



CONCENTRATION — Jo Downing works at her loom. Her weaving skills will be demonstrated by an exhibit at the Sylvia Winslow Gallery of the Maturango Museum Sept. 8 through Oct. 3.

Museum exhibits weaving creations of former resident

Featured guest artist at the Sylvia Winslow Gallery of the Maturango Museum from Sept. 8 through Oct. 3 will be weaver Jo Downing. Her exhibit is entitled "Fruit of the Loom."

A reception honoring her will be held on Sunday from 2 to 4 p.m. at the gallery. All interested persons are invited to attend.

Mrs. Downing began weaving when she was in high school in South Pasadena, and continued her craft when she and her husband, Bob, moved to the local area in 1954.

She continued to improve her skills through many years of raising a family as well as being a Navy employee until her retirement in 1975. Since that time she has been able to devote many more hours to her craft, including attending conferences and workshops where she has studied with noted weavers from England and South America as well as others.

Mrs. Downing prefers to weave materials for clothing and other wearable accessories. Her works on display include many of these such as stoles, coats, vests, dresses, baby blankets, table linens, and bedspreads. She will demonstrate weaving from 2 to 4 p.m. every Saturday and Sunday during September. Commissions on the sale will benefit the Maturango Museum building fund.

NWC **Rocketeer**

Naval Weapons Center, China Lake, California 93555-6001

Vol. XI, No. 35 / September 6, 1985

Growth hasn't altered VX-5's mission or goals

Since its formation in 1951, Air Test and Evaluation Squadron Five's (VX-5) mission hasn't really changed. It has grown, but it still comes back to a mission to operationally test new air-to-surface weapons systems and evaluate initial tactics for those systems.

Capt. A. Martin Phillips, VX-5 Commanding Officer, Cdr. G. M. Biery executive officer and several top chief petty officers recently talked to the Rocketeer about the squadron, its goals, its people and its mission.

A prime goal of Capt. Phillips (who assumed command in April) for his tour as VX-5's skipper is to maintain the close working relationship and rapport with VX-5's host command, the Naval Weapons Center.

Understanding a need for testing and evaluation independence for VX-5, Capt. Phillips has placed a high priority in maintaining the delicate balance between developmental testing, independent operational testing and the continuing requirement for technical interchange between the Center and VX-5.

Cdr. Biery said it was, "extremely important that the close relationship...be maintained because the overall goal for both is ultimately the deployment of operationally ready weapons systems."

"There is a common end objective of quality product to the Fleet," added Cdr. Biery.

The Vampires have what Capt. Phillips sees as a three-pronged mission to:

— give weapons systems headed for the Fleet their "graduation test" in an environment in which they will be used.

— evaluate initial tactics for uses of air-to-surface weapons systems bound for the Fleet.

— and, the most evolutionary part of the mission, support the Navy's "renaissance" of Strike Warfare development. The squadron assists in developing tactics and proper employment of weapons systems along with the Strike Warfare Center at Fallon, Nevada and Marine Aviation and Tactics Squadron One at Yuma, Ariz.

Capt. Phillips said the basic mission also includes follow-on test and evaluation of weapons systems, picking up hardware



ON THE JOB — AOAN Bill Bennington's duties as an aviation ordnanceman with VX-5 includes flap brushing an F/A-18 for corrosion control purposes. — Photo by PH3 Greg Hogan

from the Fleet some time after initial deployment and testing additional aspects of its employment.

Cdr. Biery noted VX-5 ensures sailors from the Fleet can operate, load and maintain weapons systems as they are developed. That's one reason the squadron wants a high percentage of Fleet sailors doing the work.

Because VX-5 is a test and evaluation squadron, concerned with air-to-surface weapons systems, it needs a wide variety of aircraft to carry out the mission. With at least eight different types of aircraft assigned, a real challenge to maintenance and support personnel is keeping them all working and on line.

"There are no specialists here," said AMCS Patrick Crocker. "We have people who transfer in from an A-6 squadron and leave three years later as an expert on six, seven, eight different types of aircraft," he added.

ATCS B. N. Keen, Command Senior Chief, recalled serving with A-6 squadrons where the arrival of a pilot transferring from VX-5 was anxiously awaited. "They wanted to pick his brain for knowledge on the latest developments," said the Senior Chief.

The Vampires seek highly motivated, highly successful, self-starting, Fleet-qualified officers and enlisted personnel. Because of the difficulty in keeping Fleet-qualified personnel at the level sought, quality leadership, all the way down to crew leaders, is a vital part of making VX-5 the successful operation it has been over the years.

The chiefs, talking about training, said they were especially pleased to see the results of VX-5's training going to the Fleet. The experience gained during a tour of duty with VX-5 at China Lake is without parallel in the Navy.

Cdr. Biery noted VX-5 is a fine opportunity for junior officers (Navy lieutenants and lt. commanders and Marine captains and majors) as Operational Test Directors who are called on to assume a great deal of responsibility. "They're given multi-million dollar projects," said Cdr. Biery, and asked to write a test plan, prosecute testing, evaluate the results

(Continued on Page 7)

Legal Aid of IWV totally funded by United Way

About 125 clients last year received help from Legal Aid of Indian Wells Valley, Inc., a member agency of the United Way of Indian Wells Valley, and totally funded by the United Way.

The all-volunteer board of directors of the agency meets with potential clients each Monday between 4:30 and 5:30 p.m., hears what the needs of those individuals might be, and then decides whether the help needed should be funded by Legal Aid. No advance appointments are required.

In many instances, the agency will pay for an initial visit and consultation with one

of the five attorneys who work with the group, but having such an initial visit does not ensure that all legal costs for help will be covered by Legal Aid.

"We have a very limited amount of money," says Henry Espinoza, who serves as president of the board of directors, "and there are an awful lot of people who need help, so we have to be very selective."

Many of those seeking help are referred by the District Attorney, courts, Kern County Welfare and other United Way agencies. Cases deal with personal, civil matters, such as obtaining restraining

orders, divorce actions, child abuse, dealings with landlords, among others.

Sometimes, notes Espinoza, the Legal Aid board can refer the client to another agency that can help, such as the Women's Shelter, or the County's Child Protective Services. He emphasizes that the Legal Aid board members themselves are not attorneys and are not able to provide any legal advice. "All we do," he says, "is to use our judgment to determine if sending the client to an attorney would be an appropriate use of the moneys we receive each year from the United Way."

NWC streets get new seal, parking not recommended

Street paving is currently underway in the Center housing area. Streets will be blocked off while a slurry seal is applied. Please do not park on new seal for a period of 30 days. You can drive on the street as soon as road blocks are removed. Only one side of street will be blocked at any given time. After first work is completed, a second and final seal will be applied in two weeks.

Painting of house trim will begin in the Site "A" Capehart area this week. Units in the Hill area and Site "B" Capeharts will also be painted. When a door knob notice is received from the contractor, please cooperate in having all personal property moved away from the area to be painted. The contractor will take necessary precautions not to harm shrubs and bushes; however, if residents want to cover or pull them away from wood trim, please do so.

Contact Syble Cope at the Housing Office for more information regarding either of these projects at NWC ext. 3411, extension 417.

Shipwreck Party at CPO costs \$9 per stranded castaway

It's party time at the Chief Petty Officers' Club tonight. The CPO offers a night of enjoyment at its CPOA Shipwreck Party. The dinner special for the party is school sirloin steak. Tickets for tonight's event are \$9 per person with festivities beginning at 6 p.m. The regular dinner special for the evening is prime rib, served from 6 - 9 p.m., at \$9.75 per plate.

Red Cross has open house Tuesday

The Indian Wells Valley Branch of Kern Chapter, American National Red Cross invites all local residents to attend an open house on Tuesday from 4:30 to 6:30 p.m. at the Red Cross office, 1811 Lauritsen Road.

Aim of the open house is to permit local residents to meet the new Red Cross staff person, Diane Grattaroti, and to see displays of services offered by Red Cross in this area. Mrs. Grattaroti will also discuss disaster preparedness plans, and present information about Red Cross classes offered. In addition, there will be demonstrations of cardiopulmonary resuscitation.

Anyone with questions about the open house or questions about Red Cross services is invited to telephone NWC ext. 3208 between 12:30 and 5 p.m. Mondays through Fridays.

Monday Night Football

Members and guests are invited to view Monday Night Football on the large screen in the Barefoot Bar at the Commissioned Officers' Mess. For the entire season, the bar will be open on Mondays from 4 to 10 p.m.



Weekend Roundup

"Interviewing Techniques for Winners" will be the topic at the next open meeting of the East Sierra Careerwomen's Network on Wednesday, Sept. 25. Speaker for the meeting to which all interested persons are invited is C. Karen Altieri, Professional Recruitment Coordinator for NWC.

The meeting will be held at LeParc restaurant, Heritage Inn in Ridgecrest. Networking begins at 6 p.m., with a dinner of chicken a la creme served at 7 o'clock.

Ms. Altieri's discussion will include how to take control of an interview when applying for a job, as well as how to best prepare for such an interview. For managers, she will discuss what to look for when interviewing and how to determine any potential problems as well as how to avoid the "snow job."

Prepaid reservations are required. The price of dinner, \$8.50, includes the meal, dessert, coffee or tea, tax and tip. Reservations can be made by mailing a check to ESCN, 429 Tepatitlan Court, Ridgecrest, CA 93555. Tickets can also be purchased at the Chamber of Commerce office at 303 South China Lake Boulevard in Ridgecrest.

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Even though school has started once again, the NEX still has some great back to school fashion buys for children and adults, as well as school supplies for a reasonable price.

Tomorrow is the Grand Opening for Toyland, and free balloons are available for all children who attend the event.

Auto care can be painless when shopping at the auto service center for parts to have the car repaired. While over there, check out the gasoline prices and save a few pennies.

Movies

FRIDAY, SATURDAY	SEPT. 6, 7
"MISSING IN ACTION"	
Starring	
Chuck Norris and M. Emmett Walsh	
(Action-Drama, Rated R, 102 min.)	
SUNDAY	SEPT. 8
"PETER PAN"	
Voices by	
Bobbie Driscoll and Kathryn Beaumont	
(Animated-Fantasy, Rated G, 77 min.)	
MONDAY	SEPT. 9
"GOTCHA"	
Starring	
Anthony Edwards and Linda Fiorentino	
(Drama, Rated PG-13, 101 min.)	
WEDNESDAY	SEPT. 11
"THE WARS"	
Starring	
Brent Carver and Martha Henry	
(War Drama, Rated R, 120 min.)	
FRIDAY	SEPT. 13
"CODE OF SILENCE"	
Starring	
Chuck Norris and Henry Silva	
(Drama, Rated R, 101 min.)	
Starting Times: Matinee / 2:00 pm Evening / 7:00 pm	
Box Office Opens: Matinee / 1:30 pm Evening / 6:30 pm	
(G) ALL AGES ADMITTED General Audiences (PG) ALL AGES ADMITTED Parental Guidance Suggested (R) RESTRICTED Under 17 Requires Accompanying Parent or Adult Guardian	



Weather Report

	Max.	Min.	Peak wind
Fri.	107	70	22 knots
Sat.	106	65	25 knots
Sun.	103	65	26 knots
Mon.	94	73	37 knots
Tues.	82	62	26 knots
Wed.	78	50	18 knots
Thurs.	83	57	14 knots

All measurements are made at Armitage Airfield.

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FROM:

PLACE
STAMP
HERE

TO:



COMMISSIONING — Newly sworn in CW02 Gary Burns, accompanied by his wife, Becky, accepts the congratulations of LCdr. A. N. Briggs (right) Officer in Charge of Explosive Ordnance Disposal Group One China Lake Detachment. — Photo by Clare Grounds

Skipper commends EOD for earning their Battle 'E'

Commending personnel who work on the "outer edge of the envelope" Capt. K. A. Dickerson, NWC Commander, made a formal presentation of the Battle "E" to Explosive Ordnance Disposal Group One Detachment, China Lake.

"This group performs work in an environment and under conditions that would weaken the knees of most of us," commented the Skipper. He said he was proud of the people who had brought the Battle Efficiency award to China Lake. He called their efforts a higher challenge in explosive ordnance disposal.

China Lake's EOD Detachment has been actively involved in research, development and improvement efforts of weapons like Skipper, the Hellfire missile, Harpoon, Walleye, Rockeye and more. Capt. Dickerson characterized them as a well organized, highly trained and deeply dedicated group of men.

Capt. Dickerson also pointed out the China Lake EOD personnel had been called

the best detachment ever seen by their inspecting officer during Battle E competition. They had to beat out 15 other west coast EOD detachments in day-to-day performance, training readiness and actual inspections to capture this highly prized honor.

Inspectors not only rated China Lake's detachment as best overall, but said they were clearly superior in each of the several phases of competition.

China Lake's detachment is tasked with rendering safe and recovering explosive ordnance that has been fired, dropped or placed in a manner to pose a hazard to buildings, material or personnel throughout the more than one million acres of Naval Weapons Center land.

During the period ending Dec. 31, 1984, that the detachment was rated on, they also renovated new facilities and made a major move while maintaining the same level of detachment readiness.

(Continued on Page 5)



DIVINE SERVICES

PROTESTANT

SUNDAY WORSHIP SERVICE 10:30 a.m.
SUNDAY SCHOOL (Annexes 1, 2, 4, and the East Wing) 9 a.m.
BIBLE STUDY (East Wing)
Tuesday 7:30 p.m. (Nursery provided) Sept. through June
Wednesday 11:30 a.m. Sept. through June
Thursday 7:00 p.m. Officer's Christian Fellowship
Christian Military Fellowship

SUNDAY MASS 9:00 a.m.
CONFESSIONS (Sunday) 8:15-8:45 a.m.
COMMUNION SERVICE (Monday) 11:35 a.m.
DAILY MASS (Tuesday through Friday) 11:35 a.m.
CONFESSIONS (Friday) 4:30-5:00 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday) Sept. to May 10:30 a.m.

JEWISH

WEEKLY SERVICES (Friday, East Wing) 7:30 p.m.
ADULT EDUCATION (Saturday, Annex 4) 9 a.m.
RELIGIOUS SCHOOL (Sunday, Annex 95) 9 a.m.

Chaplain J. Milton Collins, Capt., CHC, USN
Chaplain A. J. Smith, Cdr., CHC, USN
Chaplain Jason E. Knott, LCdr., CHC, USN
Phone, NWC ext. 3506, 3507

Protect ears from excessive noise

by LT J. O. Saul, MSC, USNR

The ability to hear is one of our most precious gifts. Without it, it is very difficult to lead a full life either on or off the job.

Excessive noise can destroy the ability to hear, and may also put stress on other parts of the body, including the heart.

For most effects of noise, there is no cure, so that prevention of excessive noise exposure is the only way to avoid health damage.

The damage done to hearing by noise depends mainly on how loud it is and on the length of exposure. The frequency or pitch can also have some effect, since high-pitched sounds are more damaging than low-pitched ones.

Noise may tire out the inner ear, causing temporary hearing loss. After a period of time off, hearing may be restored. Some workers who suffer temporary hearing loss may find that by the time their hearing returns to normal, it is time for another work shift so in that sense, the problem is "permanent."

With continual noise exposure, the ear will lose its ability to recover from temporary hearing loss, and the damage will become permanent. Permanent hearing loss results from the destruction of hair cells in the inner ear — cells which can

never be replaced or repaired. Such damage can be caused by long-term exposure to loud noise or, in some cases, by brief exposures to very loud noises.

Normally, workplace noise first affects the ability to hear high frequency sounds. This will typically affect a person's ability to understand speech since the majority of speech is comprised of consonant sounds which are high frequency in nature. If one is not able to "cue in" on consonant sounds because of a high frequency loss of hearing, speech or other sounds may be unclear or distorted.

Although research on other effects of noise is not complete, it appears noise can cause quickened pulse rate, increased blood pressure, and a narrowing of the blood vessels, all of which could possibly lead to heart disease.

Workers exposed to noise sometimes complain of nervousness, sleeplessness, and fatigue. Excessive noise exposure also can reduce job performance and may cause high rates of absenteeism.

Through proper enforcement of the Hearing Conservation Program, i.e., wearing proper hearing protective devices, the effects of noise can be prevented. It is your responsibility to protect your hearing — so do it.

Times change for chapel services

Beginning this Sunday, Catholic Mass and Protestant Services at the All Faith Chapel will change worship times.

Roman Catholic Mass will begin at 9 a.m., with confessions preceding Mass from 8:15 to 8:45. Religious Education Classes (CCD) in Annexes 1, 2, and 4 will be held on Sunday mornings from 10:30

to 11:30.

Protestant Worship Services will now begin at 10:30. Sunday School, held in Annexes 1, 2, 4, and the East Wing will precede the service from 9 to 10 a.m.

Peruse the Chapel column on page two to check for activities times remaining the same and for new changes.

Employee in the Spotlight

Hard work, dedication to budget pay off for Doris Laffoon

Doris Laffoon sees unlimited opportunities in the work force for women at China Lake, and her rise to her present position is proof of that statement.

"The people here are good, and so willing to help others advance," says the head of the Test and Evaluations and Support Budget Branch in Central Staff. Mrs. Laffoon, was promoted to this position a little over a year ago. While pursuing family interests, she has held a myriad of positions in Central Staff and has worked as an Administrative Officer in the Research Department.

Positions she held in Central Staff were located in the Accounting and Disbursing Division (where she worked several times and eventually became Deputy Disbursing Officer), and in the Budget Division. She left budget in 1977 to work in the Research Department as an Administrative Officer "to gain more rounded administrative experience," says Mrs. Laffoon. She adds, "I knew when I left the Budget Division that I'd return, because budget is my first love, but that AO job was the most fun job I've ever had in my life."

Through the external degree program NWC offers she returned to college, earning a degree in business administration from Cal State Bakersfield in 1978.

In December of 1982, Mrs. Laffoon returned to the Budget Division as a Financial Management Advisor (FMA) for the Aircraft Weapons Integration Department; she remained in that position until July of 1984 when she was promoted to her present position.

As a branch head in the Budget Division, Mrs. Laffoon supervises FMAs and other filed personnel. "I see my job as keeping the division staffed and running smoothly so that NWC has good financial support," comments Mrs. Laffoon. Her position enables her to see the development of the goals for the Center's growth; she says that these insights make her job very interesting. "I've always thought that budget was the place to be," she says, "and at the moment I don't see any other place that I would rather be."

That statement, however, does not apply when it comes to traveling. She and her husband, Doug, a China Lake fire fighter, and their three daughters enjoy traveling and visiting Pismo Beach for vacations.

Mexico is another favorite travelstop because of its uncommercialized atmosphere in the areas to which they've traveled, and the east coast is another common visiting place where Mrs. Laffoon has relatives.



REVIEWING WORK TOGETHER — Doris Laffoon, head of the Test and Evaluation and Support Budget Branch, and Yvonne McCabe, one of the Financial Management Advisors, discuss some aspects of work completed in the budget division. — Photo by Clare Grounds

Auction scheduled for Sept. 17

The Reutilization and Marketing Office, China Lake, announced that a public Local Auction IFB 41-5591 will be held on Tuesday, September 17. The sale will start at 9 a.m. in Bldg. 1073, Warehouse 41. The public is encouraged to bid.

Among the 178 items to be offered will be electric motors, heaters, light fixtures, evaporative cooler pads, packing and gasket materials, electrical supplies, auto parts, welding electrodes, IBM typewriters, plumbing supplies, Ford 240 engine rebuild kit, Bogen amplifiers, voltmeters, power supplies, wood desks, generator sets, welders, shelving, building siding, rations (suitable for animal consumption), and trucks.

The items will be on display for inspection beginning September 9 from 8 a.m. to 3 p.m. daily except weekends. A complete list as well as sale terms and conditions may be seen at Bldg. 1073, Warehouse 41.

Registration will begin at 8 a.m. on the day of the sale. Bidders must be present and registered to bid; mailed bids cannot be accepted. Items purchased may be removed on the sale date provided full payment is made. Payment must be made in cash or guaranteed instrument (money order, cashiers check, travelers check, etc.). Purchasers will have until September 24 to pay for and remove items before storage charges are applied.

VX-5 . . .

(Continued from Page 1)

and then brief the entire package to higher headquarters.

"They are encouraged to use their Fleet experience on operational tests," added VX-5's Executive Officer.

It's been Cdr. Biery's experience that these individuals have risen to the challenge of the job. "It's good duty and what they do and learn here goes back with them. They go back to an operational squadron as an expert," he said.

Squadron personnel are called on to take weapons systems wherever needed for testing. Dets to Key West, Florida or Cold Lake, Canada, and points in between, are used to test in the kinds of environments likely to be found on board a ship.

They also go aboard carriers to see if systems are compatible with shipboard loading and storage and to see if Fleet sailors can load and maintain weapons systems without a technical representative at their shoulder.

Capt. Phillips and Cdr. Biery stressed VX-5's role in testing not just a weapon, but the weapons system, with an emphasis on the system. As Capt. Phillips pointed out, a test attempt that might be considered "no test" because of a malfunction in developmental testing could go down as a failure in an operational test because some part of the system, such as training or publications, failed to do the job. An operational test for the Vampires includes logistics support, check-lists, evaluating operational flight programs, technical manuals and all facets of using and maintaining a weapons system in a Fleet environment.

VX-5 has been a squadron with high morale and productivity over the years. Squadron personnel feel several factors have kept it that way.

The squadron has an outstanding flight safety record. Time free of aircraft accidents is more mission productive time according to Capt. Phillips.

AECS William Boles praised the squadron's willingness to recognize top individual accomplishments. "Most of our people put out more than 100 percent," he added. The little extra recognition and efforts to take care of our people are factors in VX-5's accomplishments.

As Senior Chief Boles said, "We need to maintain a higher than normal mission capable rate for all aircraft because most have a specific mission capability needed for specific or dedicated testing. The ability to meet test schedules speaks highly of our people."

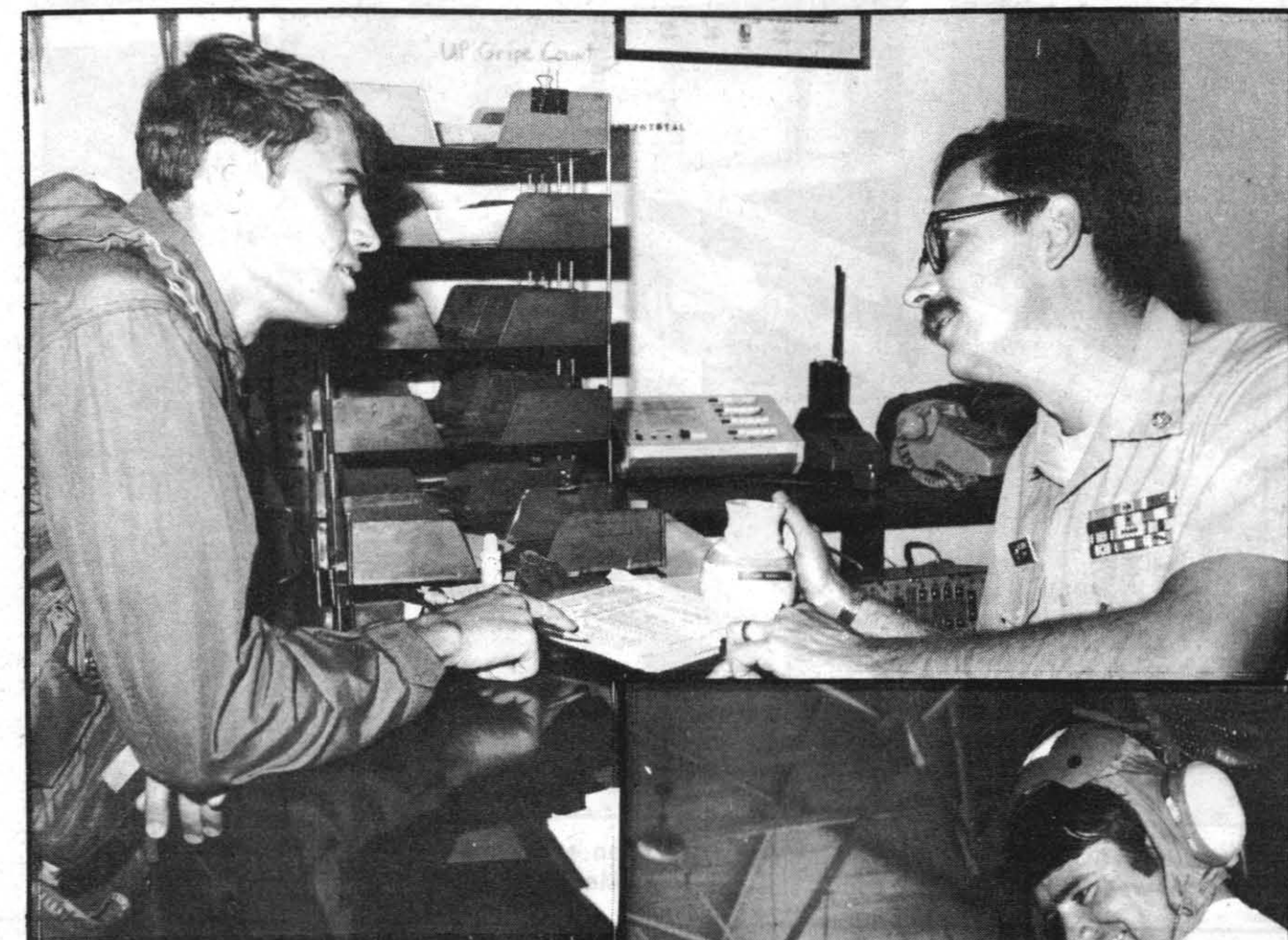
Capt. Phillips and Cdr. Biery have a bottom line goal of successful prosecution of VX-5's mission. They feel it can be rewarding, enjoyable and professionally satisfying for all concerned.

They see the total package of rapport with the Naval Weapons Center and China Lake's environment, personnel and community as a huge shot in the arm toward meeting their goal.

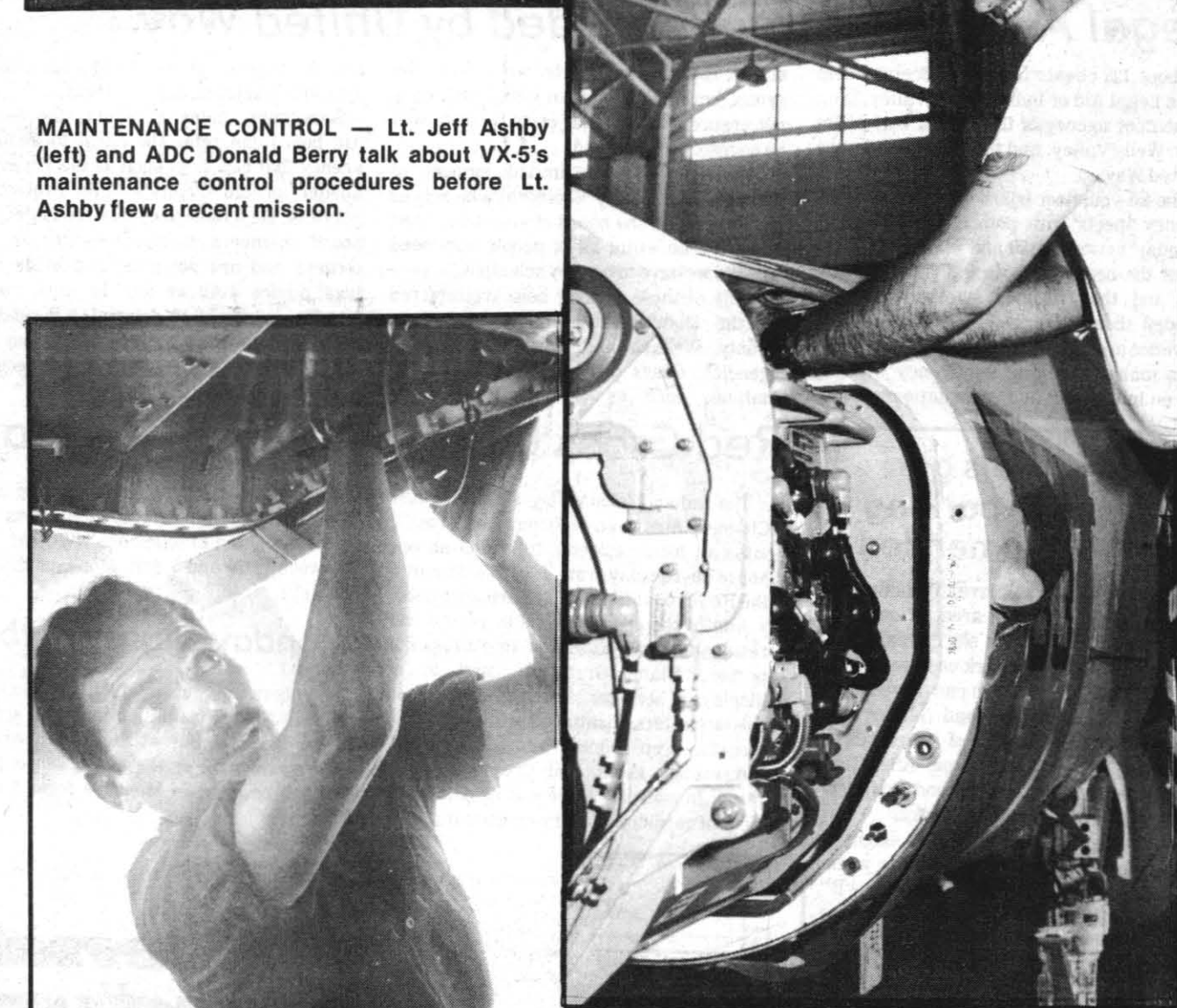
Since 1951, VX-5 has been committed to test and evaluation of air-to-surface weapons and tactics. Today the squadron is carrying out that same mission and more. It is striving, through the direction of COMOPTEVFOR, to maintain the finest, most reliable air-to-surface weapons force in the world.

And VX-5's leader think they have just the right people to do it.

FUEL SYSTEM — AD3 Ruben Reyes works on the fuel system on an F/A-18 assigned to VX-5. The Hornet is the newest aircraft used in VX-5's test and evaluation mission.



MAINTENANCE CONTROL — Lt. Jeff Ashby (left) and ADC Donald Berry talk about VX-5's maintenance control procedures before Lt. Ashby flew a recent mission.



INSPECTION — AO2 Delbert Galloway reaches inside the nose of an F/A-18 Hornet to inspect part of the aircraft's gun system. The Hornet is one of several different types of aircraft assigned to VX-5.

Photos by PH3 Greg Hogan

NWC Rocketeer

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Scorpions open fall soccer play on Saturday

Ridgecrest's Scorpion Soccer Club Under-19 team kicks off their 1985 season tomorrow (Saturday) by hosting Victorville's Mustangs at 3 p.m. All home games are set for Murray Junior High's soccer field.

Last fall the Scorpis had a 4-6-1 record, then improved to a 7-4-1 spring mark. Coaches expect the squad to stay close in every game, but don't anticipate blowouts in either direction this fall.

In the Inland Empire Youth Soccer League, San Bernardino and Redlands are top rated squads, with Ridgecrest and Victorville ranked in front of Yucaipa and Rialto.

All 17 players return from last fall's

Scorpion team and only two of them are seniors, leaving a lot of hope for continued improvement by a still, rather young squad.

Jason Cherry will again be in goal for the Under-19 Scorpion squad. Leading the defense will be John Placencia, Neil

Johnson, Brian Hayes, Mike Mills and Roger Smith, one of two seniors on the team. Midfield features Scott Piri, Doug Dragovich, Scott Hannon, Bill Ledden and Sam Greenmun, the team's other senior. Experience in the midfield slots make Ridgecrest top rated among loop teams in

this critical area.

Joe Gregory, with backup from Brian Collie, John Peterson, Jon Brainbridge and Joe Pakulak will do the attacking for the Scorpis this fall.

Also on Saturday, the Under-16 Scorpion team will be in action with a game against Barstow Condors at 1 p.m., also on Murray Junior High's soccer field.

SCHEDULE, UNDER-19 SCORPIONS:
Sept. 7 VICTORVILLE, Sept. 16, RIALTO, Sept. 21 AT San Bernardino, Sept. 28 REDLANDS, Sept. 29 AT Yucaipa (1 p.m.), Oct. 4 At Victorville (2 p.m.), Oct. 12 AT Rialto, Oct. 19 SAN BERNARDINO, Oct. 26 AT Redlands, Nov. 2 YUCAIPA. (Home games in CAPITALS).



Sports

Holiday anglers find fishing was very good

Labor Day weekend brought crowds to most fishing spots in the Eastern High Sierra region. But, because of heavy stocking of fish and some less than ideal weather conditions, persistent visitors caught fish.

High winds kept boats off Bridgeport area lakes and a high, fast lower Owens River made for less than ideal fishing.

In the Lone Pine and Big Pine areas, anglers were catching lots of planted rainbow trout on a variety of baits including cheese, marshmallows and red eggs. Some brown trout were also being landed, mostly by those anglers fishing with worms.

Independence, Lone Pine, Taboose and Big Pine Creeks were all heavily planted for holiday visitors.

Labor Day weekend was the last weekend for boats on Crowley Lake. Shore anglers taking advantage of the new, extended season with reduced limits are finding fishing best at the mouth of the Owens River.

Convict Lake anglers are doing best from shore using marshmallows and floating cheese baits. Trollers are going deep with Panther Martins or Needlefish.

Lake Sabrina was crowded, but most anglers were catching fish. Lots of limits of pan-size rainbow trout. Trollers didn't have as good a luck as shore-based anglers. Bishop Creek was yielding lots of planted trout on all kinds of baits.

South Lake was just fair, with most anglers landing planted trout 8-10 inches in size using cheese, eggs or worms.

Mammoth area waters were among the busiest in the region last weekend. Fishing was good despite the pressure. Lakes

Mary, George and Mamie are yielding a large number of pan-size trout to anglers fishing with cheese, eggs, worms or marshmallows. Twin Lakes are best with flies in the evening for anglers fishing near the waterfall on the backside of the lake.

June Lake Loop anglers were all catching fish. On Gull Lake the key was fishing with any fly that had yellow on it. Shore-based anglers were using all kinds of baits with success.

Upper Twin Lake of Bridgeport was too windy for boaters, but shore fishing was good for anglers using cheese and marshmallows. Lower Twin gave up a good number of pan-size or large rainbows and a few Kokanee salmon, mostly on baits.

The few brave anglers fishing a windy Bridgeport Reservoir landed browns and rainbows averaging about two pounds with floating cheese the best bait.

Six hundred forty thousand tiny trout floated through the high altitude heavens and into cold, clear lakes, the largest number of Kamloops fingerlings planted by the Department of Fish and Game by air since 1967.

DFG warden-pilots Joe Santana and Bob Cole flew eight trips over selected high Sierra lakes July 17-18, four trips each day, to dispatch fish from two 70-gallon, specially designed tanks built into the department's new Beacherft Super King Air 200.

Although the tiny fingerling trout remained in the wild blue for only a short time before floating to the surface of one of 123 high altitude lakes, it must have been the ride of a lifetime for a young fish.



SOCCER KICKS — Saturday (tomorrow) marks the opening of 1985 fall play for Scorpion Under-19 soccer players. The Scorpis, seen in spring action here, are one of the top four teams in the Inland Empire Youth Soccer League this fall.

No-shooting zone posted

During dove hunting season, smart doves will head into the area between Desert Memorial Park Cemetery and Bowman Road. This is a no-shooting zone because of its proximity to houses.

Kern County Sheriff's Deputies and other law enforcement officers will patrol the area checking for violators because they

received numerous complaints during dove hunting season about hunters whose eagerness to get a shot made them disregard the no-shooting zone regulations.

Hunters can get maps showing the no-hunting zones at the Sheriff's Department substation, 124 E. Coso Street in Ridgecrest.

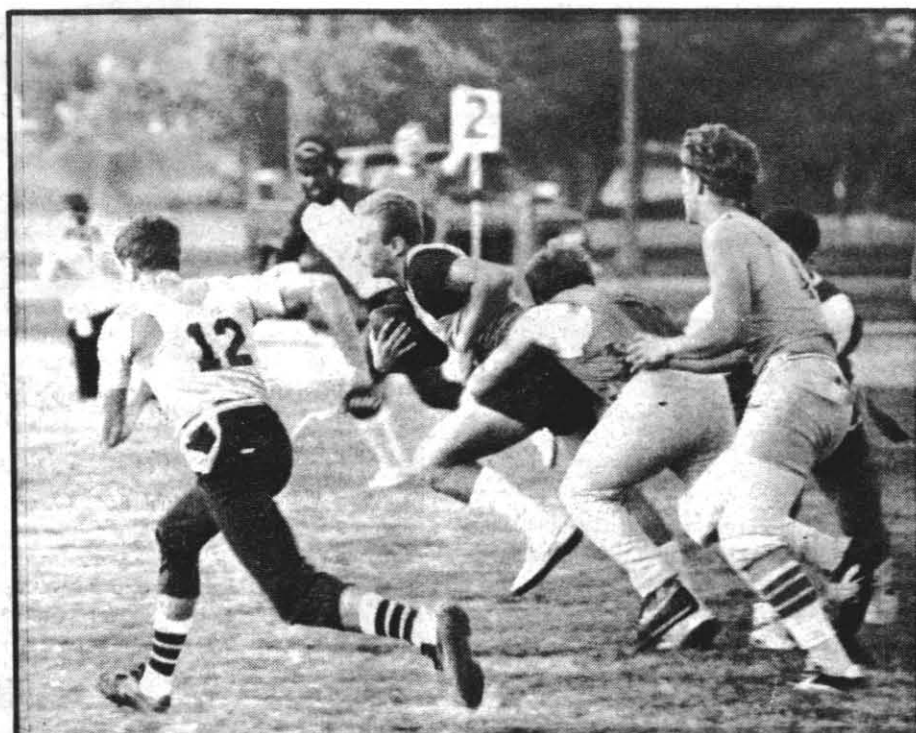
Game feast set Sept. 29

Gourmets who would like to taste such classics as boar and venison meat are invited to attend the 20th annual San Luis Obispo Wild Game Barbecue on Sunday, Sept. 29.

The San Luis Obispo Sportsman's Association will feature an array of wild game including bear, elk and a variety of fish. The feast begins at noon in Cuesta Park at the northern edge of San Luis Obispo on Highway 101.

Tickets can be purchased from the San Luis Obispo Chamber of Commerce at \$6 for adults and \$3 for children under 12. More information about the barbecue can be obtained from the San Luis Obispo Chamber of Commerce at 1039 Chorro Street, San Luis Obispo, CA 93401, (805) 543-1323.

San Luis Obispo is on Highway 101 midway between Los Angeles and San Francisco. It can be reached by driving to Bakersfield, then north on either 15 or Highway 99 to Highway 46 and south to San Luis Obispo on Highway 101.



FLAG FOOTBALL — China Lake squads will be getting ready for NWC Commander's Cup Flag Football competition later this year with action similar to this expected to highlight games when the tussle begins for this year.

Flyfishers bill fly tying class

Aguabonita Flyfishers will conduct a fall fly tying class starting Tuesday, September 10. The first meeting will be for general information, detailing what the class will consist of, meeting nights, costs, etc.

Classes will be held at Grace Lutheran Church, corner of Norma and Las Flores. The class is open to all interested individuals. For further information contact Chuck Newmyer at 375-5810.

Deep-sea anglers have good luck

Fishing has been great off the central California coast during the past couple of weeks. The biggest fish caught by those heading to sea on the half-day fishing trips was a 50-pound opah, but lots of good sized lingcod are also being brought in.

Most of the fish taken by the anglers who head out only a little way into the ocean are red rock cod, bass, and red snapper; the average angler is bringing back from 10 to 14 fish on a half-day trip.



The Skipper Sez...

QUESTION

Civilian Employee — I would like to know why Public Works is taking all the lunch rooms out of our shops. They're making two main lunch rooms, but I always thought it was a policy that they had to supply us a lunch room within our shops. Thank you.

ANSWER

When the Public Works Department had in excess of 750 tradesmen on board it was necessary to provide numerous lunchrooms. This resulted in a lunchroom in nearly every separate shop. Today there are less than 200 tradesmen, and some of these work in remote range shops. Others work on planned jobs outside of the FH area, and do not return to the Public Works Compound for lunch. Today it is common to see two or three tradesmen eating lunch in a lunchroom designed for thirty men. Because of these changing conditions, and the ever increasing need for operational and secure storage space, it was necessary to consolidate the PW lunchrooms for more efficient use of available facilities.

QUESTION

Civilian — Hello, Captain. I was wondering if there could be something done about the area around the back of the Michelson Lab, around the side where they had the flood. There's a lot of debris, trash, and things like that that were brought out from the flood and still seem to be there, particularly around the back entrance way, near the Photo Lab section of Mich Lab. It looks like a big junk pile. I take visitors down there, and more often than I'd like, it's a little embarrassing back in there. Thank you.

ANSWER

The junk pile west of Wing 1, Michelson Laboratory, cannot be disposed of until I am certain it is of no value to the Center. The foreman of the Michelson Laboratory Service Shop and his crew removed most of this equipment from the basement after the flood, and to this date, no cognizant code has claimed the remaining debris, etc. I am having everything carefully screened to ensure we do not throw away usable equipment. The process is labor intensive, but in this day and age, I cannot afford to take a chance on throwing away valuable equipment in the process of cleaning up. Please bear with me, hopefully it will be completed by the end of this month.

QUESTION

I wonder why the sign at the traffic circle coming into the base has all the activities from in town advertised on it instead of more base activities? Thank you.

ANSWER

The purpose of the traffic circle Bulletin Board is to inform Center personnel of activities throughout the community.

Statistics for the past year show 67 messages posted for activities on Center and 16 activities off Center. We are one community and the items selected are of general interest whether you live on Center or off Center.

QUESTION

Civilian Employee — I noticed in a recent Rocketeer that 4 secretary chairs were stolen with a value of \$3,000. That's \$750 bucks a secretary chair. Isn't that nearly as bad as our ashtrays for the A-6? Thank you.

ANSWER

You are correct that we would have a problem if we were buying secretary chairs for \$750 each! However, that is not the case. Because of an error in the police report, the \$3000 price which appeared in the Rocketeer should have been for an order of 24 chairs, not for only four chairs as originally reported. Therefore, we paid \$125 each for the chairs, which is a much more reasonable price. Thanks for being so observant.

All China Lake, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. K. A. Dickerson. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.

Environmental specialist studies NWC water quality

Bringing added skills to the Environmental Branch of the Public Works Department is Linda Kane, who will spend 60 percent of her time on monitoring water quality and about 40 percent responding to hazardous waste concerns.

She will test water quality, monitor various ponds on the Center, and also monitor ground water quality as primary duties. In addition, she will respond to questions about hazardous waste storage and will be called on to respond to any hazardous spills.

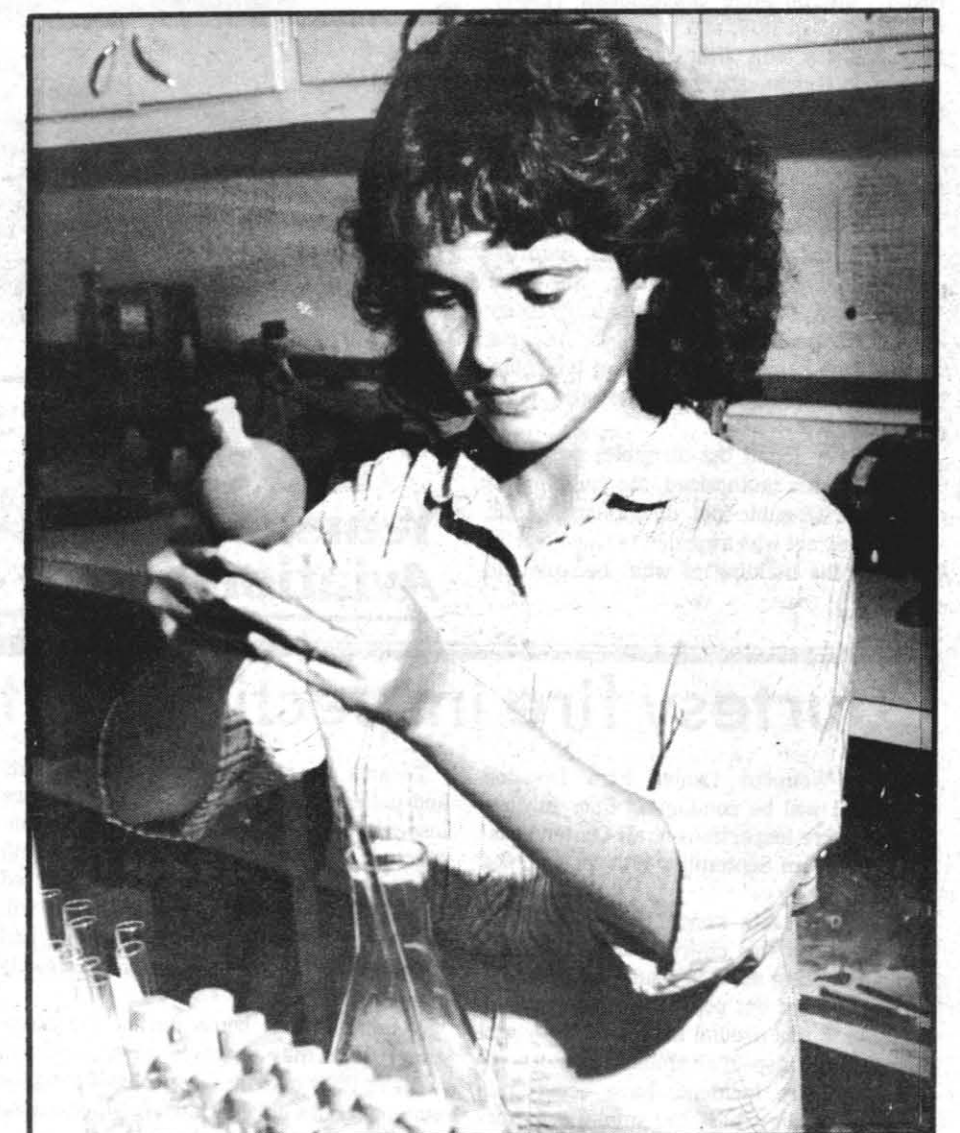
Mrs. Kane, an Environmental Protection Specialist, holds a bachelor's degree in Environmental Health from Ferris State College in Big Rapids, Michigan. She completed most of the class work for this external degree while serving for six years in the Navy as a Hospital Corpsman specializing in environmental health.

After growing up in Downey, Calif., and

attending Cerritos City College for a year, Mrs. Kane joined the Navy because of its educational opportunities. She took advantage of these to study while serving in the Philippines and in Charleston, South Carolina.

After completing her Navy career in 1984, she served as a safety coordinator for an El Segundo company until she saw the advertisement for her current job, applied, and came to work for NWC.

Mrs. Kane's husband, Chris, is also a Navy veteran. Currently he is employed at the Ridgecrest Community Hospital, where he's working as an LVN in the operating room, and hopes to complete his RN training through a step-up program. A native of the San Bernardino-Riverside area, he so thoroughly enjoyed desert living while stationed at Twentynine Palms that he encouraged his wife to apply for the job at NWC because of its Mojave Desert location.



CAREFUL CHECK — Linda Kane, an Environmental Health Specialist, will be checking water on the Center for its purity.

Garlock fault draws increased interest in state

Another earthquake fault besides the San Andreas is drawing increasing interest and concern from Southern California geologists — the Garlock fault that runs roughly from the San Andreas fault to Death Valley.

Of concern is how much strain has been built up in the eastern segment of the Garlock fault because accumulated strain is usually relieved by one or more earthquakes whose magnitude depends on the strain accumulated.

Studies by seismologists indicate the southern segment of the San Andreas fault has an accumulated strain of about 8 meters. Historically, such strain is relieved by a massive earthquake every 140 to 150 years on that segment of the fault. The last, a magnitude 8 on the Richter scale, took place at Ft. Tejon in 1857. Seismologists estimate there is a 50 percent likelihood of a quake of similar magnitude occurring on the southern San Andreas fault before the turn of the century.

The Garlock fault west of Cantil is creeping at a rate of about 7mm per year, whereas the eastern segment of the fault is locked. Therefore, strain is accumulating, on the eastern segment at the rate of 7mm per year and has been since the last big quake on that fault.

Time between major quakes on the eastern segment of the Garlock fault is about 1,000 years, plus or minus 500 years, according to seismologists from the California Institute of Technology and the Center's Applied Geoscience Research staff. Further study is needed to determine just how much time has passed since the last major quake to know whether the accumulated strain is 3.5 meters, 7 meters, or as much as 10.5 meters.

If the accumulated strain is as much as 7 meters, it could result in a quake with a magnitude of 7.5, and an M8 quake is not unlikely. The quake's epicenter would be some place between Cantil and Death Valley.

That strain accumulating is indicated by two zones of tectonic cracks found just north and under the Randsburg Wash access road.

One series of cracks was first found in 1970. The zone was about 330 meters long, with cracks whose maximum width was 1.3 meters and whose maximum depth was 23 meters. The zone ended about 70 meters north of the road.

Following a massive thunderstorm in August 1983, this zone widened and deepened dramatically and another zone of cracks also appeared that caused major damage to a section of the Randsburg Wash access road.

The fissures appeared between the end of the rain and the next morning when they were first spotted; the edges of the cracks were sharply defined, which they would not have been had they been rain-caused. The rain, Drs. John Zellmer, Glenn Roquemore and Bruce A. Blackerby feel, was just a triggering mechanism since the cracks

propagate upward.

The originally seen zone of cracks is now 732 meters long; cracks range from a hairline in width to a maximum width of 20 meters. The second zone, 686 meters long, has a series of an echelon cracks from a hairline wide to 10 centimeters wide.

The road has been repaired and is being carefully watched to ensure that future damage would be identified promptly to avoid danger to drivers going to the Center's Randsburg Wash/Echo Range facilities.

The Garlock fault is the only major east-west fault in California. It serves as a boundary between the Mojave Desert province to the south and the Sierra Nevada and Basin and Range provinces to the north. Studies of the Garlock fault indicate many features around it don't fit with usual earthquake fault patterns, so further investigation of the fault as a whole is continuing, both by CalTech seismologists and the Center's own Applied Geoscience Research staff.

Lighter-than-air craft remain a part of Navy

When the Navy built its first "aircraft carrier" — the balloon boat George Washington Park Custis — in the Civil War, it began a long relationship with lighter-than-air ships. Hot air balloons were used at that time for scouting enemy installations, but no further use was made of lighter-than-air craft until nine non-rigid airships were ordered from Goodyear in February 1917.

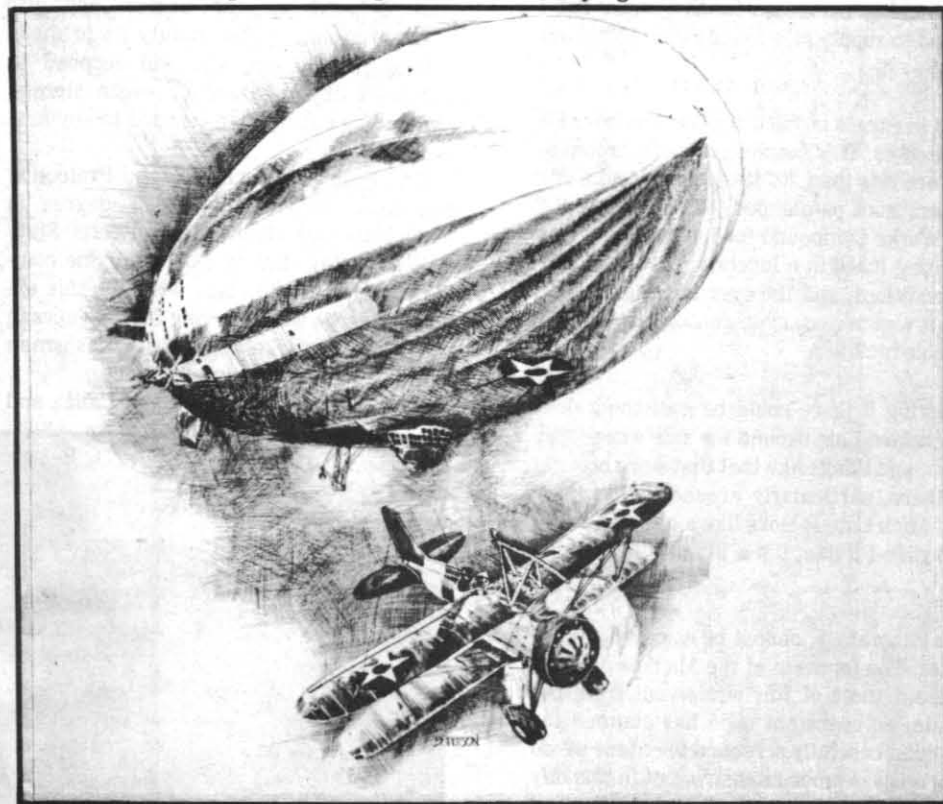
In May 1917, only a month after the United States entered World War I, the first of these blimps flew, and more than 400,000 miles of patrol duty off the eastern seaboard was logged by them before November 1918. No U.S. built airships were sent overseas during World War I, but Navy crews flew anti-submarine patrols from Brittany in French-built airships in 1918.

The first rigid airship on the Navy's roster, the dirigible Shenandoah (ZR-1) was ordered in 1919, and was completed in 1923. Not too long after, the Los Angeles (ZR-2), a German-built dirigible given to the United States as part of its war reparations, also joined the fleet. Although the Los Angeles had been intended originally as a commercial aircraft, it flew a variety of missions for the Navy until withdrawn from service in 1932. The Shenandoah, unfortunately, did not survive long. She was caught in a strong windstorm in Ohio on Sept. 3, 1925 and broke into pieces. Because helium had been used instead of the more flammable hydrogen, 29 of the crew of 43 were saved.

The Navy found the dirigibles so useful that Congress authorized the building of two 6,500,000-cubic-foot dirigibles in 1926, and a contract was awarded to Goodyear in 1928 for the building of what became the

Akron and the Macon. The Akron, christened in 1931 by Mrs. Herbert Hoover, made its maiden flight on Sept. 23 of that year. It carried five fighter aircraft in a 70-by-56-foot hangar within its 785-foot-long body. The fighters could be launched and retrieved while the dirigible was in flight.

The Akron, too, became a victim of violent weather. When she went down on April 4, 1933, she took with her all but three of her crew. Also killed in the crash was Rear Admiral William Moffett, who had been a real enthusiast for the navy's lighter-than-air program.



75 Years of Naval Aviation

The Macon, Akron's sister ship, had her maiden flight on April 21, 1933. She was found to be of such extreme use to the fleet that she was not permitted to be taken out of service for installation of stronger girders. Unfortunately, when she ran into turbulent air off Point Sur on Feb. 11, 1935, the girders that had not been replaced were weak enough so that the ship broke up in the air. Of her crew, however, 83 of the 86 men aboard survived. The only lighter-than-air craft left in the left in the fleet were three blimps.

These blimps — plus the more than 150 others that were built during World War II — served the Navy magnificent in that conflict. No merchant ship protected by a blimp was sunk, although one blimp was brought down by return fire from a submarine with the life of one crew member lost.

Blimps continued to be commissioned following the war. The largest Navy blimp commissioned was the N-class. The first of these, going into service in 1951, was 324 feet long and had 875,000 cubic feet capacity. Seventeen other N-class blimps were built, Airship Early Warning Squadron One was commissioned Jan. 3, 1950. On one notable flight observers watched the first launching of Polaris from a submerged submarine. Pilot training continued to 1954, routine patrols were suspended in 1961, and in 1964, the Department of Navy disbanded airship units.

This did not end the Navy's use of lighter-than-air craft. To this day, the Naval Weapons Center uses both hot air and helium balloons for various test of weapon systems, and has a chief balloon pilot plus two other qualified balloon pilots as well as other now in training.

Courtesy fire inspections set

Naval Weapons Center Fire Division personnel will be conducting door to door courtesy fire inspections of all Center housing units from September 16th through the 30th.

All China Lake residents are urged to participate in this effort aimed at making Center housing units fire safe. Fire inspectors will point out possible fire and safety hazards in and around the home. They will also test and inspect all smoke detectors.

Several fire incidents have occurred in family housing where the smoke detectors were inoperable due to tenants disconnecting or tampering with the unit. Tenants are not authorized to repair, disconnect or tamper with their smoke detectors. If the smoke detector does not operate properly, tenants should call the NWC Fire Division at extension 2146.

Tenants are encouraged to ask questions and point out possible concerns to the fire inspectors during the inspection. Fire inspectors will make recommendations with regard to correcting the hazards observed at each housing unit. The inspectors will not inspect a unit without the consent and presence of a responsible adult family member.

Tenants not at home during the above time frame may schedule an appointment to have their quarters inspected during the evening hours or on a later date by calling NWC extension 2146.

The Center Fire Chief encourages all Center personnel to practice fire prevention and to cooperate by having their homes inspected. Residences on the Naval Weapons Center are inspected annually in accordance with NAVWPNCENINST 11320.4.



China Lake Police Reports

Officers investigated apparent grand thefts of an IBM Typewriter and software for a Macintosh microcomputer, both reported missing from Warehouse 15.

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A 20-inch men's Murray BMX bike was reported stolen from the bike rack at the NWC gym. The bike's owner had left it unsecured while in the gym.

+++

Two juveniles were taken into protective custody by CLPD officers during an investigation of alleged child abuse. The juveniles were transported to Bakersfield.

+++

Someone removed tires and hydraulic jacks from dollies at the Trident Test Facility, a petty theft.

A driver was uninjured when he lost control of a backhoe and it overturned on the G-2 Tower Road.

+++

A bicycle was reported stolen from the back yard of a Center residence.

+++

When a glider pilot taking part in a cross-country race suddenly lost altitude he found himself landing on a dry lake bed off the CLPL access road on Sunday.

+++

Officers arrested a motorcyclist for driving under the influence and evading arrest following attempts to make a traffic stop. The rider initially fled and was later arrested.



40 YEARS — Tom Jones, of the Electronic Warfare Department's HARM Office is congratulated by Capt. K. A. Dickerson, NWC Commander, after the Skipper presented him with his 40-year Federal service pin recently. — Photo by PH3 Rick Moore

Forty years of federal service pay off for Thomas L. Jones

Thomas L. Jones started his China Lake years as a member of the U.S. Marine Corps assigned to the Naval Ordnance Test Station from Sept. 1942 through Sept. 1945. He recently received his 40-year-length-of-service awards for total federal and NOTS/NWC service.

Capt. K. A. Dickerson, NWC Commander, presented the pins to Jones, now a supervisory general engineer in the Electronic Warfare Department's HARM Office.

After his Marine Corps service was completed in 1945, Jones took a year off for

other pursuits before coming back to NOTS as an ordnanceman and toolmaker from September 1946 through May of 1953.

After another turn away from China Lake, Jones returned as a machinist, then as an engineer with Code 35 starting in September of 1954.

Joining Capt. Dickerson in honoring Jones for his 40-years of service to his nation were Paul Homer, head, Electronic Warfare Department and James Rudeen, head of the HARM Technical Management Office for Code 35.

AZs maintain steady flow of essential paper

Of the many rates in the U.S. Navy, that of Aviation Administration Man (AZ), may be one of the most diversified. Throughout the Navy, sailors within this rate operate in a variety of work centers accomplishing numerous and varied tasks. Those located in China Lake's Aircraft Support Division of the Aircraft Department are no exception.

Located in eight work centers, these sailors' responsibilities range from providing administrative support to prioritizing maintenance for aircraft components. AZs keep the paper flow moving along, enabling technical tasks to be accomplished in an expeditious manner.

Maintaining accurate history records for every aircraft on board, according to AZ2 LeRoy Crummett, is the responsibility of the AZs in the Logs and Records work center. The log books keep track of maintenance operations, configuration control of aircraft, and control of maintenance for life limited components and assemblies on the aircraft. By using logs and records, AZs keep track of

maintenance for 15 aircraft, 749 life limited components, and 352 explosive devices.

AZ2 Doug Wardwell says, "The single most important aspect of our job is maintaining accurate records. He and AZ2 Crummett, along with AZ2 Sandy Smith and AZ1 Billi Taylor, must accurately maintain 30 log books and 45 equipment records.

In Maintenance Control, AZAA Audrey Benway and AZAA Sherri Kwiatkowski are responsible for routing paperwork to appropriate work centers, and logging aircraft discrepancies onto the VIDS (Visual Inspection Display System) board. AZAA Benway says, "We update the VIDS board, issue MAFs (Maintenance Action Form), and annotate them when they are returned from work centers." When MAFs are returned, it lets Maintenance Control know the work issued has been completed.

With all the various work centers providing maintenance control for different parts of the aircraft, it's vital that instructions on how to do so are kept current. The Technical Library, according to AZ2 Karen

Wardell, is responsible for disseminating updated information as it arrives on-center. Two other AZs, Petty Officer Second Class Hernan Mateo and AZ3 Randy Bainbridge, help ensure work center publications are kept current.

"We are responsible for approximately 10,000 aircraft manuals, illustrated parts breakdowns, and 'pubs' on ground support machinery," explains AZ2 Wardell.

Accepting, scheduling, and transferring all in-house intermediate aircraft components takes place in Production Control where AZ1 H. Gregory, production control supervisor, and AZAN Larry Alsbrook work. Here, this rate prioritizes maintenance which, according to AZ1 Gregory, entails "receiving, routing, and monitoring production schedules in nine division work centers."

Providing administrative support to Organization and Intermediate Maintenance in AIMD is the job of AZ1 Nora Kidwell and AZAA Margaret Hilton. "Keeping track of arrivals and departures within the division, and handling personnel qualification standards of approximately 250 military personnel are some of the things we do here," says Petty Officer Kidwell.

Over in the Ordnance Shop, "AZ2 Don Welch oversees a technical library of 1,800 publications, updates VIDS boards, and trains Aviation Ordnancemen in proper procedure for paperwork," adds AZ1 Kidwell.

AZ1 Fred Minnick, a data analyst, coordinates the maintenance system for all NWC work centers with the local computer service facility. He maintains comprehensive statistics on pertinent aircraft readiness data. Included in his responsibilities is keeping track of approximately 1,600 records per month; this information is taken from VIDS/MAFs, sorted by computer, and left for AZ1 Minnick to decipher.

In Ground Support Equipment, AZ3 Fred Stark is kept busy with his work load. "This one particular job is a mixture of the whole AZ rating," he says. He oversees five dispersed technical libraries, updates the VIDS board for equipment, and screens VIDS/MAFs for accuracy and trend analysis. In addition, Petty Officer Stark updates the monthly aeronautical equipment service log book, and is responsible for clerical duties in the GSE office.

Sailors in this rate work diligently to provide the necessary support for aircraft, and AZs at NWC seek to uphold this standard.

Chief becomes CWO2 Burns

Chief Torpedoman Gary M. Burns became Chief Warrant Officer Gary M. Burns in a ceremony held Tuesday morning. LCdr. A. N. Briggs, Officer in Charge of Explosive Ordnance Disposal Group One Detachment, China Lake, swore CWO2 Burns in as a member of the Navy's officer corps.

On hand to assist LCdr. Briggs pin on the new rank insignia was Chief Burns' wife, Becky.

Earlier Chief Burns had received the Navy Achievement Medal in recognition of his work as an EOD Technician at China Lake for nearly three years.

The citation to accompany the medal read, in part, "his organizational effective preventive maintenance program significantly enhanced the satisfactory completion of two demanding and comprehensive ORIs and Diving Safety Surveys, resulting in the award of the Command's first Battle Efficiency 'E' Award.

At the same awards ceremony, Capt. K.

A. Dickerson, NWC Commander, looked on as Master Chief Machinist Mate Terry F. Byer was awarded the Navy Achievement Medal for "superior performance of his duties from June 1, 1979 to July 1, 1984."

Master Chief Byer was honored for his work as assistant to the Operations and Readiness, Plans and Programs Department heads at Explosive Ordnance Disposal Group Two.

The citation read, in part, "He displayed exceptional resourcefulness and initiative in the procurement of a new EOD support craft for the Guantanamo Bay Detachment which resulted in significant cost savings and procurement time reduction."

During the same awards ceremony, SMC (DV) (PV) Marvin E. Dukes was awarded the Master EOD Badge while GMT2 Lloyd G. Owen and Lt. Larry E. Dove were awarded Senior EOD Badges by order of the Commander, Explosives Ordnance Disposal Group One. Also, SMC Dukes and AS2 Troy Allen Cantrell were presented Good Conduct Awards.



Military News

Battle 'E' Award . . .

(Continued from Page 1)

After Capt. Dickerson made his remarks at Tuesday morning's ceremony, LCdr. A. N. Briggs, Officer in Charge of the Detachment, challenged assigned personnel to "add a hashmark under that 'E' next year." LCdr. Briggs noted it would take continued perseverance and dedication to accomplish such a goal but added he knew detachment personnel indeed "had the right stuff."

Capt. Dickerson told those assembled for

the awards ceremony and the open house that followed that the detachment was "truly deserving and clearly the best EOD group I've been around."

NWC HOTLINE
Integrity, efficiency program
Call: NWC ext. 3636 (24 hrs.)

or call the Inspector General at:
(800)522-3451 (toll free)
288-6743 (Autovon)
(202)433-6743 (commercial)



MEDAL AWARDED — MMCM (DV) Terry Byer (right) receives the Navy Achievement Medal from LCdr. A. N. Briggs, Officer in Charge of Explosive Ordnance Disposal Group One China Lake Detachment. Master Chief Byers was one of several detachment members presented awards earlier this week. — Photo by Clare Grounds



Personnel Development Opportunity

Scope: Part 1-Managing the Project-Task Team. This course will provide you with a basic understanding of modern management concepts as applied to an R&D organizational setting. Topics include viewing organizations as systems, selling the project, building the project or task team, motivating the project or task team, communicating in the R&D or project environment, and handling conflict.

Deadline: 17 September.

ELECTRONIC TEST EQUIPMENT

2 October-6 November, Wednesdays, 0730-1130, Calibration Laboratory, Bldg. 1027. By: Stan Anderson.

Scope: Consists of about a half-hour lecture on the operation, function, and application of various types of general-use-type laboratory test equipment including, but not limited to, oscilloscopes, signal generators, frequency counters, multimeters, and transistor-curve tracers. The remainder of the time will be hands-on laboratory exercises. Some electronic background and basic mathematics are desirable. You should bring a hand calculator.

Deadline: 18 September.

THE SECRETARIAL SEMINAR

4 October, Friday, 0800-1600, Mojave Room of the Commissioned Officers' Mess. By: Brenda Robinson, Padgett-Thompson.

Intended Audience: Secretaries, office personnel, administrative assistants.

Scope: Topics include:

- How you and your boss can be a winning team
- Going home feeling good
- Turning out work under pressure
- Creating stress-free, harmonious relationships
- Enjoying the reward of personal growth and job satisfaction
- Seven proven ways to create harmony
- Understanding other people—a case study
- How to manage the ten most common irritants
- Twelve steps to immediately double your worth to yourself and to your boss
- My action plan for personal growth

Deadline: 20 September.

INTRODUCTION TO TEST MANAGEMENT

9 October, Wednesday, 0800-1600, Chart Room of the Commissioned Officers' Mess. By: Ron Cohn, Code 3507.

Objective: You will develop an understanding of (1) the role T&E plays in each phase of the acquisition program, (2) test management, (3) T&E as a distinct engineering discipline, and (4) the interactions between T&E and other engineering disciplines.

Scope: This course is part of the NWC Technical Manager Curriculum. It will concentrate on the role T&E plays in the Navy system acquisition process, especially in RDT&E. It will present a proven T&E planning, controlling, and reporting methodology suitable for use by an NWC technical manager. Treatment of test management will cover T&E work breakdown, interaction between the acquisition program and the testing activities, and the products delivered by a test program. Also to be discussed are organizational structuring and interaction of the technical team, common problems encountered in a test program, and marketing a test program. If time permits, major points of contact and organizations in the Navy T&E community will be discussed.

Note: Class limited to 20 students.

Deadline: 29 September.

STRUCTURED PROJECT MANAGEMENT

16 October, Wednesday, 0800-1600, Training Center, Annex #1. By: Larry Peters, Software Consultants International Limited, Kent, Wash.

Intended Audience: Supervisors of employees planning to take either the "Structured Analysis for Real-Time Systems" and/or "Real-Time Structured Design" listed below, or supervisors of employees having already taken these courses during FY 1985.

Background: The Structured Methods (structured analysis, structured design, and information modeling) provide the software engineer effective

means of developing and maintaining software systems. The management of groups that are using one or more of these methods presents specialized problems to supervision.

Objectives: To provide managers with skills to be effective at managing projects using structured analysis and design techniques. Upon completion of this course, you will be able to prepare management plans tailored to the use of structured analysis, information modeling, and structured design methods within the NWC environment.

Scope: The material in this class is consistent with what the software engineers receive in the Structured Analysis and Structured Design classes, thus making the results all the more effective. All of the material is tailored to the kinds of management problems and system objectives inherent in NWC projects.

Deadline: 30 September.

To enroll in these classes submit Training Request Form (NAVWPNCEN 12410/73) via department channels to Code 094.

BASIC ELECTRONICS—APPLE II (700 hours)

A Self-Paced Course, Monday-Friday, 0730-1630, Building 95 (Chapel Annex).

Prerequisite: None.

Scope: This course consists of 25 microcomputer lessons that are divided into five modules dealing with the following fundamentals of direct-current electronics: electronic math, atomic theory, fundamentals of DC circuitry, electronic prefixes, and symbols and components.

The course is a self-contained package for use on the Apple II; ability to access the Apple II is necessary. For more information, call Jana at ext. 2451.

Deadline: None.

CERRO COSO CLASSES AVAILABLE

NWC will pay your full tuition if you are enrolled in courses provided under the NWC/Cerro Coso contract. If you can show that courses are job-related or will strengthen your contributions to the Center's mission, your tuition will be paid directly to the college by Code 094.

If you are not a co-op student, you must submit a DD Form 1556 (Request, Authorization, Agreement, and Certification of Training and Reimbursement) via department channels to Code 094. The form must arrive in Code 094 at least 5 working days before registration.

If a course is not directly job-related, submit NAVWPNCEN 12410/66, Academic Enrollment Justification and NAVWPNCEN 12410/68, Individual Development Plan, describing how the course fits into your overall career plan and how attendance will strengthen your contribution to the Center's mission.

If you are not yet a California resident, include a statement from your supervisor indicating the negative impact to NWC of postponing the training until residency is established. Code 094 will return the approved form to you. You must take it with you to Cerro Coso when you register for NWC to pay your tuition.

If you are a co-op student, a DD 1556 is not required; simply tell the registrar that you are an NWC co-op student when you register. If you have any questions, call Kit Driscoll or Cecil Webb, ext. 2648. (Code 094)

CALIFORNIA STATE UNIVERSITY, BAKERSFIELD, ADVISORS TO BE HERE

Dr. Roy Dull, Dr. James Vigen, and Dr. Richard Graves, of Cal-State Bakersfield, will be on-Center Tuesday, 10 September, to advise current and prospective students in the external-degree programs offered by that school.

External-degree programs offered at NWC by CSB include a bachelor's degree in business administration and a master's degree in public administration. The school also provides math courses in other external-degree programs at NWC.

To make an appointment with one of the counselors, call Kit Driscoll, ext. 2648. (Code 094)



Promotional Opportunities

Applications for positions listed in this column will be accepted from current, permanent NWC employees and from eligible employees of attached activities who are permanently assigned to NWC unless otherwise specified in the ad. Alternative recruitment sources may also be used in filling these positions; vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements including minimum qualification requirements by the closing date. Applicants will be evaluated on the basis of experience, education, training, performance ratings and awards as indicated in the SF-171 along with any tests, medical examinations, performance evaluations, supplemental qualification statements and/or interview that may be necessary. Career ladder promotions are subject to satisfactory performance and cannot be guaranteed. **APPLICATION PROCEDURES:** Candidates must submit a current SF-171, along with a supplemental qualifications statement (if required), and should submit a copy of their latest Annual Performance Evaluation if relevant to the vacancy. If a supplemental statement is not required, candidates are encouraged to submit additional information which addresses the specific Knowledge/Skills/Abilities (KSAs) cited in the ad. Write the position title/series/level and announcement number of the SF-171 and all attachments. Be sure that your forms are complete and accurate since you cannot be rated on missing data nor will you be contacted for additional information. Be certain the SF-171 and supplement are dated and have original signatures in ink.

All applications will be retained in the vacancy announcement file; they will not be returned or filed in official personnel folders. Applications and supplements are accepted at the Reception Desk, Room 100, Personnel Department, 505 Blandy. Ads close at 4:30 p.m. on Friday, one week after the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

No. 08-047, Payroll Supervisor, GS-544-8

(Temporary NTE 1 yr), Code 0853 — This position serves to manage the Payroll Branch office operations and supervises two section heads responsible for direct supervision of 15-18 payroll technicians and clerks in the Customer Services Division, Code 085, of Central Staff, Code 08. Duties include scheduling and assigning work, establishing procedures, training guidelines for new employees, providing direction and assistance. The incumbent is responsible for the establishment and maintenance of the basic master control accounts for leave and payroll, prepares and oversees the preparation of continuing and special report requirements, serves as the control and liaison point of contact for all payroll processing, special accounts, and labor distribution accounting. **Job Elements:** Expertise and knowledge of computerized payroll system; ability to interpret and communicate Federal payroll and leave regulations; specialized knowledge of leave and labor accounting; demonstrated ability to supervise.

No. 24-156, Safety & Occupational Health Specialist, DA-018-3, Code 2405 — Responsible for developing and administering the safety program in assigned areas by conducting safety surveys, identifying and eliminating hazardous conditions, investigating and analyzing incidents, recommending corrective actions and providing safety training. **KSAs:** K — of safety principles, policies, and regulation; of and experience in RDT&E explosive safety practices. A — to work effectively with individuals and groups; to communicate both orally and in writing; to recognize safety hazards in an RDT&E environment. Promotion potential DA-3.

No. 26-190, Administrative Assistant, DA-341-1, Code 26102 — The incumbent provides administrative support to the division. Duties include budget, administration, personnel, organization management, facilities, and various other administrative functions. **Job Relevant Criteria:** Ability to investigate and analyze problems in order to establish effective administrative systems; ability to interpret complex written material pertaining to financial management, plant account and facilities; ability to make clear written and oral presentations. Promotion potential to DA-2 but not guaranteed.

No. 31-203, Interdisciplinary Supervisor, General Engineer/Computer Scientist/Electronics Engineer/Mathematician/Physicist DP-801/1550/855/1520/1310-3/4, Code 311 — This position is that of Associate Division Head, Avionics Facilities Division, Aircraft Weapons Integration Department. The division develops, maintains, and operates simulation/integration facilities to support the A-4/AV-8, A-6, A-7, and F/A-18 Weapons System Support Activities (WSSAs) in their roles of technical assistance, requirements definition, system development, weapons system integration, validation, and Fleet support. Facilities development includes system architecture, hardware engineering, facility software engineering, and simulation software. In addition to aircraft specific facilities, the division provides a general facility for software and hardware tools which span all projects. **KSAs:** Knowledge of Weapons Systems Support Activities (WSSAs) mission requirements; of avionics facilities hardware and software analysis, design, and operations. Ability to communicate effectively with all levels both orally and in

writing. Knowledge of NWC EEO Policies and goals. Potential to DP-4, but not guaranteed.

No. 32-185, Program Analyst, DA-345-3, Code 3274 — Incumbent develops, analyzes, evaluates, and compares programs designed to provide protection of rocket motors exposed to fuel fires. Duties include evaluation of program documentation, analyzing of test data, developing and recommending changes in program operation to meet established criteria, maintaining contact with sponsors and contractors. **Elements:** Knowledge of rocket motor test procedures and requirements. Ability to organize program elements; to provide program documentation; to review and provide input on motor-related program documentation; to deal effectively with sponsors and wide-range of NWC personnel. Promotion potential is DA-3.

No. 36-302, Engineering Technician, DT-802-2, Code 3681 — Incumbent participates in the early development and fabrication of missile guidance and control electronics and associated mechanical hardware, including prototype production, in-service support, and product improvement phase of guided missile development projects. **Elements:** Knowledge: of mechanical hardware such as tooling plates for alignment of critical parts; of basic programming for drilling and machining. Ability: to work as a member of a team; to communicate both orally and in writing with personnel of varying technical backgrounds. Promotion potential to DT-3.

No. 36-303, Equipment Specialist (Missile), DS-1670-3, Code 3661 — Incumbent performs duties involving collecting, analyzing, interpreting and developing specialized information about equipment; providing such information, together with advisory service to those who design, test, produce, procure, supply, operate, repair, or dispose of equipment; developing, installing, inspecting or revising equipment; maintenance programs and techniques based on a practical knowledge of the equipment, including its design, production, operational and maintenance requirements. **Elements:** Knowledge: of military tactical missile and/or aircraft systems and associated ground support and test equipment; of weapons system operational test and evaluation; of missile/aircraft maintenance procedure, training and data analysis, of military organization and chain-of-command (primarily Navy and Air Force); of interfacing of missiles with modern tactical aircraft and ground support equipment. Ability: to communicate effectively both orally and in writing. Promotion potential DS-3.

No. 33-031, Electronics Technician, DT-856-2/3, Code 3337 — This position is lead technician for the Short Range Missile Fuze Branch. Functions of the Branch are: design, develop, test, evaluation and production support of electro-optical fuzes for the Sidewinder and RAM missiles. Provide technical support to SYSCOMS and fleet for the life cycle of Sidewinder and RAM fuzes. **Job Elements:** Knowledge of electro-optical systems, WS-6536 soldering, test equipment design and use, circuit board layout; ability to train and provide leadership for more junior technicians and co-ops; interface and monitor work of others outside Code 3337; ability to accept responsibility and work independently. Promotion potential to DT-3. Status eligibles may apply.

No. 14-111, Engineering Technician, DT-802-1/2/3, Code 1421 — This position serves as the Center's focal point for defining facilities requirements for a Centerwide data communications network supporting the Center's Corporate computer/data needs. The incumbent will work closely with all other departments on Center to determine

requirements and with Public Works Department to develop and recommend equipment and facilities standards for communication systems. The incumbent will be responsible for developing a plan and generating proposals, minor construction efforts, installation of the communication system and the power sources for it. **KSAs:** Knowledge of facilities planning and acquisition processes. Abilities — to plan, manage, and coordinate a Centerwide effort; to interact effectively with a variety of technical personnel in resolution of conflicting requirements; to communicate effectively in writing. Promotion potential: DT-3. Previous applicants need not re-apply. Status eligibles may apply.

No. 14-157, Computer Clerk, GS-335-5, Code 1442 — Incumbent will assemble, organize, and input data into document entry format; maintain the documents; input into computer; and maintain files. Will also provide cost projections to Departments/Divisions/Branches utilizing contracts with cost distribution accounts; assist in analysis of appropriate software programs to support individual cost distribution accounts. **KSAs:** Knowledge — various data base management systems; basic procurement process; basic NWC financial procedures. Ability to use DEC and Sperry terminals.

No. 25-084, Supply Systems Analyst, DA-2003-2, Code 253 — Position is located in the Quality Assurance Division of the Supply Department. Incumbent performs analyses of a wide variety of supply system and management problems. Performs contractor monitoring and surveillance to assist in evaluation of the supply operations contractor's performance. Assignments include developing contract performance work statements, sampling completed work units and report writing. **Job Elements:** Knowledge of: supply systems and procedures; contract preparation and/or monitoring. Ability: to perform analysis, solve problems; communicate orally and in writing; and work effectively as a team member. Promotion potential to DA-2003-2.

No. 26-191, Sheetmetal Mechanic, WG-3806-8, Code 26411 — Incumbent normally works with sheetmetal of 10 to 26 gauges in thickness. Lays out, fabricates, assembles and installs and repairs objects and equipment. Works from blueprints, sketches, and oral instructions. Checks blueprints against actual measurements at the job site. Lays out work, selects materials, scribes lay-out lines and points for punching, drilling, shearing, notching, and braking. Fabricates, assembles and installs boxes, ventilation ducts, gutter, flashing, cornices, cabinets, doors, heating and cooling units, etc. Note: Incumbent will be participating in the pre-journeyman program. Position has promotion potential to WG-10; however, promotion is not guaranteed. **Job Relevant Criteria:** Knowledge of equipment; instructions, specifications, blueprints; layout and pattern development; hand and power tools; materials; ability to do the work without more than normal supervision.

No. 31-198, Interdisciplinary Supervisor, Physicist/Electronics Engineer — DP-1310/855-3, Code 31142 — This position is the head of the Hardware Systems Development Section which is located in the F-18 Facility Branch, Avionic Facilities Division of the Aircraft Weapons Integration Department. The F-18 Facility Branch provides the simulation/integration test environment and workstations for the development, test, validation, verification and modification of operational flight programs exercised in the tactical computers of the F/A-18 aircraft. The incumbent will be responsible to the branch head for the planning, development and implementation of F-18 WSSF hardware and avionic systems. The prime function of this position

will be to technically supervise and design, documentation, fabrication, testing and maintenance of F-18 WSSF hardware systems. This hardware includes both digital and analog subsystems that are to be developed WSSF workstations. The incumbent will be required to conduct hardware design reviews with Center and contract personnel. **Job Relevant Criteria:** Ability to supervise and provide leadership to a multi-disciplined group of Electronic Engineers and Technicians; to plan, schedule, and coordinate work as a part of a major project; skill in formalized hardware design, documentation and maintenance standards and practices; skill in Fletcher digital design techniques is highly desirable; Knowledge of avionic systems and digital design; willingness to support NWC EEO policies and goals. Promotion potential is DP-3. Status eligibles may apply. Previous applicants need not reapply.

No. 31-197, Electronics Technician, DT-856-2/3, Code 3114 — This position is as a Technician in the F/A-18 Facility Branch, Avionic Facilities Division of the Aircraft Weapons Integration Department. The F/A-18 Facility Branch provides simulation and integration test environment and workstations for the development, test, validation, verification and modification of operational flight programs exercised in the tactical computers of the F/A-18 aircrafts. The incumbent will perform as a Technician for the Weapons Systems Support Facility Shop. Duties will include the mechanical and electronic fabrication of hardware subsystems; the trouble shooting and repair of electromechanical and hardware components. Work will be accomplished from blueprints, drawings, sketches, and verbal instructions. KSAs — Knowledge of electronic design and fabrications. Knowledge of electronic troubleshooting. Ability to communicate in writing. Promotion potential DT-3. Status eligibles may apply.

No. D-34-033, Visual Information Specialist, DA-1041-1/2, Code 3444 — This position is located in the Visual Media Design Branch, Graphic Arts Division, Technical Information Department. The incumbent must demonstrate the ability to apply basic graphic design principles and production techniques to the development of conventional and computer-generated visual media materials for official NWC briefings and presentations. Skill in the use and operation of "Genigraphic" Model 100 C/D graphic system components is necessary. The incumbent will also be required to become knowledgeable in the use of such other graphic art equipment as: Photostats cameras, Varitape headline machines, Diazo ammonia printers and various kinds of common art production tools. **Job Relevant Criteria:** Experience in the communication of visual information. Ability to communicate and work effectively with others, providing positive team effort. Ability to meet stringent deadlines under pressure. Promotion potential is to DA-3, but is not guaranteed.

No. 35-087, Computer Specialist, DS-334-01, Code 3554 — Incumbent provides analysis, consultation, evaluation, and administration for EWTES Computer Center operations effort. Work schedule is First Forty. KSAs: Knowledge of computer operations and coordination of the VAX-

11750 and 1100/60. Knowledge of procurement sufficient to procure technical equipment, systems, and services. Ability to communicate effectively, both orally and in writing, with all levels of personnel. Ability to write small programs in DCL, higher level languages and Datatrieve. Promotion potential: DS-3.

No. 39-088, Interdisciplinary, Supervisory, (Elec/Gen/Mech/Aerospace Engineer; Operations Research Analyst; Mathematician; Physicist); DP-855/801/830/861/1515/1520/1310-3/4, PAC No. 8539693, Code 3913 — This position is head, Cruise Missile Systems Branch in the Weapon Synthesis Division of the Weapons Department. The branch is responsible for the synthesis and analysis of cruise missile weapon systems. Functions of the branch include: Coordination and performance of system effectiveness studies. Advanced systems requirements studies. Development and maintenance of reference missile simulations. Design and trade-off investigations related to conceptual, developmental, and operational cruise missile weapon systems. Pre and post flight data reduction and analysis of test firings. Mathematical modeling and subsequent development of computer simulations. **Job Relevant Criteria:** Experience in weapon system analysis is preferred. Ability to supervise and provide leadership to an interdisciplinary professional workforce; ability to communicate well, both orally and in writing; willingness to support NWC EEO policies and goals. Reassignment only at the DP-4 level.

No. 62-031, Engineering Technician, DT-802A/1, Code 6221 — This position is located in the Air Operations Branch, Range Operations Division Range Department. The incumbent functions as an air controller during the conduct of RDT&E flight tests and works in a fluid real-time environment which requires the precise positioning of test aircraft on predetermined flight categories. **Job Relevant Criteria:** Knowledge of geometric functions; knowledge of Lambert and geodetic grids and interpolation of magnetic; grid and true headings; and knowledge of ordinance that is to be expended, locations of instrumentation and its capabilities on the ranges. Status eligibles may apply.

No. 623-108, Supervisory Interdisciplinary (Mechanical/General/Electronic Engineer/Physicist/Mathematician) DP-855/830/801/1310/1520-4, Code 62301 — Serves as head of the new RF Target Office, Range Instrumentation Division, Range Department. The incumbent will establish a program to develop, build, and modernize RF emitters for use on ARM impact targets on the NAVWPNCEN ranges and at sea. Responsibilities include formulating the development plan, staffing the plan through Center management sponsors and DOD customers, securing project funding, and managing the program. **Job Relevant Criteria:** Ability to perform as a first line supervisor. Knowledge of affirmative action principles, including willingness to support EEO objectives. Ability to plan, organize, coordinate and manage a technical program; knowledge of radar systems and the use of embedded computers; ability to motivate and influence others; ability to communicate with a wide variety of technical and management personnel.

Secretarial opportunities

This column is used to announce secretary positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below.

Applicants will be rated against 4 or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence (4) ability to compose correspondence and/or prepare non-technical reports (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

Unless otherwise indicated, applicants for Branch Secretary will be rated on elements 1/2/3/5/6; Division Secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office Secretary applicants will be rated on elements 1/2/3/4/5/8/9; and Department Secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

No. 31-186, Secretary (Typing), GS-318-5/6, Code 3104 — This position provides secretarial support to the A-6 Program Office. Promotion potential to GS-6. Previous applicants need not reapply.

No. 31-204, Secretary (Typing), GS-318-4, Code 3196 — Provides secretarial support to the Systems Analysis Branch. Promotion potential GS-4. Status applicants may apply.

No. 31-205, Secretary (Typing), GS-318-5/6, Code 3114 — Provides secretarial support to the System Integration and Evaluation Division. Promotion potential to GS-6. Status applicants may apply.

No. 35-060, Secretary (Typing), GS-318-4, Code 3515 — Incumbent will provide support to the Head, Embedded Tactical Software Branch. Promotion potential: GS-5. Previous applicants need not reapply.

Reassignment opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applicants 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 (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

No. 31-194, Interdisciplinary (Electronics Engineer, Computer Scientist, Physicist, Mathematician), DP-855/1550/1310/1520-2/3, Code 3112 — Position is for Simulation Software Engineer/System Software Engineer located in the A-6 Facility Branch. Incumbent is a member of a team of software engineers developing simulation software and is the Facility Manager of the A-6 Gould, S.E.L. Computers. Incumbent will participate in reviews and walkthroughs of in-house and/or contractor-development software. To apply for this position forward a current SF-171 to B. Mierta, Code 31102, NWC ext. 5219.

No. 32-184, Interdisciplinary General/Mechanical/Aerospace Engineer/Physicist, DP-801/830/861/1310-3, Code 3263 — This position is for Program Manager of the Advanced Cluster Weapon Development Program, currently in Exploratory Development. The incumbent will be responsible for project definition, planning, coordination, and implementation of the development effort. The incumbent will prepare or direct the preparation of program plans, statements of work, task assignments, technical reports and other documentation necessary for the development and/or acquisition of the weapon system. Incumbent will conduct program status reviews and provide overall management and coordination for the development team. Incumbent must be familiar with the Navy acquisition process, Center management review, documentation policies/instructions and be able to interface with all levels of management on the Center as well as program sponsor and various diverse inter-service organizations and contractors. Incumbent must be knowledgeable and experienced in design, test, and evaluation of explosive ordnance materials. Incumbent must be able to work well with others and communicate effectively both orally and in writing.

tively both orally and in writing. To apply for this position, send a copy of current SF-171 to D. Herigstad, Code 3263, NWC ext. 3736.

No. 36-278, Interdisciplinary Computer Scientist, Physicist, General/Mechanical/Electronics/Industrial/Chemical Engineer, Mathematician, DP-1550/1310/801/830/855/896/893/1520-2/3, Code 3687 — Multiple vacancies. Incumbent will provide a support to a variety of Weapons Systems Development/Production Programs, both on and off Center, through the applications of System Safety Engineering principles and tasks; will be required to identify hazards associated with the system, determine hazard likelihood level and qualitative/quantitative risk factors, and make recommendations for the elimination and/or control of hazards. Should have knowledge of Aircraft/Missile Systems/Naval Ordnance/Weapon System Development, including Design, Text and Documentation, and System Analyses and Engineering. Ability to plan, schedule, coordinate and evaluate long-term risks; to communicate effectively both orally and in writing; to work closely and effectively with military, government and industry personnel is desired. To apply, submit current SF-171 to Ruth Inman, Code 36809.

No. 36-301, Interdisciplinary Mechanical/General/Electronics/Aerospace Engineer, DP-830/801/855/861-3, Code 3664 — Incumbent is responsible for the preparation and implementation of maintainability engineering plans for DOD weapon system acquisition; establishment of quantitative and qualitative maintainability criteria for system/equipment specifications, solicitation packages, and contracts; review of drawings, ECPs, and deviations/waivers for maintainability im-

proach; and for budgeting and managing of funds required to execute maintainability functions. Maintainability tasks include, but are not limited to, preparation/coordination of program plans, allocations/predictions, demonstration plans/procedures/validations, and inputs to logistics support analysis. Knowledge of Engineering Department disciplines and functions and of ILS for missiles, launchers, targets, support equipment and aircraft avionics, etc. desirable. Must have ability to establish effective working relationships with other DOD activities, contractors, and on-Center personnel. To apply for this position contact AO for Code 366, Louise Meredith.

No. 31-196, Electronics Engineer, DP-

855-2/3, Code 31142 — This position is in the Hardware Systems Development Section which is located in the F-18 Branch, Avionics Facilities Division of the Aircraft Weapons Integration Department. The F-18 Facility Branch provides the simulation/integration test environment and workstations for the development, test, validation, verification and modification of operational flight programs exercised in the tactical computers of the F/A-18 aircraft. The incumbent will be responsible for the planning, development and implementation of F-18 WSSF hardware systems. This hardware includes both digital and analog subsystems that are to be developed for WSSF workstations. To apply for this position forward a current SF-171 to B. Mierta, Code 31102, Phone ext. 5219.

Long-term training applications still sought

Applications for long-term graduate level training (training off-Center for a period of 120 consecutive days or longer) for 1986-87 are invited from interested NWC employees.

To be eligible for long-term training, an individual must have been employed at NWC three years at the time studies begin.

Long-term training may be considered to meet any of the following objectives:

(1) To update an employee's knowledge where there has been an appreciable lapse of time since the initial academic preparation for employment and subsequent in-service training.

(2) To provide a technically oriented employee with tools of management when job responsibilities have or will become predominantly managerial in nature.

(3) To expand an employee's knowledge and background within his or her occupational specialty, whether he or she occupies a technical or nontechnical position, by providing an opportunity to learn about significant developments or breakthroughs as they pertain to the mission of the Center.

(4) To acquire knowledge of some aspects of another occupation as they relate to an employee's present occupation where responsibilities tend to be interdisciplinary or multidisciplinary in nature.

(5) To provide for educational opportunities stressing motivational and human relations factors that contribute

to effective technical and managerial competence.

Graduate programs are supported by NWC. The Long Term Training Committee (LTT) will consider applications in any area of study that relate directly to NWC program requirements. The primary criteria the LTT follows in determining when long-term training is used in lieu of after-hours, part-time, or short-term programs are as follows:

(1) The new knowledge and skills required of the employee, either in present or planned career assignments, necessitates a comprehensive, concentrated program of study.

(2) The time span for acquisition of new skills and knowledge is such that an accelerated study program of long-term, full-time duration is required.

(3) It is determined that the academic superiority of the institution selected is such that it is clearly in the best interest of the government that the employee attend the selected educational institution.

(4) There is no educational institution or academic program in the local or community area for part-time or after-hours training.

Navy Civilian Personnel Command funds are available to cover the trainee's travel allowances to and from the school, tuition and fees required for enrollment, and payment for moving his or her immediate family and household goods to the school and back to the Center. NWC will be responsible for the trainee's salary.

Previous applicants need not reapply.

No. 35-088R, Interdisciplinary (General/Mechanical/Electronics/Aerospace Engineer/Mathematician/Physicist), DP-801/830/855/861/1520/1310-3, Code 351 — Incumbent will serve as Flight Test Analysis manager for HARM, Low Cost Seeker, Sidarm, and Skipper. Responsibilities include determination and acquisition of hardware and software tools required for efficient data storage, analysis, and presentation. Coordination and participation in the acquisition, reduction, analysis, and presentation of flight test data is required. Skills in coordination, planning, speaking, and writing are necessary. Experience in analysis and flight simulation is desired. To apply, send an updated SF-171 to Dr. Mike Stallard, Code

351.

No. 39-087, Interdisciplinary (Electronics/Aerospace/Mechanical Engineer, Physicist, Computer Scientist, Mathematician) DP-855/861/830/1310/1550/1520-2/3, Code 3911 — This position is in the RF Missile Systems Branch, Code 3911, located in the Weapon Synthesis Division of the Weapons Department. The incumbent will develop weapon system simulations and conduct analysis and evaluation of proposed, developmental, and operational RF guided missiles. Simulations are all digital as well as hardware-in-the-loop (HWIL), and include aerodynamic, propulsion, servo, autopilot, and RF seeker sub-system models. Please send an updated SF-171 to Sue Hucek, Code 391. Promotion potential is to DP-3.

Requests for extensions for fellowships that have previously been approved will be considered by the Long Term Training Committee. All personnel should include in their extension request a record of the grades received to date, future planned courses both during the approved period and the period requested in the extension. An alternative course of action (LWOP, on-Center work, reapplying at a later date) should be provided in the event that the extension is not approved. All extension requests require a department endorsement (either positive or negative) in order to be considered by the Long Term Training Committee.

The following areas of critical need have been established by Center management. Particular interest this year exists in the areas of RF Technology and Computer Software Engineering. Other critical areas are: Computer Science (in a specialization other than that offered at NWC); Electrical Engineering (particularly software, facilities, electronic design, semi-conductors, systems); Mechanical Engineering (analytical mechanics); Aeronautical Engineering; Chemical Engineering; Chemistry; Physics (particularly microwave, optical science, semi-conductors); Applied Mathematics; and Economics/Financial Analysis/Cost Accounting with ADP background.

Further details of the long-term training program are provided in

NAVWPNCEN INST 12410.5L of 30 Sep 1982, and Long-Term Training Handbook. Both sources are available from department offices or from the Training Center. The long-term training application process has been streamlined since issuance of the handbook, so applicants are advised to contact Code 01A2 (NWC ext. 3793, Bldg. 5, Rm. 2102) for application forms. The deadline for submission of applications for programs commencing in the spring semester or winter-spring quarter of 1986-87 is 1 October 1985.

Counseling regarding the various programs and on application procedures is available from Code 094, Nancy Saxton, and Code 01A2, Fred Bien or Tina Deal. For additional help or information, contact Fred Bien or Tina Deal by calling NWC ext. 3793.

Chico advisor visits Center

Dr. Orlando Madrigal of Cal-State University Chico will be on-Center, Thursday, September 19, to advise current and prospective students in the external degree programs offered by the school.

Cal-State University Chico has external degree programs in computer science which lead to bachelor's and master's degrees. Those who wish to see Dr. Madrigal are asked to make an appointment by telephoning Kit Driscoll, Ext. 2648.



Personnel Development Opportunity

FINITE ELEMENT MODELING (40 hours)

23-27 September. 0730-1630, Trailer 1410.

Prerequisite: ADVANCED MECHANICAL DESIGN.

Scope: This course is designed for students who have taken the three mechanical design courses 5A, 6A, and 8A. The designer or engineer will learn to construct and modify a finite element model by entering or changing information in the part database. The student will also learn to create mesh generation and to use commands related to finite element modeling.

Deadline: 9 September.

To enroll in these CAE classes submit an on-Center training request form directly to Judy Westbrook, Code 3657. Do not submit the training request to the Training Center. For more information, contact Judy Westbrook at ext. 1089 or Sandy Spurgeon at ext. 1048. (Code 3657)

GROUNDING & SHIELDING ELECTRONIC INSTRUMENTATION

3 and 4 October; Thursday, 0800-1600; Friday, 0800-1130; Cerro Coso City Center, Room 101. By: Dr. Tom Van Doren, Professor of Electrical Engineering at the University of Missouri-Rolla.

Scope: The lecture and demonstration portion of this class will stress the fundamental principles involved in typical grounding and shielding problems. The presentation will be at an introductory level but a thorough knowledge of electronic circuit and system design will be assumed. Several interference coupling

mechanisms and shielding techniques will be demonstrated.

COURSE CONTENT

1. Introduction
 - a. Example systems and problem areas
 - b. Noise coupling and reduction methods
 - c. Purpose of grounding and shielding
 - d. Critique of reference materials
2. Grounding for Safety
 - a. Grounding AC systems
 - b. Requirements for an effective grounding path
 - c. Summary of safety grounding requirements
3. Electrical Properties of Signal Sources
 - a. Properties influencing grounding and shielding
 - b. Transducer equivalent circuits
4. Amplifier Configurations
 - a. Single-ended vs. differential input
 - b. Concept of common mode and difference mode
 - c. Differential amplifier characteristics
 - d. Conversion of common mode to difference mode
5. Electrical Interference
 - a. Demonstrations of interference coupling
 - b. Description of interference coupling mechanisms
 - c. Classification of electrical interference sources

PROGRAM MANAGEMENT, PART 1

1-3 October; Tuesday and Wednesday, 0800-1600; Thursday, 0800-1130; Michelson Laboratory Conference Room B/C. By: Dr. Ed. Alden.

Intended Audience: Technical Management Program students.

Prerequisite: Program Management Orientation listed under Category II.

Demo project employees may request rating reconsideration

An employee covered by the demonstration project who has been given a rating of 2, 3, 4, or 5 for the performance period ending July 31, may request reconsideration of the rating. Also, an employee who has received a 1 rating with a c + 3i payout or a rating 3 with a c only payout must request reconsideration of the payout.

The request must be presented, in writing, to the employee's third level supervisor no later than the close of business on Tuesday, October 22, 1985.

The request must include a copy of the performance plan and assessment and should provide sufficient detail to indicate why the employee feels a higher rating and/or payout is warranted. The request must indicate the rating desired.

Any questions concerning reconsideration requests may be addressed to Eileen P. Shibley at ext. 2018 or 2592.