration & Evaluation Division, Aircraft Weapons Integration Department (F/A), C2144—Area of Consideration: NAWCWPNS. **Opening Date:** 29 July. **Closing Date:** 12 August. **Selecting Official:** Mike Murphy (619) 939-

5805. **HRD Contact:** Kym Noh (619) 939-2393. **Permanent Change of Duty Station Authorized:** Yes. **Summary of Duties:** This position is located in the F/A-18 Avionics & Weapons Integration Branch, System Integration & Evaluation Division, Aircraft Weapons Integration Department (F/A). The incumbent will support the F/A-19 program and matrix support organizations for the development of Tactical Aircraft Mission Planning System (TAMPS) hardware and software. The incumbent is responsible for coordination and incorporation of F/A-18 OFP requirements into the TAMPS system, documentation development, and integration and testing of the software. Tasking requires the incumbent to interface and communicate with all levels across organizational boundaries, both internal and external to NAWCWPNS. The incumbent will provide systems and database support for a classified microprocessor-based system operating with the Sun UNIX O/S. The incumbent will install software upgrades and maintain the configuration base line, update database information, provide user assistance, and maintain the system documentation. The incumbent will also interface with the prime development contractor through the F/A-18 WSSA Delivery Order Support Contract for software development and integration. The tasks include development of the F/A 18 OFP 09C and 11C capable software. The incumbent should be familiar with MIL-STD 2167 software development, software documentation, and all levels of software testing. The successful candidate should have experience in high-order software testing and in high-order software languages such as C, Ada, UNIX, and FORTRAN. The incumbent should have recent experience or a background in object-oriented design. While a familiarity with Software Engineering Institute (SEI) policies is desirable, it is not mandatory. The incumbent must have a Top Secret clearance based on a special background investigation. The incumbent should be capable of making presentations defining status and progress and should possess skills necessary for the development of complex schedules and reports. This position is at the full-performance DP-3 level. Duty station is at NAWCWPNS, China Lake, CA. Please submit an updated SF-171 to Mike Murphy, C2144. **Note 3 applies.**

No. C27-005-NR3, (1) Interdisciplinary (Mechanical/ Aerospace Engineer), DP-830/861-2/3, Missile Performance Branch, Propulsion Systems Division, Ordnance Systems Department, C2771. **Area of Consideration:** NAWCWPNS. **Opening Date:** 29 July. **Closing Date:** 12 August. **Selecting Official:** Scott Fuller, 939-7481. **HRD Contact:** Monica Hewston, 939-2218. **Permanent Change of Duty Station Authorized:** No. **Summary of Duties:** As a member of an analysis team or for a task sponsor, incumbent carries out analyses, simulations, and/or studies of missiles and other aeropropulsion vehicles to determine vehicle flight performance capability sensitivity to propulsion system operating characteristics and type (rocket and/or airbreather). **Quality-Ranking Factor:** Knowledge of propulsion and aerodynamics. **DAWIA Position:** Employee selected is subject to completion of mandatory experience and training requirements for Level 2/3 Systems Planning, Research, Development, and Engineering Career field within 18 months of selection. **Note 1 applies.**

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NAVAL AIR WARFARE CENTER WEAPONS DIVISION ANNOUNCEMENTS

CHINA LAKE GENERAL ANNOUNCEMENTS

NOTS/NWC/NAWS AERIAL/SATELLITE PHOTOGRAPHS, MAPS, AND RELATED MATERIALS WANTED

The China Lake Environmental Project Office is currently compiling maps, aerial photographs, and related materials, both past and present. Information is for incorporation into their proposed Geographic Information System (GIS) map and computer database and for baseline mapping for the 1993 Land Management Plan. These materials will also be used for identification of old hazardous waste dump sites. We are interested in all of the lands within NAWS jurisdiction as well as immediately adjacent lands.

To maximize our initial data-gathering efforts, we are putting out this call to all China Lake activities. Our primary need is for high-quality (preferably stereoscopic, color, or infrared) aerial or satellite photographs for developing baseline land-use maps and a vegetation-plant community map.

To obtain a more complete listing of items, ask questions, obtain assistance or a method of payment, or to submit classified or restricted data, call Beverly Kohfield at 927-1526 or 446-6440, or Jim McDonald at 927-1508. (C0808)

EQUIPMENT EXCESSING AND REUTILIZATION WAREHOUSE (WAREHOUSE 41)

Warehouse 41 is open for excessing equipment on Mondays and Wednesdays. To make an appointment, call 939-2101. The warehouse is open for reissuance of equipment on Tuesdays and Thursdays.

For more information contact Debra Schlick at 939-1216.

FIRP (LCM) FOLDER NOW ON C63 SERVER

To provide convenience and expedite the dissemination of information, a FIRP (LCM) folder has been set up on the C63 Department Server. Copies of the Infrastructure Plan format outline and LCM procedures have been placed in the Public folder to assist in the Infrastructure preparation process. The documents are in Microsoft Word 5.0 and Excel 4.0.

To obtain more information on accessing the server, ask questions, or obtain assistance, call Tina Gaugh at 939-3396 or Ava McClendon-Whitman at 939-0617. (C6331)

DATA GENERAL ADP/FIP HARDWARE

The FIP Resources Branch (C6331) currently has a Center-wide contract (N60530-89-D-0283) for repair and preventive maintenance of Data General ADP/FIP hardware and attached peripherals. This contract expires 30 September 1994. C6331 is soliciting input from the users to determine if there is a need to continue this service after the expiration date. If there is, the follow-on will be a time-and-material, per-call and on-call coverage hardware maintenance contract for China Lake. Per-

call coverage means the user would pay a 1- or 2-hour minimum labor charge plus material costs for each trouble call. On-call coverage means the user will pay a fixed monthly fee (covers labor and parts), which will be assessed based on the system configuration before the system is covered under the contract. If you are interested in coverage under a follow-on contract, contact Linda McCauley, C6331, at 939-0614 by 19 August.

COPIER ACQUISITION AND MAINTENANCE PROCESS

Codes submitting new copier requests for purchase, lease, rental, and replacement equipment must complete a NAVPUB 5600/14 form to accompany the stub and justification memo. The acquisition package should be sent to C6331, Attn: A. Lipinski, who will review the package, obtain the approval signature, and get the acquisition request number that is issued from the Defense Printing Service (DPS) in San Diego. This process takes approximately 2 weeks.

Renewal requests (leased or rented equipment) should be sent to C6331 for review and initialing.

Low-volume copier requests (1 to 19 copies per minute) and **maintenance** service requests do not need a review or approval from C6331. However, a copy of the stub should be sent to C6331 so that a current inventory is maintained. If you have questions, contact Annabelle Lipinski at 939-3427. (C6331)

TAMP NOTES

Are you transferring or taking a trip soon? Need a detailed list of driving directions and road maps with alternative routes? The TAMP Office has just installed AUTOMAP, the Intelligent Road Atlas. Contact Pat Tobola at 927-1545 for your personalized travel plan.

The TAMP Office will be closed 26-29 July for a workshop and a temporary move. Room 1017, Building 00001, is being renovated, and we will be relocated to Room 2028. The phone numbers will be the same. This renovation should be completed in 1 month. We apologize for any inconvenience this may cause. Our Airfield Office will be staffed by Phyllis Bunker, 939-1018.

CPR AND FIRST AID CLASSES AVAILABLE

There is still space available in the American Red Cross, 4-hour Cardiopulmonary Resuscitation (CPR) class and the 8-hour Standard First Aid classes (that include Adult CPR), offered by the Safety Office and Cerro Coso Community College. The Adult CPR classes are presented every Monday through 16 August, with a class duration of 4 hours, both morning and afternoon sessions are available. Standard First Aid classes are presented on Tuesdays, Wednesdays, and Thursdays through 19 August, with a class duration of 8 hours. The classes are for

either initial certification or recertification. These classes are open to all personnel at no cost.

For more information, or to sign-up for a class, call the Safety office at 939-2315. (C8401)

TUITION SUPPORT POLICY FOR CERRO COSO

Civil service employees at China Lake who are taking courses at Cerro Coso and expect to obtain tuition support must submit via department channels to Code C622 prior to registration a DD Form 1556 (Off-Center Training Request). A job order number must also be supplied by their department in addition to an "objective" statement explaining how the course is job related.

C622 will return the approved DD Form 1556 to you. You must turn it in at Cerro Coso when you register in order for NAWCWPNS to pay your tuition. If you register in person, turn in the approved form to the registrar. If you register by telephone, mail the approved form back with the bill you will receive.

Requests for tuition support (DD Form 1556) must be received by C622 at least 3 days prior to the employee's registration at Cerro Coso. This will allow the request to be processed and returned to you in time for registration. **The approved DD Form 1556 must be turned in to Cerro Coso when registering/returning bill received in order for NAWCWPNS to pay the tuition. EMPLOYEES WHO PAY TUITION WILL NOT BE REIMBURSED.** If you have any questions, call Cecil Webb at 939-0878. (C622).

INTERNET DOMAIN NAME CHANGE FOR CHINA LAKE

The Internet Domain name for NAWCWPNS China Lake/NAWS China Lake is being changed at the Internet Network Information Center (NIC) from "NWC.NAVY.MIL" to "CHINALAKE.NAVY.MIL". Currently both Domain names are being supported by the NIC but in the very near future, the old "NWC.NAVY.MIL" will no longer be supported. This change will affect all China Lake network users who utilize the Internet (MILNET.DDN). All network users should start using the new name of "CHINALAKE.NAVY.MIL" as soon as possible. For more information contact Joan Mathewson or Jim Rice at 939-6661.

USE OF THE TECHNICAL LIBRARY

The Technical Library, located at the north end of the Michelson Lab compound, would like to remind its patrons that the library is open to everyone. Patrons do not have to have an "L" on their badge to use the facilities. Only if you wish to use or remove classified material from the library will you be required to have an "L" on your badge. The Technical Library is open Monday through Thursday, 0700-1700 and is closed on Fridays. The Technical Library also has an after-normal-work-hours policy that allows our patrons to use the facility in the evenings and weekends. For more

information call the Technical Library Division, C643, 939-1017.

GRADUATE RECOGNITION FOR THOSE IN NAWCWPNS, CHINA LAKE ACADEMIC PROGRAMS

A "Graduate Recognition" presentation will be held to acknowledge graduates from the NAWCWPNS, China Lake-sponsored academic programs (the Co-op Programs, on-site sponsored degree programs, and the fellowship program). The event will be held at Mich Lab, Room 1000D from 1300 to 1340 on 5 August. Speakers for this event will be Sterling Haaland, Deputy Commander for Research and Development, NAWCWPNS; Dr. David Ost, Dean of Extended Studies and Regional Programs, Cal-State University, Bakersfield; Dr. Diane Schwartz, Interim Dean of the School of Engineering and Computer Science, Cal-State University, Northridge; Dr. Orlando Madrigal, Chairman of Computer Science Department, Cal-State University, Chico; Dr. Ronald Derr, Head of the Research Department, NAWCWPNS and the FY93 Chairman of the NAWCWPNS Fellowship Committee; and Ms. Ann Kurotori, Associate Head of Equal Opportunity and Employment Division, NAWCWPNS. Friends, supervisors, co-workers, and instructors of the graduates are invited to attend.

CSUC COMPUTER SCIENCE ADVISING

Dr. Orlando Madrigal of Cal-State University (CSUC), Chico will be at China Lake on 5 August to advise current and prospective students in the external degree programs in computer science offered by CSUC. The programs lead to bachelor's and master's degrees. To make an appointment with Dr. Madrigal, call Denise at 939-2648.

THRIFT SAVINGS PLAN (TSP) RATES OF RETURN

According to the latest TSP fact sheet, the rates of return for the three investment funds were

	C Fund	F Fund	G Fund
June	0.32%	1.79%	0.51%
Last 12 Months	13.75%	11.48%	6.72%
C Fund—Common Stock Index (Stocks)			
F Fund—Fixed Income Index (Bonds)			
G Fund—Government Securities			

RETIREMENT

BRAD KOWALSKY

Brad Kowalsky (C2181) will be retiring after 30 years of Federal service, 22 of which were served at China Lake. A farewell luncheon will be held in his honor at the Sizzler, 1115, Thursday 29 July.

The NAWCWPNS Announcements and Human Resources Department Information are published by the PAO and inserted in China Lake's "Rocketeer" and Point Mugu's "Missile" newspapers 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 C08033, Attn: Barry McDonald, FAX 939-2796 (DSN 437-2796). Personnel at Point Mugu may send items for the Announcements section to P0703, Attn: Pat Hollenbaugh, FAX 989-1785 (DSN 351-8094). Items included in the Human Resources Department Information section are provided by the Operations, Human Resources Development, and Employee/Labor Relations Divisions 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 989-4388 (DSN 351-4388).

POINT MUGU GENERAL ANNOUNCEMENTS

GRAND OPENING OF THE CAREER TRANSITION AND RESOURCES CENTER

The Human Resources Department, Human Resources Development Division (Point Mugu) is pleased to announce the opening of their Career Transition and Resources Center in Room 31, Building 5-1. The grand opening will be celebrated with an open house on **5 August** from 1000-1500. All interested employees are invited to attend.

The Career Transition and Resources Center provides information and services for employees seeking career/job change counseling. It will serve as a repository for learning resources and materials. Employees are welcome to use the facility as a place to work on potential career and

life changes or as a learning center. Resource materials, some available for check-out, include newspapers, business journals, job vacancy listings and databases, college catalogs, periodicals, pamphlets, as well as video and audio tapes on numerous topics. Also available in the Center are an IBM 486/33 PC and a Macintosh Centris 610 equipped with job search, SF-171, resume, retirement, and personal assessment software and a laser printer, telephone, typewriter, and VCR/TV.

Beginning on **5 August**, the Career Transition and Resources Center will be open on workdays from 1000-1500 for walk-in visitors. Career and retirement counseling will be available by appointment.

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 problems? 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 989-7708 or 989-8161. Ask for Martha or Bob.

REWARD YOUR PEERS

The Weapons Systems Evaluation Directorate announces distribution of its new

Peer Award cards. Please use them to reward your peers for a job well done. To nominate your peer for additional rewards, fill out the form included with the new card and guard mail it to Code P03804Q, or call Pat Pilchard at 989-0881, Marilyn Louck at 989-0296, or Bonny Wright at 989-9035.

LABOR REPRESENTATIVE FOR BARGAINING UNIT EMPLOYEES

The exclusive Labor Representative for the bargaining unit employees of NAWCWPNS, Point Mugu is National Association of Government Employees (NAGE).

The local R12-33 President is Louis W. Rogers; he is located in trailer 10073, or call 989-1374.

INFORMATION RESOURCES MANAGEMENT CONTRACT

An Information Resources Management Contract (N66032-93-D-0003) has recently been awarded to the Metters Corporation. Subcontractors are NSR, SYSCON, and SAIC. The contract is available for use by all organizational codes at the Point Mugu site (including CAMAIR) and will provide the full range of federal information processing (FIP) software support for all business/logistics requirements at Point Mugu. The contract may also be used by the following Navy activities:

- Naval Air Warfare Center Weapons Division, China Lake, CA
- Naval Computer and Telecommunications Station, San Diego, CA
- Pacific Missile Range Facility, Barking Sands, HI
- Naval Air Warfare Center Weapons Division, Albuquerque, NM

Functional areas include, but are not limited to: financial systems development and maintenance; RDT&E range management; test and evaluation management; manufacturing and engineering production control; public works; human resources management; project and workload planning; logistics support; executive information systems; acquisition/supply/inventory; libraries; information resources management; safety; and office automation. Specific contract software support coverage includes:

- Systems design and development
- Systems maintenance and life cycle support (LCS)
- Database administration
- Data entry/word processing
- Data conversion
- Software training & installation/end user support
- Automatic data processing (ADP) security
- Configuration management
- Software management
- Information resources management (IRM) strategic planning and analysis
- Software quality assurance (QA)
- Data extraction
- Feasibility studies/technical research
- Some communications/local area network (LAN) support

Labor categories include, but are not limited to:

- Financial, supply, and management analysts
- Computer scientist
- Subject matter specialist
- Database administrator
- Operations research analyst
- Programmer/analyst
- End-user computer technician
- Telecommunications specialists and technicians
- ADP security specialist
- Technical writer

The contract is a cost plus award fee (CPAF) contract with 2 base years and 3 option years. It is an indefinite delivery, indefinite quantity (IDIQ) delivery order (DO) contract. Technical Directive Letters (TDLs) are also provided for. The contractor will be using software engineering methodologies and will have the necessary tools and hardware to substantially enhance software development efforts.

Interested organizations wishing to use this contract may refer any questions to Mr. Jeff Perdue, P6331, (805) 989-4068 (DSN 351-4068) or Mr. Randy Blackburn, P63031, (805) 989-4713. Copies of the Statement of Work (SOW) are available upon request.

FEDERAL JOB OPPORTUNITY LISTINGS

Do you want to access Federal Job Opportunity Listings?

The Human Resources Department (HRD) and the Information Systems Department (ISD) have developed a database of Office of Personnel Management (OPM) job vacancy announcements for NAWCWPNS employees. Approximately 4000 job vacancy announcements are available from over 1000 OPM offices nationwide. OPM Federal Job Opportunities Listings (FJOL) are downloaded weekly to a host computer in the HRD, Information Systems Branch.

General Schedule, General Management, Wage Grade, and Senior Executive Service (SES) jobs on the continent and overseas are listed. Job locations include the West Coast, East Coast, and other areas by region, state, and city. Users may access information from either the Centerwide Local Area Network (C-LAN), or the dial-up bulletin board service, using Macintosh or IBM-compatible PCs.

The primary advantage of the FJOL system is fast, easy access to up-to-date federal jobs information, including jobs outside the Department of Defense. Features of the FJOL retrieval software for the C-LAN PC version include keyword searches, browses, screen printouts, and the capability of copying files to your hard disk or floppy diskette. C-LAN Macintosh users can import text files into their word processing applications for searches and retrievals.

To access the FJOL, please contact the Network Administrator in your code.

For assistance regarding a job announcement on screen, use the Point of Contact listed in the announcement. Calls at Government expense are not authorized.

Network Administrators may obtain technical assistance by contacting Gina Beck, (805) 989-3328 (HRD) or Bill Woolston, (805) 989-4728 (ISD).

FEDERAL JOB OPPORTUNITY LISTINGS PROCEDURES

Bulletin Board System (BBS)

The Federal Job Opportunity Listings (FJOL) BBS is available to PC-compatible and Macintosh computers using a standard communications package (i.e., Procomm, Smartcom). The telephone number to call to log in to the BBS is (805) 989-3233, DSN 351-3233. Follow the instructions on the screen to register as an authorized user.

Centerwide Local Area Network (C-LAN)

The FJOL is also available on the C-LAN on the P62 HRD Server for the PC-compatible and Macintosh computers. Any specific questions should be directed to the network administrator responsible for the local area network in your area.

PC-COMPATIBLE COMPUTERS:

At the network prompt, type the command **LOGIN HRO1/JOBSPEC**.

MACINTOSH COMPUTERS:

Go into Chooser and click on Appleshare. A list of zones will appear. Find the zone names and click on the zone "PM HRD". Then, click on fileservers HRO1 and select "OK". Click "Registered User". In the name field, type "JOBSMAC" (no password is assigned) and click "OK". Select OFFICE and click "OK". A file cabinet icon will appear on the desktop of your Mac with the label OFFICE. Double click on the icon to open. Double click on the folders "BBS", and "MACFILES". The "MACFILES" folder contains a program called "BBEDIT". Double click on the "BBEDIT" icon to start this program. You can select job listings by state or area. Just click on an option and click "open". You can print from within this application to your local or network printer. Another option is to copy the ASCII files to your Macintosh and then take into any Word Processor to read, search, and print.

HARVARD GRAPHICS, INTRODUCTION (16 hrs.)

7-8 September; Tuesday and Wednesday, 0800-1630; Bldg. 5-1, Room 23. By: Cata Inc.
Prerequisite: Prior PC experience.

This course teaches creation of simple text charts to complex presentations with screen display effects, managing files, importing and exporting data for charts, printing charts, creating templates, and using special calculations to analyze data.

FILEMAKER PRO (8 hrs.)

8 September; Wednesday, 0800-1630; Bldg. 5-1, Room 30. By: Memory Company
Prerequisite: Prior MAC experience.

This class introduces basics of doing database management and publishing on the Macintosh. Participants will learn to set up a database file with layouts; sort data, find information, and print reports.

POWERPOINT (8 hrs.)

14 September; Tuesday, 0800-1630; Bldg. 5-1, Room 30. By: OVF Graphics
Prerequisite: Prior MAC experience.

This course combines all the graphic capabilities of your Macintosh to produce effective presentations.

CPR BASIC PROVIDER (8 hrs.)

14 September; Tuesday, 0800-1630; Bldg. 6-2, Room 46. By: Preparedness Training

This course covers the anatomy and physiology of the heart and lungs; risk factors; prudent heart living; and signs and symptoms of heart attack. Certification in the following CPR techniques: one and two person CPR; infant CPR; and obstructed airway maneuvers in the conscious/unconscious adult and infant.

CAREER TRANSITION WORKSHOP (16 hrs.)

15-16 September; Wednesday and Thursday, 0830-1630; Marriott Courtyard, Camarillo. By: Julie Streets

Prerequisite: Bring SF171 and/or resume. Participants will be introduced to job change strategies used by successful people. Using a

career decision model, individual values, skills, interests, and accomplishments are identified. Participants will learn job search strategies/techniques, networking, resume/SF171 preparation, marketing, and interviewing.

dBASE III+, INTERMEDIATE (8 hrs.)

20 September; Monday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company
Prerequisite: dBase III+, Introduction.

This class covers creating data entry screens, retrieving data from multiple databases, using query files, and creating reports on the IBM compatible.

CPR BASIC PROVIDER (8 hrs.)

21 September; Tuesday, 0800-1630; Bldg. 6-2, Room 46. By: St. John's Hospital

This course covers the anatomy and physiology of the heart and lungs; risk factors; prudent heart living; and signs and symptoms of heart attack. Certification in the following CPR techniques: one and two person CPR; infant CPR; and obstructed airway maneuvers in the conscious/unconscious adult and infant.

dBASE IV, ADVANCED (8 hrs.)

21 September; Tuesday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company
Prerequisite: dBase IV, Intermediate.

This course enhances the use of dBase IV, presenting advanced view-query design, fundamentals of update queries, and advance report design, and creating an application.

EXCEL, ADVANCED (8 hrs.)

21 September; Tuesday, 0800-1630; Bldg. 5-1, Room 30. By: Master Trainers
Prerequisite: Excel, Introduction and Intermediate.

This class covers linking techniques, creating command macros, saving and running command macros, creating function macros, and using special formatting techniques.

LOTUS 1-2-3, ADVANCED (8 hrs.)

22 September; Wednesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.

INTEL TECHNICAL TRAINING

SIGNAL PROCESSING WITH THE INTEL PENTIUM PROCESSOR IN MILITARY APPLICATIONS (1 hr.)

16 September; Thursday, 1300-1400; Building 5-1, Lounge. By: Intel

Prerequisite: General background in computer architecture
Present-day implementations of general-purpose microprocessors have performance numbers approaching the fastest digital signal processors (DSPs). This course examines how the Pentium Processor, with superscalar integer execution capabilities and fast floating-point performance, can be applied to numerically intensive military applications like signal processing, imaging, and terrain mapping.

DESIGNING A MILITARY EMBEDDED SYSTEM USING THE INTEL 486 DX2 MILITARY MICROPROCESSOR (1 hr.)

16 September; Thursday, 1400-1500; Building 5-1, Lounge. By: Intel

Prerequisite: General background in computer architecture
The Intel 486 family of microprocessors has assumed a leadership role in a wide variety of markets. This course gives an overview of the Intel 486 and demonstrates a sample of an embedded Military Intel 486 CPU design. Embedded processor design issues such as task switch times, interrupt latency, exception handling, and O/S support are discussed.

MILITARY 1860 OVERVIEW (1 hr.)

16 September; Thursday, 1400-1500; Building 5-1, Lounge. By: Intel

Prerequisite: General background in computer architecture
The Intel 1860 architecture family integrates all aspects of advanced computer architecture onto a single chip. It balances integer, floating-point, and graphics performance, making it ideal for numerical applications like imaging and signal processing. This course provides an overview of the architecture along with details about the superscalar execution capabilities of the 1860.

OPERATIONS DIVISION NEWS

APPLICATION PROCEDURES

Applications must be received at the Human Resources Department (HRD) Reception Desk, at any site, no later than 5:00 p.m. on the closing date of the announcement. Individual 171's must be submitted for each vacancy. LATE APPLICATIONS WILL NOT BE ACCEPTED UNLESS ON APPROVED LEAVE, TDY, ETC. THE ENTIRE TIME THE ANNOUNCEMENT IS OPEN. Please make a copy of your SF-171 application for your own retention before you submit it. (Only applications with original signature and date will be accepted.) Submit a copy of your latest narrative performance assessment/appraisal of record with any application filed against a vacancy announcement. If the assessment/appraisal does not clearly state the tasks/duties performed, attach a copy of your performance plan.

A supplemental narrative addressing your qualifications to each Quality-Ranking Factor (QRF) is highly recommended. This information will be used to identify "highly qualified" candidates to be referred for selection. Additional information will not be accepted after the closing date of the announcement. When multiple grade levels are advertised, applicants will only be rated for the lowest grade level they indicate on their SF-171 that they will accept and higher grade levels for which they qualify. Applicants may review the X-118 Qualification Standards at the China Lake Technical Library; at the Point Mugu Directorate/Department Resources Offices; or at any NAWCWPNS Human Resources Department Office.

AREA OF CONSIDERATION INFORMATION

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

NOTES

- If selection is made below the full performance level, the selectee may be promoted to the next higher level(s) without further competition provided the following conditions are met: (1) OPM requirements are met, (2) management determines the incumbent is performing at the higher grade level, and (3) there is work at the higher grade level to justify the promotion. **PROMOTION IS NOT GUARANTEED.**
- First time supervisors and managers are required to serve a probationary period of 12 months. Those who do not satisfactorily complete the probationary period will be returned to positions of no lower grade and pay than their former position.
- Drug Testing Designated Position.** Any applicant tentatively selected will be required to submit to urinalysis for illegal use of drugs prior to a final selection. The selection is contingent upon a negative drug test result and, thereafter, the selectee will be subject to drug testing under certain circumstances such as reasonable suspicion and after an accident. All individuals will have the opportunity to submit medical documentation that may support the legitimate use of a specific drug to a Medical Review Officer. An applicant's test result will be provided to the selecting official and servicing Human Resources office before a final selection is made. A verified positive drug test result of a current Department of Navy employee will also be provided to the employing activity/department.
- Defense Acquisition Workforce Improvement Act (DAWIA) Designated Position(s).** PL101-510 requires applicants to address Quality-Ranking Factor(s) relating to the DAWIA requirements.
- Merit Promotion Positions for Point Mugu Site Vacancies.** Applicants must meet all eligibility requirements (including, when applicable, time-in-grade, and qualification requirements) within 30 calendar days of the closing date of the announcement.

GENERAL INFORMATION

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

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

Selectees must hold or be able to obtain the appropriate security clearance.

As of 1 August 1992, Mandatory Direct Deposit/Electronic Funds Transfer (DD/EFT) became the standard payment within DoD for pay of certain civilian personnel. Newly hired civilian personnel and employees (not currently enrolled) who are selected for competitive promotion, reassignment, transfer, etc., will be required to enroll in DD/EFT within 60 days.

MERIT PROMOTION VACANCIES

ALL FOUR SITES

No. 650-001-AA93, (2) Contract Specialist, GS/GM-110212/13 or DP-1102-3, Service and Information Directorate, Procurement Department, Procurement Divisions #2 and #3, P652 and P653—Area of Consideration: NAWCWPNS. Opening Date: July 29. Closing Date: 12 August. Selecting Official: CDR Cedric Knight DSN 437-3801. HRD Contact: Ana I. Anderson (805) 989-3241. Permanent Change of Duty Station Authorized: Yes. Summary of Duties: The incumbent is the Lead Contracting Specialist in a Division of the Procurement Department. The incumbent will serve as the principal contracting advisor to customers of the Division, including representation as the Procurement Division authority at conferences and meetings; support to the customers in the development of their overall acquisition plan and coordination between NAWCWPNS, Systems Commands, NAVSUP, and other DOD and government agencies. **Quality Ranking Factor(s):** Knowledge of contracting principles and procurement procedures as they apply to Navy and RDT&E programs in an unlimited procurement authority environment. Demonstrates ability to direct work groups. **DAWIA Critical Position:** Incumbent must meet mandatory experience, education, and training requirements for a Level II and Level III Contracting Position.

No. P74-001-BD3, (1) Supervisory Physical Security Specialist, GS-080-12, Naval Air Weapons Station, Security Department, Information Security Division, P74—Area of Consideration: NAWCWPNS. Opening Date: 29 July. Closing Date: 12

WELLNESS PRESENTATIONS

The following Wellness presentations will be given by guest lecturer Jenifer Mason, Dr. P.H., M.P.H., on Wednesday 4 August in Mich Lab, Room 1000D.

0830-0930 - DOES ANYTHING WORK LIKE MAGIC? (1 hr.)

Who hasn't been guilty of trying the latest new drug, discipline, or diet that promises to be the real "cure-all"? In 1990 \$35 billion were spent on dieting gimmicks and commercial weight loss programs alone. This motivational topic emphasizes how to spot fraud and the importance of avoiding the "quick fix."

1000-1130 - REACHING YOUR GOALS (1.5 hrs.)

While most people set professional objectives in order to achieve the desired business goals, many never think to set personal goals, specifically health-oriented goals. This practical seminar gives you a step-by-step process for establishing your wellness goals and objectives, but even more importantly, for getting from point A to point B without setting yourself up for failure.

1300-1430 - FISCAL FITNESS (1.5 hrs.)

The effect of poor employee health on business is staggering. Studies conducted several years ago showed the national average cost per employee for health care was \$2455, or 11.5 percent of the payroll. Corporate health for the 90s needs to be designed specifically for the work force and company management. This presentation gives detailed information on why "health" is good business.

1500-1600 - BY BEHOLDING WE BECOME CHANGED (1 hr.)

There are really only two reasons why people look for change: things are so bad they want out or something else is so attractive. This lecture reviews some of the most popular health behavior change techniques that lead to successful short-term as opposed to long-term changes. What is the piece of the puzzle that almost invariably is missing? How do you bridge that gap between your "creed and deed" or in what you say versus what you are doing? Beholding is a unique yet practical concept and it gets to the very heart of the matter.

These are all walk-in sessions. For more information contact the Wellness Program Office, 939-2468.

POINT MUGU COURSES

NOTE: To enroll in or ask questions about Point Mugu courses, call Paula Phillips, P622, (805) 989-3981, (DSN) 351-3981.

SCIENTIFIC, ENGINEERING AND TECHNICAL TRAINING

"C" PROGRAMMING: INTERMEDIATE (40 hrs.)

16-20 August; Monday-Friday, 0800-1630; Bldg. 5-1, Room 23. By: John Francis

Prerequisite: A basic understanding of ANSI C programming syntax. This course is not for first-time programmers.

This course explores a series of C topics related to data structures, ANSI Standard C Library, C source code debugging, I/O file management, UNIX-specific system calls/routine, and C software engineering and design. Topics will include software engineering principles of object-oriented design, derived classes and inheritance, overloading and polymorphism, exception handling, templates as related to C, and C language enhancements under C++.

Presentation Method: Lecture and hands-on training.

FLIGHT TEST ENGINEERING (40 hrs.)

16-20 August; Monday-Friday, 0800-1630; Bldg. 6-2, Room 59. By: University Consortium for Continuing Education

This course covers evolution of a flight test program including need for flight test, program concerns, test assets required, types of instrumental, data reduction and analysis, and types of TSP information sources and their relationship to flight test requirements.

SOFTWARE CONFIGURATION MANAGEMENT/DATA MANAGEMENT (16 hrs.)

23-25 August; Monday-Wednesday, 0800-1630; Surfside Club, Cloud 9 Room. By: Jim Dorrell

This course is intended for SCM practitioners and personnel involved with the support of the operational systems containing embedded software. Topics include: introduction and definitions; types of software; guidance and policy sources; software life cycle; software configuration environment, management, identification, and control; software status accounting; and tailoring software configuration management.

C++: INTRODUCTION (40 hrs.)

30 August-3 September; Monday-Friday, 0800-1630; Building 5-1, Room 23. By: John Francis

Prerequisite: A good understanding of the C programming language.

This course introduces programming in the language of C++, an object-oriented programming language. Topics will include data abstraction, object-oriented design C classes, derived classes and inheritance, overloading and polymorphism, exception handling, and templates.

Presentation Method: Lecture and hands-on training.

AUTOMATIC CONTROL AND SERVO SYSTEM (40 hrs.)

13-17 September; Monday-Friday, 0800-1630; Surfside Club, Cloud 9 Room. By: Evolving Technology Institute

Prerequisite: Senior technicians with some experience in linear control systems and entry-level engineers.

This class provides a review of linear control theory followed by techniques for a pragmatic approach to digital sampled data systems. Topics to be discussed include mathematical modeling, laplace transforms, transfer functions, system response and stability, compensator design to satisfy steady-state and transient specifications, and digital control theory. Emphasis is placed on the use of modern control techniques as powerful tools in real-life design situations.

SOFTWARE/HARDWARE TRADEOFF IN SYSTEM DESIGN (32 hrs.)

20-23 September; Monday-Thursday, 0800-1630; Surfside Club, Cloud 9 Room. By: Attridge Electronics

This course addresses the criteria utilized in performing software/hardware trades with examples of these trades in avionics systems applications. Topics will include establishing criteria in performing trade, filter design trade, fault tolerance recovery approaches, electronic warfare design trade, avionics fault-handling approaches, and the trade study validation.

"C" PROGRAMMING: ADVANCED (40 hrs.)

27 September-1 October; Monday-Friday, 0800-1630; Building 5-1, Room 23; By: John Francis

Prerequisite: A good understanding of ANSI C programming syntax.

This course explores interfacing C language to the operating systems such as DOS and UNIX and use of C programming tools such as Lint and FOR-C by the student to translate two FORTRAN programs to C. Software engineering principles of object-oriented design will be discussed as related to C and the C language enhancements under C++.

Presentation Method: Lecture and hands-on training.

SOFTWARE TEST AND EVALUATION (40 hrs.)

27 September-1 October; Monday-Friday, 0800-1630; Surfside Club, Cloud 9 Room. By: Software Consultants International

Prerequisite: B.S. degree (or equivalent) in a technical field. Some practical experience in software engineering or system work helpful.

This course addresses the evaluation and test of software systems. A full-cycle treatment is provided from exploration/evaluation of user/customer needs, translation of these needs into a working useful system within affordable boundaries, evaluation of whether these needs are being met at periodic checkpoints, and continuing system support after deployment.

ADMINISTRATIVE, CLERICAL, AND SKILLS TRAINING

dBASE IV, INTERMEDIATE (8 hrs.)

3 August; Tuesday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company

Prerequisite: dBase IV, Introduction. This course focuses on data management capabilities using set commands, creating complex reports, and creating turnkey systems using IBM-compatible computers.

CPR BASIC PROVIDER (8 hrs.)

3 August; Tuesday, 0800-1630; Bldg. 6-2, Room 46. By: Preparedness Training

This course covers the anatomy and physiology of the heart and lungs; risk factors; prudent heart living; and signs and symptoms of heart attack. Certification in the following CPR techniques: one and two person CPR; infant CPR; and obstructed airway maneuvers in the conscious/unconscious adult and infant.

WORDPERFECT, INTRODUCTION (8 hrs.)

4 August; Wednesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.

Prerequisite: Prior PC experience. Learn basic operations of word processing, such as how to create, print, and save documents, and how to edit, modify, and enhance documents.

MS DOS, INTRODUCTION (8 hrs.)

5 August; Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Cata Inc.

Prerequisite: Prior PC experience. This course introduces the use of directories, file organization, and DOS commands, and explains standard hardware and applications on the IBM-compatible computer.

CPR BASIC PROVIDER (8 hrs.)

10 August; Tuesday, 0800-1630; Bldg. 6-2, Room 46. By: St. John's Hospital

This course covers the anatomy and physiology of the heart and lungs; risk factors; prudent heart living; and signs and symptoms of heart attack. Certification in the following CPR techniques: one and two person CPR; infant CPR; and obstructed airway maneuvers in the conscious/unconscious adult and infant.

WORDPERFECT, INTERMEDIATE (8 hrs.)

10 August; Tuesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.

Prerequisite: WordPerfect, Introduction. Presents intermediate skills such as merge operations, envelopes, mailing labels, macros, headers and footers, math, sorting text, columns, fonts, and graphics for the IBM-compatible computer.

dBASE III+, INTERMEDIATE (8 hrs.)

12 August; Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company

Prerequisite: dBase III+, Introduction. This class covers creating data entry

screens, retrieving data from multiple databases, using query files, and creating reports on the IBM-compatible computer.

COUNSELING FOR RETIREMENT (16 hrs.)

17-18 August; Tuesday and Wednesday, 0800-1630; Bldg. 5-1, Auditorium. By: Retirement Planning Service

Prerequisite: Minimum of 10 years civil service.

Begin planning for retirement. Participants will have the opportunity to hear experts in the areas of retirement benefits, financial planning, estate planning, and health. Among the topics discussed are civil service annuity plans (CSRS and FERS), health benefits and life insurance for retirees, Social Security and Medicare, legal and estate planning, and second career options.

MACINTOSH, INTRODUCTION (8 hrs.)

24 August; Tuesday, 0800-1630; Bldg. 5-1, Room 30. By: Computer Focus

This class teaches fundamental skills required in using the mouse; working with windows and files; working with applications; printing files; and working with the operating system on the Macintosh computer.

WORDPERFECT, ADVANCED (8 hrs.)

24 August; Tuesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.

Prerequisite: WordPerfect, Introduction and Intermediate.

This class covers graphic capabilities, automatic indexing, creation/execution of macros, and special projects applications on the IBM-compatible computer.

LOTUS 1-2-3, INTERMEDIATE (8 hrs.)

25 August; Wednesday, 0800-1630; Bldg. 5-1, Room 23. By: Tectra Inc.

Prerequisite: Lotus 1-2-3, Introduction. This course presents various Range commands, File commands, and Data commands. Learn how to password-protect worksheets, change the default settings, and use table lookups on the IBM-compatible computer.

dBASE IV, ADVANCED (8 hrs.)

26 August; Thursday, 0800-1630; Bldg. 5-1, Room 23. By: Memory Company

Prerequisite: dBase IV, Introduction and Intermediate.

This course enhances the use of dBase IV, presenting advanced view-query design, fundamentals of update queries, advance report design, and creating an application.

TQL UPDATE (2 hrs.)

2 September; Thursday, 0900-1100; Bldg. 5-1, Auditorium. By: TQL staff

This 2-hour briefing will provide an introduction to total quality leadership (TQL) with focus on terminology, background, successes, and what makes TQL work. It will also provide pertinent information on the CNO/NAVAIR/NAWCW-PNS/NAWS TQL efforts.

NOTE: OPEN TO PERSONNEL AT ALL SITES

TENTATIVE SCHEDULE
NAVAL AVIATION EXECUTIVE INSTITUTE (NAEI) FY94 SEMINARS

NAEI courses are designed for GM-13/Lieutenant Commanders and above assigned to the Naval Air Systems Command. All Senior Executive Management Development Program (SEMDP) participants are required to attend certain classes and therefore have priority for available billets. Program costs are funded by NAEI. Travel and per diem expenses of nominees are funded by their individual 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 Paula Phillips, Point Mugu (P622), (805) 989-3981 (DSN 351-3981) or from Lori Ryser at China Lake (C622), (619) 939-2686 (DSN 437-2686). Please note that a DD-1556 is NOT required. Nominations must be submitted to Code P622 prior to the NAWCWPNs deadline dates below.

COURSE TITLE	COURSE DATES	DEADLINE DATE TO P622
Location: Washington DC area Location: West Coast Area	18-22 Apr 94 6-10 Jun 94	24 Jan 94 14 Mar 94
Capitol Hill Workshop Location: Washington DC area	25-28 Oct 93 14-17 Mar 94 13-16 Jun 94	2 Aug 93 13 Dec 93 28 Mar 94
Managing Individual & Organizational Change (NEW) Location: Washington DC area	1-4 Nov 93	16 Aug 93
Contemporary Management Issues and Practices Location: Washington DC area	31 Jan-11 Feb 94 15-26 Aug 94	2 Nov 93 1 Jun 94
The Washington Arena Location: Washington DC area	31 Jan-4 Feb 94 6-10 Jun 94 19-23 Sep 94	4 Nov 93 14 Mar 94 30 Jun 94
Politics of National Security Location: Washington DC area	14-18 Feb 94 7-12 Aug 94	29 Nov 93 1 Jun 94
Military Challenges & Current Issues (NEW) Location: Washington DC area	12-14 Apr 94	24 Jan 94
Executive Leadership and Career Development Workshop Location: Washington DC area	25-30 Sep 94	11 Jul 94



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, P622, phone (805) 989-3997 (DSN 351-3997), FAX 989-4388 (DSN 351-4388).

EMPLOYEE/LABOR RELATIONS DIVISION 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 80 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 Leave Recipient). This form is available at Administration Offices at Point Mugu and Shop Store (Tel-Mart) at China Lake. Forms for Point Mugu may be mailed to P621 and forms for China Lake may be mailed to C621. For additional information please call Maria Martinez at (805) 989-3222 or Cindy Smith at (619) 939-2018.

CHINA LAKE

Richard Horton, C218

Richard is recovering from damage to the sciatic nerve.

Darlene Thompson, A24

Darlene is battling cancer and has been hospitalized while undergoing treatment.

Tonja Newcomb, P0031

Tonja is currently hospitalized for treatment.

Josefina Gerende, P25511

Josefina is undergoing surgery and is in need of leave.

Lupe Vizcarra, C2197

Lupe had a total knee replacement and will be off work for rehabilitation.

Marjorie McGinnis, C3243

Marjorie was hospitalized for a severe bi-polar disorder and is not yet able to return to work.

Dorla Goodrich, P363

Dorla is undergoing radiation treatment for her illness.

Camilla (Kim) Sullivan, P625

Kim is on leave for chronic sinus disease and is in need of leave.

David Leverett, C3223

Dave underwent major back surgery and is indebted for leave.

Debbie Gilbert, Edwards AFB

Debbie has been approved as a Leave Transfer Program recipient while her husband Lee Gilbert, Jr., undergoes

three months of intensive rehabilitation therapy. Lee suffered major injuries in an auto accident. Participation of the spouse in such therapy has been found to be a significant factor in the rehabilitation process.

POINT MUGU

Melody Dates, P004B

Melody underwent major surgery and is in need of leave.

Laura L. Geer, P235

Laura has complications of early pregnancy and is in need of leave.

Pat Pratt, P30, Naval Air Reserve Training

Pat is undergoing radiation treatment for her illness.

HUMAN RESOURCES DEVELOPMENT DIVISION NEWS

ON-BOARD TRAINING COURSE SCHEDULE

Nomination forms and course confirmation procedures to attend on-board training courses (unless otherwise noted) are outlined in the NAWCWPNs FY93 Spring and Summer Schedule Training Catalog. To obtain a copy of the nomination form (On-Board Training Request NAWCWPNs 12410/2) contact your Administration Office. For further assistance, at Point Mugu, contact Paula Phillips, P622, at (805) 989-3981, and at China Lake, contact Dorothy Wiedeheld, C622 at (619) 939-2359. Nomination forms should be submitted as early as possible to preclude courses being cancelled due to insufficient enrollment. NAWCWPNs employees may attend training at any site with supervisory approval and on a space available basis. Preference will be given to employees at the site where the training is conducted. On-board training courses are presented at no cost to NAWCWPNs employees.

CHINA LAKE COURSES

SCIENTIFIC, ENGINEERING, AND TECHNICAL TRAINING

EMC/EMI (4 hrs.)

5 August; Thursday, 0800-1130; Training Center. By: Robert Christiansen, C25654.
REQUIRED FOR ENROLLEES IN THE TMC OR SEC PROGRAMS.

This class provides managers responsible for the design, development, and acquisition of DOD platforms, systems, and equipment with the information and guidance necessary to plan and implement an effective program to achieve the necessary degree of EMC.

Note: Because of increased emphasis on E3, program managers and engineers should consider attending this course.

Deadline: 29 July.

EMBEDDED COMPUTERS (24 hrs.)

30 August-1 September; Monday-Wednesday, 0800-1600; Training Center. By: Richard Fryer, C21C
REQUIRED FOR ENROLLEES IN THE SEC PROGRAMS.

This course is a review of the primary components and trade-off parameters for embedded computer systems. It covers system development and integration issues, software development, and life-cycle support. This class will also review the DOD standard computer products and expected near-term developments in embedded computers.

Note: Anyone who was originally enrolled for the April class does not need to reapply.

Deadline: 16 August.

ADMINISTRATIVE, CLERICAL, AND SKILLS TRAINING

CAREER COUNSELING

Non-Payday Fridays; Cerro Coso Counselors; Trailer behind training center

One-on-one career counseling is available at the Career Transition and Outplacement Center located in the white trailer behind the Training Center. The counselor will be able to help with career decision-making, resume writing, and education counseling. Various programs, inventories, and assessments are available.

For more information about the services available or to schedule an appointment call 939-0873.

MAC COMPETENCY WEEK/INTRO TO MACINTOSH (40 hrs.)

2-6 August; Monday-Friday, 0800-1600; Training Center. By: Human Interface Training

This 5-day hands-on crash course is good for those new to Mac's or those who need to become competent fast!!! Class includes an introduction to Macintosh computing, Word 5.0, Powerpoint, Filemaker Pro, and Excel 4.0.

Presentation Method: Hands-On Workshop

To enroll call 939-0870.

MTF MESSAGE EDITOR for IBM (8 hrs.)

3 August; Tuesday, 0800-1600; Training Center. By: H2 Enterprises

Prerequisite: Knowledge of GENADMIN Naval Message procedures.

The objectives of this course are to create, edit, copy, and spell-check Naval messages, using the MTF Editor message preparation program, and to physically and electronically prepare diskettes in accordance with NTP-3 Annex D by placing all necessary files and messages on a floppy disk for delivery and transmission by the Naval Telecommunications Center (NTCC), China Lake. All changes in the recently released version 3.4 will be covered. Participants will also learn how to use the program's format error checking.

To enroll call Pat at 939-3159.

CARPAL TUNNEL SYNDROME (1 hr.)

6 August; Friday, 1300-1400; Training Center. By: Cindy Gruhot, Consultant

This presentation will cover the use of computers in relationship to carpal tunnel syndrome (CTS).

This class falls in the category of safety awareness.

To enroll call the Wellness Program Office, 939-2468.

MACINTOSH, INTRODUCTION (8 hrs.)

9-10 August; Monday-Tuesday, 0800-1130; Training Center. By: Margorie Hunter, C0231

Intended Audience: Beginners with little or no Macintosh experience.

Presentation Method: Hands-On Workshop

To enroll call 939-0870.

FINANCING YOUR FUTURE: An Early Look at Retirement Planning (8 hrs.)

11 August; Wednesday, 0800-1600; Training Center. By: Charla Green, Consultant

Participants will be encouraged to design and fund a financial plan to meet their retirement goals. The importance of the Thrift Savings Plan and other tax-deferred investment vehicles will be explained. The instructor will discuss several additional investment opportunities and help participants learn to invest on their own. The group may also determine and discuss related topics and concerns surrounding long-term financial planning. Ample time will be allowed for questions and group interaction.

To enroll call the Wellness Program Office, 939-2468.

BOOSTING YOUR IMMUNE SYSTEM: STRESS AND YOUR BODY (8 hrs.)

12 August; Thursday, 0800-1600; Training Center. By: Dr. Wes Youngberg, Consultant

This seminar deals with the impact stress has on our various body systems and its consequences on acute and chronic disease. Emphasis will be placed on the latest scientific studies showing the effects of various types of stress on the immune, cardiovascular, gastrointestinal, and other systems. The role of diet, exercise, and chemical dependency on stress will be discussed.

To enroll call the Wellness Program Office, 939-2468.

CSUB FALL COURSES

California State University, Bakersfield (CSUB) offers at China Lake a Bachelor's degree program in business administration and a master's degree in administration.

COURSES UNDER CONTRACT

To enroll in these courses, call Denise at 939-2648. Registration will be held at the first class meeting. Deadline for enrolling is 10 calendar days before the starting date of the class.

PSYCH602: SEMINAR IN ORGANIZATIONAL PSYCHOLOGY (5 quarter units)

16 September-2 December; Thursdays, 1610-2110; Training Center. By: Professor Sasaki, CSUB, (805) 664-2363

Scope: Examination and application of theories and concepts pertaining to the behavior of individuals in contemporary work organizations. Deals with those factors which affect positively and negatively the ability of individuals and groups of individuals to work effectively within the structure and the climate of complex organizations. Topics deal with issues associated with individual values, beliefs, attitudes, and expectations as they affect the management processes, including leadership, decision making, and communication.

Note: This is a core course for the master's degree program in business administration through CSUB.

FIN300: FINANCIAL MANAGEMENT (5 quarter units)

16 September-2 December; Thursdays, 1610-2110; Training Center. By: Professor Smetzer, CSUB, (805) 664-2311

Scope: Theory of financing the business firm under uncertainty. The supply and demand for capital, asset management, capital structure analysis, and cost of analysis of problem sets also included as well as computer applications.

Note: This is a core course for the bachelor's degree program in administration through CSUB.

MATH477: DISCRETE MATHEMATICAL STRUCTURES (5 quarter units)

15 Sept-17 Nov; Wednesdays, 1610-2110; Training Center. By: Professor El-Ansary, CSUB, (805) 664-2130

Prerequisite: Math 6C: Calculus III or equivalent or consent of instructor.

Scope: Logic and induction; functions and sequences; relations; recursive definitions; matrices and semigroups; counting; and graphs and trees.

Note: This is a required course for the bachelor's degree and a foundation course for the software engineering option for the master's degree in computer science through CSU, Chico.

COURSE NOT UNDER CONTRACT

To enroll in this course, call Denise at 939-2648 to obtain a registration form. The form must be returned to C622, along with a check for \$400 payable to CSU, Bakersfield, at least 10 days prior to the starting date of the course. Enrollments will be on a first-come first-served basis.

LRM411: ENVIRONMENTAL LAW I (5 quarter units)

14 September-23 November; Tuesdays, 1610-2110; Training Center. By: CSUB Staff.

Scope: Overview of the basic legal framework forming the background for environmental regulation, including statutes and administrative rulemaking, common law, and constitutional law. Federal, state, and local agencies involved in environmental regulation; and the permitting process and comparison of NEPA and CEQA.

Note: This is a required course for the Certificate in Environmental Management through CSUB. Undergraduate students enrolled in this course during Fall 1993 will be allowed to apply these units as elective credit for the General Business concentration.

Note: Civil service employees at China Lake taking this course and expecting to obtain tuition support must submit via department channels to C622 prior to registration a DD Form 1556 (Off-Center Training Request) with a job order number supplied by their department and an "objective" statement explaining how the course is job related. For more information, call Cecil Webb at 939-0878.

POWERPOINT ON THE MACINTOSH (8 hrs.)

12 August; Thursday, 0800-1600; Training Center. By: Paul Colter, C6264

Prerequisite: General knowledge of Macintosh concepts and usage.

In this class you will obtain the skills necessary to produce the kind of presentations you've always wanted. Topics include creating, editing, and printing presentation slides

and charts.

Presentation Method: Hands-On Workshop

To enroll call 939-0870.

OFFICIAL NAVAL CORRESPONDENCE (8 hrs.)

16 August; Monday, 0800-1600; Training Center. By: LaNelle Thompson

Intended Audience: Clerical/Administrative

personnel.

This course is for all Center personnel who type, write, or approve naval correspondence. It is a detailed overview of SECNAVINST 5216.5C and NAVWPNCENINST 5216.8, which review standards for correspondence preparation, formatting, and paperwork management.

Presentation Method: Lecture

Note: Please bring your copy of SECNAVINST 5216.5C (Correspondence Manual) to this class. If you don't have one available, you will be provided one in class.

Enrollment is on a call-in basis only. To enroll call Sue at 939-2349.

Deadline: 9 August.

ADVANCED CONCEPTS IN UNIX (20 hrs.)

16-20 August; Monday-Friday, 1230-1630; Training Center. By: Noble Nkwocha, C6343

Prerequisite: Introduction to Unix Operating Systems class or 6mos experience using Unix.

Course Objectives: The Advanced Concepts in Unix course will cover selected features of the Unix Operating System for intermediate and advanced users. These features will include the internal organization of the Unix Operating System, the Unix Shell Programming Language, and programmer's utilities, the Unix System manager's utilities, and general information for Unix programmers and managers. While the course emphasis will be on standard Unix, the hands-on experience will come from a Sun Work Station. Upon completion of this course, the student will understand how to write Unix Shell programs, and more importantly, the student will be able to discern when and when not to use the Shell programming language for a given application. This course is a sequel to the introductory course in Unix.

Presentation Method: Hands-On Workshop

Deadline: 2 August.

HOW TO READ NIF 009 (4 hrs.)

17 August; Tuesday, 1300-1600; Training Center. By: Larry Wailes, DFAS-CL, Code XEAG

This course is designed to help you read and understand one of the most important reports produced by the Center's Defense Business Operating Fund (DBOF) financial system. This course covers the basic DBOF concepts of cost center, accounting shop, job order structure, labor acceleration, stabilized rates, and applied overhead. The job order transaction cycle (commitment, obligation, accrual, and cost) is covered for labor; inventory issues; DES orders and contracts for material, services, and equipment; travel; cost distributions and transfers; and bad charges.

To enroll call Pat at 939-3159.

LOTUS 1-2-3 (16 hrs.)

23-26 August; Monday-Thursday, 0730-1130; Training Center. By: Daryl Vaughn, C622

This course is designed to provide a basic understanding of spreadsheet systems, including spreadsheet design, creation, revision, formatting, and printing.

Presentation Method: Hands-On Workshop

Enrollments are on a call-in basis only. To enroll call 939-0870.

MTF MESSAGE EDITOR for MAC (8 hrs.)

24 August; Tuesday, 0800-1600; Training Center. By: H2 Enterprises

Prerequisite: Knowledge of GENADMIN Naval Message procedures.

The objectives of this course are to create, edit, copy, and spell check Naval messages,

using the MTF Editor message preparation program, and to physically and electronically prepare diskettes in accordance with NTP-3 Annex D by placing all necessary files and messages on a floppy disk for delivery and transmission by Naval Telecommunications Center (NTCC), China Lake. All changes in the recently released version 3.4 will be covered. Participants will also learn how to use the program's format error checking.

To enroll call Pat at 939-3159.

PRE-RETIREMENT SEMINAR (16 hrs.)

25-26 August; Wednesday-Thursday, 0800-1600; Training Center, Room 114

This seminar consists of several lectures and a workshop. The lectures concern facts affecting retirement, including Civil Service and FERS retirement systems and Social Security. To obtain maximum benefit, participants are encouraged to attend all lectures. Spouses of enrollees are also encouraged to attend.

To enroll call 939-3159.

WOMEN'S SELF-DEFENSE (8 hrs.)

27 August; (FLEX) Friday, 0800-1700; MWR Gym Annex. By: Andy Stanford

This course will present strategies for avoiding a physical assault and will teach tactics for surviving such an encounter should it occur. Students will practice simple and

CLASS BEING CONSIDERED

The following class is being considered at China Lake in mid-August. If you are interested in participating, contact ET2 Troy McClain, C 8713, 939-5360.

Note: A J.O. for approximately \$300 per person will be required to cover the pro-rated cost.

ELECTRONIC COMMUNICATION PRINCIPLES

This course provides the student with knowledge of Radio Frequency communication characteristics; principles of operation; basic types of modulation, CW, AM, SSB, FM, FSK, PCM, and PAM transmission; and reception principles and theory of operation. The course also discusses antennas and the communication circuits theory of operations. The student will construct and analyze selected electronic communications circuits.

INFORMATION SESSION ON CERTIFICATE PROGRAM IN ENVIRONMENTAL MANAGEMENT

Beginning fall quarter, California State University, Bakersfield (CSUB) will offer a certificate program in environmental management at China Lake. The certificate program will consist of four five-quarter unit courses. CSUB bachelor's degree students in business administration may participate, using the courses as electives for an emphasis in environmental management under the General Business Concentration. CSUB master's degree students in administration may participate, using "500" level courses as electives in their program. The cost for the next academic year is expected to be \$400 per person per course. An information session will be held on-site on 4 August at the Training Center, with two opportunities to hear the representatives from CSUB: at 1000 and at 1300. Because space is limited, attendance will be on a first-come, first-served basis. To obtain a brochure on the program, call Cecil Webb at 939-0878.

effective unarmed blocking, striking, and groundfighting techniques under the instructor's supervision. Methods for breaking free from chokes, grabs, and bear hugs will also be covered. Loose clothing and sensible shoes such as those suitable for aerobics are recommended. Space is limited.

To enroll call the Wellness Program Office, 939-2468.

CONTRACTING OFFICER'S TECHNICAL REPRESENTATION (COTR) (20 hrs.)

14-15 September; Tuesday-Wednesday, 0800-1600; 16 September; Thursday, 0800-1130; Training Center. By: NRCC

The purpose of this course is to enhance

the administration of service contracts. The course is for people who furnish technical input to contractors, evaluate contractor performance, and perform inspection and acceptance of services provided under contract. The training is designed to ensure that COTRs understand their responsibilities in administering service contracts.

Note: This is the last time this class will be offered free-of-charge. Attendance at future classes will require a job order number. You need to be recertified if your last COTR training was before September 1990. When calling to enroll, be prepared to give the contract number you are or will be working on.

To enroll or ask questions call 939-2686.

CSUN FALL COURSES

Following are courses being offered this fall for the California State University, Northridge (CSUN) Engineering Program (master's degree). To enroll in these courses or obtain course descriptions, call Denise at 939-2648. Registration will be held at the Training Center on 17 August from 1000-1200 and 1300-1600. Enrollments in courses will be on a first-come, first-served basis, unless otherwise indicated. Courses are subject to cancellation by CSUN if there is insufficient enrollment. Classes will be received from CSUN via its Instructional Television Network (ITN). Classes for this semester begin on 30 August and end on 16 December. Book order forms may also be obtained from Denise at the time of enrollment.

EE442: Digital Electronics (3 units)

Mondays and Wednesdays, 1400-1515; Training Center (via ITN); By: Prof. Burger

EE455: Math Models in EE (3 units)

Mondays and Wednesdays, 1530-1645; Training Center (via ITN); By: Prof. Amini

EE480: Fundamentals of Control Systems (3 units)

Tuesdays and Thursdays, 1400-1515; Training Center (via ITN); By: Prof. Mishra

EE545: Solid State Devices (3 units)

Tuesdays, 1900-2150; Training Center (via ITN); By: Prof. Radmanesh

EE603: Biomedical Engineering II (3 units)

Mondays, 1900-2150; Training Center (via ITN); By: Prof. Downing

EE620: Switch Theory I

Thursdays, 1900-2150; Training Center (via ITN); By: Prof. Roosta

EE637: Pattern Recognition

Mondays, 1900-2150; Training Center (via ITN); By: Prof. Wong

EE650: Random Process

Mondays, 1900-2150; Training Center (via ITN); By: Prof. Bekir

EE651: Digital Signal Processing I

Thursdays, 1900-2150; Training Center (via ITN); By: Prof. Adams

EE658: Signal Detection and Estimation Theory

Wednesdays, 1900-2150; Training Center (via ITN); By: Prof. Van Alphen

EE674: Antenna Engineering

Wednesdays, 1900-2150; Training Center (via ITN); By: Prof. Rengarajan

EE682: State Variables in Automatic Control

Tuesdays and Thursdays, 1730-1845; Training Center (via ITN); By: Prof. Mishra

AE480: Fundamentals of Aerospace Engineering

Mondays and Wednesdays, 1730-1845; Training Center (via ITN); By: Prof. Fox

AE689: Advanced Aerodynamics

Tuesdays, 1900-2150; Training Center (via ITN); By: Prof. Epstein

IE404: Engineering Management

Mondays, 1900-2150; Training Center (via ITN); By: Prof. Campbell

IE601: Engineering Statistics

Tuesdays and Thursdays 1730-1845; Training Center (via ITN); By: Prof. Campbell