



HEART BALL — Gabriela Scofield and Dr. Dan Kus display a poster advertising the Second Annual Heart Ball sponsored on Feb. 14 (Valentine's Day) by the Indian Wells Valley Unit of the American Heart Association. Tickets to the ball at LeParc Restaurant are now on sale at \$25 per person. — Photo by PH2 Rick Moore

American Heart Association to hold ball Valentine's Day

Dr. Dan Kus, president of Indian Wells Valley Unit, American Heart Association announced the group's annual Heart Ball is scheduled for Friday, Feb. 14, better known as Valentine's Day, at LeParc Restaurant in Ridgecrest.

Chairing the second ever IWV Heart Ball is Gabriela Scofield, who has said she expects an entertaining evening, including dancing to the music of the Sunlight Dance Band.

Dr. Jerry Hamburger, a noted cardiologist, will be the featured speaker for the event, which will also include an auction featuring works by area artists and donations from IWV merchants. Gary Staab will act as master of ceremonies for the night.

Dr. Kus noted the IWV unit was established a year ago in an effort to bring more American Heart Association programs to the valley. Programs like "Heart at Work," "Jump for the Heart" and "Dance-a-thon" have been introduced to the community through the IWV unit.

"We hope to bring many more AHA programs to the valley in the near future,"

said Dr. Kus. "Heart disease is a number one killer in America. The goal for AHA is to help reduce the number of deaths relating to heart disease through education, research and greater awareness," he added.

Tickets for the Heart Ball are available at Ridgecrest Community Hospital, Drummond Medical Group, Pinafore Shoppe and Farris' Restaurant. All profits go to the American Heart Association.

Watercolors by Sue Floyd shown

On Sunday afternoon from 2 to 4 o'clock a reception will be held at the Maturango Museum's Sylvia Winslow Gallery in honor of the featured artist of the month, Sue Floyd. All art lovers are invited to attend.

Mrs. Floyd's water color paintings in the exhibit theme of "With Brush in Hand" will be on display at the gallery throughout the month of February.

Public Health Department offering flu vaccine

The most common cause of bacterial meningitis in children in the United States is Haemophilus influenza type b. The approximately 12,000 cases occurring in the United States annually are primarily in children under five years of age.

A new Haemophilus influenza type b (Hib) vaccine is now available to the public. The U.S. Public Health Service Advisory Committee on Immunization Practices (ACIP) recommends immunization with the Hib vaccine of all children at 24 months of age.

Children who may be considered in known high-risk groups are recommended to receive the vaccine at 18 months of age. High-risk groups include children attending

day-care facilities, children with chronic conditions such as anatomic or functional asplenia, sickle cell diseases, splenectomy and malignancies associated with immunosuppression.

Otitis media, recurrent upper respiratory diseases, and sinusitis are not considered indications for the vaccine because these diseases are caused by nontypeable strains of H. influenza.

Vaccine is not recommended for children under 18 months of age.

Leon M. Hebertson, M.D., Kern County Director of Public Health Services, stated that Health Department policy agrees with the ACIP recommendations. Therefore, Hib

vaccine will now be offered at all Child Health Conferences (well baby clinics) and immunization clinics.

The charge for each injection of Hib vaccine is \$11. Medi-Cal stickers will be honored and Child Health and Disability Prevention Program eligible children can receive the injection without charge. Hib vaccine charges are not included in the maximum five dollars per family fee established for Health Department immunization clinics.

For more information about Haemophilus influenza type b or the Hib vaccine, call the Kern County Health Department, 375-5157.

On February 3, from 8 a.m. until noon, the Kern County Health Department, located at 250 W. Ridgecrest Boulevard, will be holding its February immunization clinic.

The Health Department holds monthly immunization clinics throughout the county for children two months to 17 years of age. A parent or legal guardian must sign consent forms for persons under 18 years of age.

The cost of each immunization is \$2.00, with a maximum charge of \$5.00 per family visit. Credit cards, insurance forms, or large bills will not be accepted.

Disco scheduled

Disco next Wednesday with the band "Upstage" from 8 to 11:30 p.m. at the Enlisted Mess. Reservations are not required.

Movies

FRIDAY, SATURDAY, MONDAY JAN. 31, FEB. 1, 2
"REMO WILLIAMS: THE ADVENTURE BEGINS"
Starring
Fred Ward and Joel Gray
(Adventure, rated PG-13, 121 min.)

SUNDAY FEBRUARY 2
"MARTIN'S DAY"
Starring
Richard Harris and James Coburn
(Drama, rated PG, 99 min.)

WEDNESDAY FEBRUARY 5
"THE AMBASSADOR"
Starring
Robert Mitchum and Rock Hudson
(Spy Thriller, rated R, 97 min.)

FRIDAY FEBRUARY 7
"SILVERADO"
Starring
Kevin Kline and Scott Glenn
(Western/Drama, rated PG-13, 133 min.)

Starting Times: Matinee / 2 pm Evening / 7 pm

(U) ALL AGES ADMITTED
General Audiences

(PG) ALL AGES ADMITTED
Parental Guidance Suggested

(R) RESTRICTED
Under 17 Requires Accompanying Parent or Adult Guardian

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1986 — No. 20040

FROM: _____ PLACE STAMP HERE

TO: _____

Chapter 446 of the Experimental Aircraft Association will meet in the Ridgecrest Branch, Kern County Library at 7:30 p.m. Wednesday.

The Thorpe T-18 Aircraft Project will be the topic for discussion at this meeting. For additional information, call Steve Rainey at NWC ext. 5602.

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Don Green from NWC's Central Staff Department will be guest speaker when the Federal Manager's Association installs new officers at the Feb. 4 luncheon meeting at the Enlisted Mess.

Green will talk about Naval Industrial Funding (NIF) compared to non-NIF situations and give a status report on NWC's STAFFS projects.

Members and guests are invited to the 11:30 a.m. meeting in the Flight Deck Room of the Enlisted Mess.

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NWC's Recreational Department Sports Branch is offering yoga classes for the next month. Classes have already begun, but late registration is possible at the NWC Gym. Classes meet Monday and Wednesdays from 5 to 6 p.m. in the gym. Classes will cost \$16 for the rest of a month's worth of instruction.

For more information call the Sports Branch at NWC ext. 2334.

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The Commissioned Officers' Mess is serving Sunday Brunch every Sunday from 9:30 a.m. to 1:30 p.m.

Community Events

A class of religious instruction in the Catholic faith will begin at the NWC Chapel Annex on Thursday, Feb. 6, 7 p.m.

This class is primarily for those who are inquiring about the Catholic faith with the possibility of joining the church. Father A.J. Smith will teach this class.

This class could prove very beneficial for those married to Catholics, even if they do not intend to join the church.

For additional information on this class please call the Chapel office at NWC ext. 3506.

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New hours have been established by the Self-Help Store at NWC Housing Division's Office. The store is now open from 11:30 a.m. to 5 p.m. Monday through Friday. Saturday hours remain 10 a.m. to 2 p.m.

Tools and materials needed to help keep housing quarters and grounds in good condition can usually be obtained from the Self-Help Store.

The store is in the rear of the NWC Housing Office on East Inyokern Road.

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Highlighting Monday's meeting of the China Lake Astronomical Society will be a presentation by Mark Arnold on weather in the Indian Wells Valley as it relates to astronomical observation.

The meeting will be held at 7:30 p.m. at the Kern County Library, 131 E. Las Flores in Ridgecrest. All interested persons are invited to attend. Any questions about the meeting or the CLAS can be answered by Don Bell, NWC ext. 3288.



Weather Report

	Max	Min	Peak Gust	Precip
Fri.	67	30	9 knots	
Sat.	71	27	7 knots	
Sun.	74	26	8 knots	
Mon.	75	28	6 knots	
Tues.	74	30	7 knots	
Wed.	60	33	21 knots	0.02 in.
Thurs.	51	45	12 knots	0.85 in.

All measurements are made at Armitage Airfield.

Two Center department heads swap positions

At Monday morning's Commander's meeting, Deputy Technical Director Gerry Schiefer announced that in keeping with the Senior Executive Service rotation, two of the Center's department heads have switched jobs.

Matt Anderson, who had headed the Fuze and Sensors Department, and Carl Schaniel, former head of the Ordnance Systems Department, have traded their locations and departments. Although the switch officially took place last Sunday,

physically they will move into their new department offices on Monday.

"We're pleased with this rotation," Schiefer noted, "because it not only is a broadening experience for both, but it also keeps both within their area of expertise in ordnance."

Members of the Senior Executive Service ordinarily rotate assignments each five years.

Schaniel, who has been head of Code 32 since 1978, has been at China Lake since 1962 when he moved here from what was

then the Navy Electronics Laboratory at San Diego. In addition to serving as head of the Weapons Planning Group for a number of years, his assignment to the Ordnance Systems Department was preceded by a year's executive training assignment in Washington in the Office of the Deputy Director (Tactical Warfare Programs) of the Office of the Director of Defense Research and Engineering.

Anderson, who has headed Code 33 since 1981, moved to China Lake when the Corona

Laboratories were closed in 1970. His prior NWC assignments include stints as a division head in the Fuze Department, Independent Exploratory Development Coordinator, working in the HARM program office to help get a second source contract started, and serving as associate head of Code 33. He holds a master's degree in management, which he received as a Sloan Fellow following a year spent at M.I.T.'s Alfred P. Sloan School of Management.

NWC assists in anti-terrorism device testing

As a result of tests underway at the Center's Supersonic Naval Ordnance Research Track (SNORT), American State Department and Department of Defense personnel will be better protected from terrorism. Being tested are barrier devices to keep terrorists from driving cars or trucks loaded with explosives up to buildings where they can be detonated such as occurred at the Marine Barracks in Lebanon.

The facility for this anti-terrorist barricade testing consists of a 100-foot single-rail track designed and built by the Range Department and located at SNORT.

Recently tested was a metal security gate built by the Rewes Engineering Company. The security gate developed by this vendor consists of a gate built of "H" beams sandwiched between two sheets of diamond plate. In front of the gate is a pit, 3 feet deep by 10 feet wide by 5 feet long. In the down position, the security gate covers the pit so that vehicles can drive through the gateway.

When terrorist activity is expected, the barrier gate pivots up to a 60-degree forward angle. The barrier gate swings up in less than 2 seconds; it can be powered electrically, hydraulically or manually.

During a recent test, a 10,000-pound truck was used. The truck was accelerated by rocket motors on a guided track to a speed of 50 miles per hour when it hit the barricade.

Videotapes of the impact showed that the barrier bowed slightly when hit by the truck. The truck itself came to an abrupt halt at the barrier, with its front end destroyed. The anthropomorphic dummy, properly seat-belted in place, was restrained from being catapulted out of the truck by the crash forces.

A complete evaluation of the effectiveness of this particular barrier gate awaits data reduction by Michael Smith from the Security Engineering Division of the Naval Civil Engineering Laboratory at Port Hueneeme. NCEL is the lead laboratory for the anti-terrorist barricade program for the DOD, and Smith is project engineer.

NWC project engineer for the tests is Gene Drew, who comments that "We at the Range Department are pleased to be able to contribute to this important testing program for the Department of Defense and the Department of State."

His words are echoed by Bob Bouse, head of the Track Operations Branch (SNORT). Bouse adds that "Most of the tests conducted at the SNORT facility are unique, and this one is certainly no exception. Initial results from this program have proven the concept and have provided a firm basis for evaluation of a variety of systems. These particular tests are a good demonstration of how private enterprise and the government are working together at the Naval Weapons Center."



TRUCK STOP — Michael Smith from NCEL, project engineer for the anti-terrorist barricade program in the Department of Defense, examines the security gate that has been hit by the 10,000-pound truck. Although the barricade was flattened, the truck is obviously not going to ever drive again. — Photo by PH2 Rick Moore

Civilian hiring freeze now in place

The Office of the Secretary of the Navy in coordination with the Office of Civilian Personnel Management has announced a freeze on the hiring of civilian employees.

The freeze was invoked to contain personnel expenses for those claimancies which are currently spending more on civilian employment than projected in their approved budget plan. This action was taken to allow as much accomplishment of the Congressionally approved FY 1986 budget as possible and to head off potentially more drastic action in execution of FY 1986 program under the reduced funding levels mandated by Gramm-Rudman.

The freeze applies to all major claimants, including their subordinate activities, who are action addressees.

The freeze was effective immediately as of Jan. 23.

The freeze applies to United States direct hires, foreign national direct hires and foreign national indirect hires.

The freeze covers all types of appointments including full time permanent, temporary, part-time, intermittents, etc.

The freeze applies to previous commitments, unless the individual has been appointed in the Civil Service, engaged in the performance of a federal function, i.e. entered on duty, and is already under the supervision of a federal supervisor. (For NWC, this does not mean transfers outside our claimancy (DNL Laboratories).)

Guidance includes: Reassignments, transfers, or appointments of personnel between Department of the Navy claimancies, or from DOD activities, or other federal agencies are considered to be new hires and are therefore prohibited.

Promotions and reassignments within each claimancy are allowed, subject to the normal personnel regulatory requirements in place.

Routine conversion of excepted appointments to career/career conditional status within each claimancy is allowed for Veteran's Readjustment Appointees, Schedule B Cooperative Education, Federal Junior Fellowship Program, and handicapped employees.

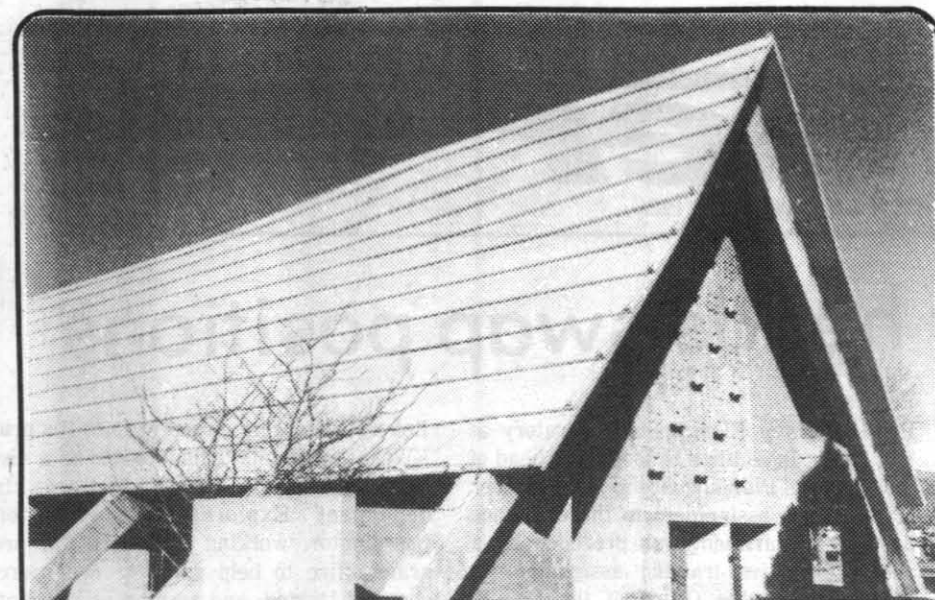
Appointments for personnel exercising return rights from overseas activities will be honored.

Conversion of temporary appointments to permanent status is considered to be a new appointment and is subject to the freeze.

Addressees may plan and recruit for summer employment and other student and intern recruitment programs, but may not enter into any commitments until such time as the freeze is lifted or a waiver is granted.

All accessions and separations must be reported within 5 days of the occurrence.

The freeze will remain in effect until further notice.



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

ROMAN CATHOLIC
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, Lt. Cdr., CHC, USN
 Phone, NWC ext. 3506, 3507

Retiree directory published

Retirees from the Naval Weapons Center and its predecessor, the Naval Ordnance Test Station, now have a directory so they can stay in touch with their former fellow workers who live within a 100-mile radius of the Center. About 370 names and addresses are listed.

A second and expanded version of the directory is already underway. Anyone who is not included in the original directory and would like to be listed in the supplement is

asked to get in touch with one of the members of the committee in charge of publication.

Committee members include: W. B. Davis, 235 Apache Lane; John DiPol, 836 W. Howell St.; Bob McKenzie, 620 Sylvia St.; Jean Rollingson, 131 Silver Ridge Dr.; and Don Yockey, 222 N. Peg. All of the above live in Ridgecrest, CA 93555. Also a committee member is Louise Mitchell, P.O. Box 2076, Inyokern, CA 93527.

Honor, privilege to work says Martha Harrington

"It's important," says Martha Harrington, secretary to Center Commander Capt. K. A. Dickerson, "that you be proud of your profession, whether it's being a ditchdigger, a secretary, or an engineer. Any job that's worth doing is worth doing well because it's an honor and a privilege to be able to work."

She says that she especially feels privileged to be able to work at NWC because "it's just like a big family here." Mrs. Harrington adds that in 1960 when she would drive by the Indian Wells Valley on her way from Corona to go skiing, she used to wonder that anyone would live here — and now she and her husband, Bill, can't imagine living any place else.

The two of them met when she went to work as a branch secretary at the Navy's Corona laboratories in 1959. Corona, Mrs.

Harrington notes, was a logical place for her to work since she grew up just six miles from there.

The only time that she has lived outside of the State of California was the two year period in the mid 1960s when they moved to a ranch outside Clovis, New Mexico and tried their hands at raising wheat, cattle and milo. When they returned to California, Mrs. Harrington continued as a housewife throughout the rest of their stay at Corona and through the first several years that they spent in the IWV after the Corona personnel were moved here.

In 1979, she decided that both their children, Wayland and Tanya, were nearly grown up and that she'd like to go back to work. Her first job at NWC was as a W.A.E. in the Commander's office. From there she spent a short time working in the Staff

Bed rest, fluids, analgesic best way to treat most flu

It starts with a mild headache, followed by a runny nose, fever, aches, pains and general malaise. You've probably got the flu, but that should be confirmed by medical authorities.

In general, the recommended treatment is bed rest, plenty of fluids and a mild pain reliever. Some flu victims need more treatment, others need less. Flu usually runs its course in a week.

October through April is flu season, according to Lt. Cmdr. (Dr.) Joel Rosenstock, assistant professor of preventive medicine and biometrics and assistant professor of medicine at the Uniformed Services University of the Health Sciences, the nation's only military medical school.

Although a case of the flu is generally not worrisome to people from 22 to 30, Rosenstock points out that senior enlisted and officer personnel should be aware of serious complications associated with the flu.

"A major complication is primary viral pneumonia," said Rosenstock. "The flu invades the lungs and causes pneumonia. Ten to 30 percent of those who contract pneumonia will die."

An older person with the flu is in a weakened state and open to a "super infection," a situation in which bacteria invades the lungs, resulting in bacterial pneumonia.

With bacterial pneumonia, the flu sufferer has the common symptoms associated with the flu. The sufferer then begins to feel better for a couple of days. "When the second infection sets in," cautioned Rosenstock, "it will be accompanied by fever, chills, shaking and a cough. If the bacterial pneumonia is not diagnosed and treated, the pneumonia could be fatal."

Rosenstock also cautioned that in some cases the flu can "tip people over the edge" who are suffering from pulmonary diseases such as bronchitis or asthma. "The flu further complicates these conditions and may result in serious problems and even death," said Rosenstock.

"Avoiding the flu is the best treatment possible," said Rosenstock. That means getting a flu shot. There are four high risk

groups of people who should be sure to receive flu immunizations. The first is anyone with a chronic heart or lung disease and anyone in a chronic care facility like a nursing home.

The second category is health care professionals, followed by those more than 65 years of age. Fourth is those persons less than 65 with milder pulmonary problems.

People who are allergic to eggs should avoid the flu vaccine, since the vaccine is grown in chicken eggs.

Rosenstock said flu is one of the rare viral diseases for which there is medical treatment, but one that is seldom used.

The drug Amantadine is helpful, provided the sufferer is seen by a physician during the first one to three days of the onset of the flu. "The drug helps reduce the symptoms of the flu by about 50 percent, and it lasts a shorter time," said Rosenstock. The drug is given mostly to those who don't have the flu to help prevent its spread in possible epidemic situations. But it has side effects ranging from shaking to dizziness to insomnia.

"Aspirin should not be given to children or teen-agers when they have flu-like symptoms," stressed Rosenstock.

"There is a possible association between aspirin and Reye's syndrome — a potentially fatal illness that leads to a sudden deterioration of the brain and liver."

Reye's syndrome can affect people up to age 20, but Rosenstock pointed out it occurs mainly in children under 12.

"Reye's syndrome brings about neurological changes," said Rosenstock. "The symptoms are dizziness and protracted vomiting." Mothers should be cautioned that an episode of intractable vomiting after the onset of flu is reason to seek a doctor's care, said Rosenstock. There is no real treatment for Reye's syndrome, and 10 to 15 percent of the victims die.

Acetaminophen (brand names: Tylenol, Liquiprin, Tempra and Datriil) is generally considered safe for children as a fever control, advised Rosenstock. Acetaminophen has not been linked to Reye's syndrome.

Judge Advocate's office, and then applied for the job as the Skipper's secretary when that became available.

One of the fringe benefits to NWC employment, both she and her husband (who's a supervisory aerospace engineer in the T&E Directorate) feel, is the opportunity to spend a lot of time out of doors.

They and their young granddaughter, Georgia, 2, work in their Christmas tree farm daily as well as putting in all the extra hours needed in the time between Thanksgiving and Christmas. "Bill," says

Mrs. Harrington, "grew up on a farm and really likes growing things."

In addition, Mrs. Harrington likes to jog and likes to ride her horse. She says that she discovered to her surprise that the animal is 23 or 24 years old, a real surprise because "he's as frisky and playful as a colt."

"I feel so fortunate," she notes. "I've got a job I enjoy, and my family and I like the outdoor life that's possible here. And, most important of all, all the people here are great."



WELCOME SIGHT — Martha Harrington's friendly smile greets visitors to the Center Commander's Office. — Photo by PHAA Bob Reynolds

Randsburg refuses to become real ghost town

Although over 4,000 people lived in the town of Randsburg when it boomed following discovery of gold in 1895, only a few hundred call it home today. Visitors to the "living ghost town" can see shack buildings in various stages of decay as well as those still being occupied.

A main street holds post office and general store — as well as a restored "saloon." Antique buffs have several shops to wander through in search of treasures. And history or geology buffs enjoy visiting the tiny museum on Saturdays and Sundays from 10 a.m. to 5 p.m.

When the weather is good, the "Randsburg Shootists" stage mock hold-ups and put on fast draw exhibitions on Saturdays, starting at around noon.

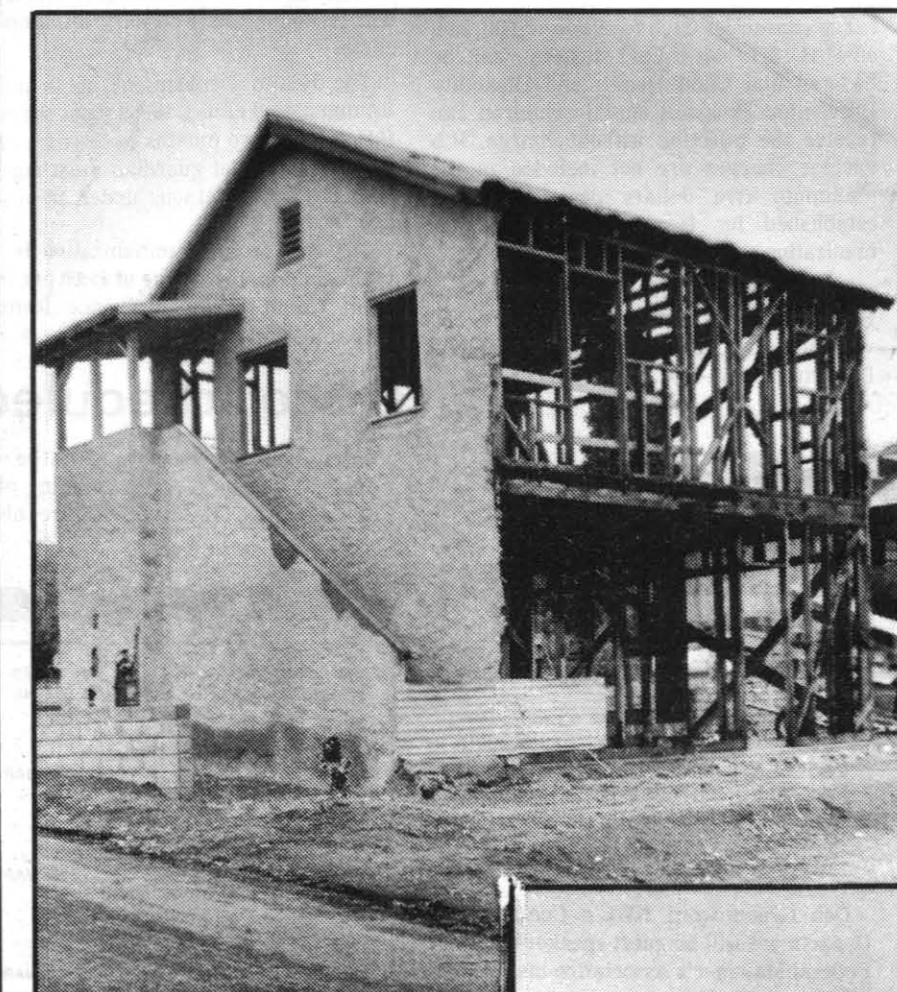
The area was named Rand after the Witwatersrand mining area of South Africa because of extensive gold deposits. More than \$25 million in gold was taken from the Yellow Aster mine alone.

Other booms in the district occurred when tungsten was discovered during World War I, and horn silver was found more than six decades ago. Abandoned mines as well as those whose owners hope that they will again be operative can be found throughout the Rand district. Do not enter any mines; they can be hazardous.

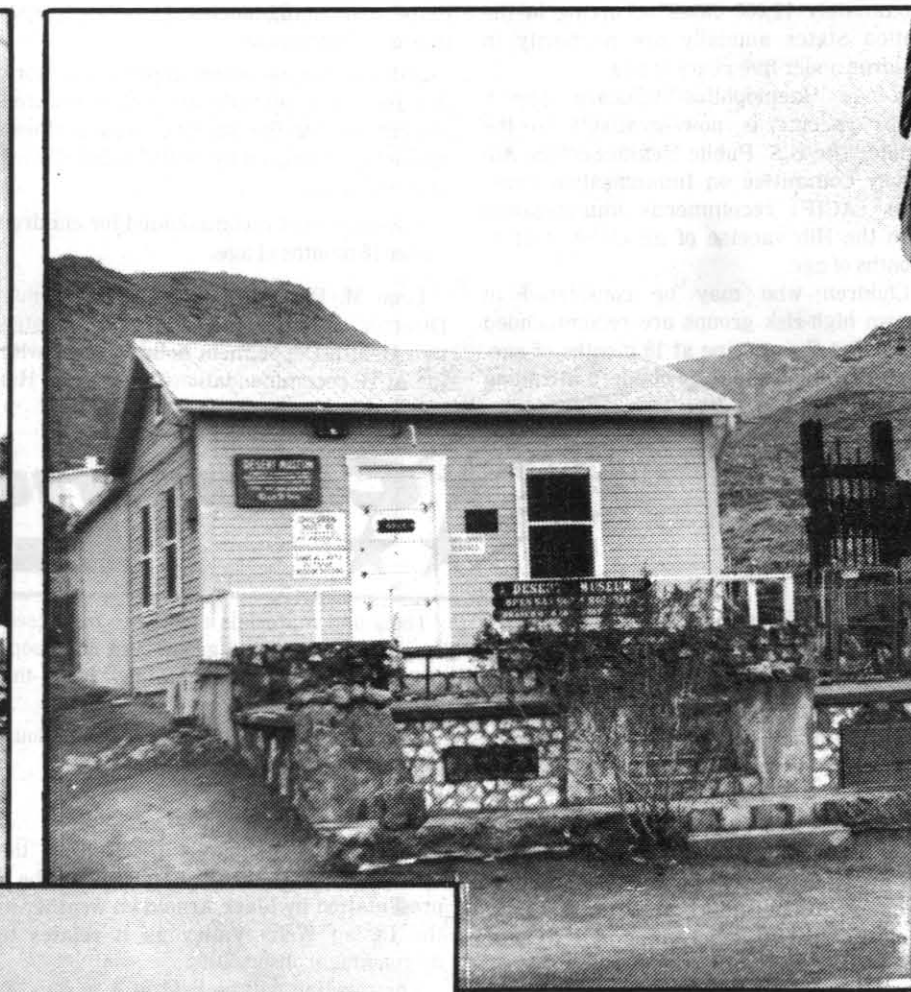
To get to Randsburg, take Highway 395 south and turn west at the sign, which is about a mile north of Johannesburg. Turn south at the main street — which isn't hard to find.



OPEN FOR BUSINESS — Randsburg stores are ready to serve visitors.



SKELETONS REMAIN — Perhaps the same ghosts living in what's left of the partially dismantled house can be found working in one of the mines remaining near Randsburg. Visitors should stay clear of the mines like the one pictured because many are still privately owned.



MUSEUM OPEN — Each weekend visitors can see displays in the Desert Museum on Randsburg's main street.



Story & photos by Mickey Strang


NWC Rocketeer

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Lake Isabella becomes hot spot for anglers

by Mike Vradenburg

Mornings are cold and the afternoons are breezy at Lake Isabella. Fishing is red hot! Many anglers are out before dawn waiting for the action to begin.

Fishing becomes active after the sun comes up, and remains good throughout the day. Large numbers of good size trout, salmon, and bass are being caught.

A 9 lb. 3 oz. trout was caught in early January on nightcrawlers at launch area 19. And more than 20 other trout over two pounds have been weighed in at local stores.

Several large bass were also caught, but most anglers are catching the one-to-three pound size.

Trout anglers are using nightcrawlers, cheese, salmon eggs, and the marsh-

mallow/egg combination. They are concentrating their efforts along the shore where the bank or rock ledges drop off quickly into deep water.

Large trout have been hitting hard for the last month, and are remaining stable in their feeding locations. The best spots are taken early in the day by local anglers.

These areas include French Gulch, Main Dam, Auxiliary Dam, Launch No. 17, Piney Point, Kissack Cove, Stine Cove, and Camp Nine. Smart anglers bring a net. Large trout fight hard and are easily lost if given too much slack.

Trotting enthusiasts are catching trout from the surface down to about 20 feet us-

ing spoons, spinners, and minnow lures. A few good size bass are caught while trolling for trout, but the biggest ones are being taken by the bass pros.

During the winter there will always be some bass in the shallows, but most bass have moved to structures in deeper water. Bass are found near submerged trees and rocks.

The most commonly used live baits are nightcrawlers, crawdads, and waterdogs. The best artificial baits are pig n' jigs with Uncle Josh's twin tail attached, rubber-worms, silver plastic minnows, and spoons.

The best areas for bass are Rocky Point, Piney Point, Lime Dyke, Stine Point, Camp Nine, and in the channel off Boulder Gulch. Bass fishing is just beginning to improve.



Sports



PEARSONVILLE ACTION — Racing at Pearsonville's High Desert Speedway last weekend included several classes of cars. Martin Mosley driving car 11 won the \$1,000 purse in this heat.

Flyfisher classes begin Feb. 6

The Agua Bonita Flyfishers will be conducting the first of its 1986 fly tying classes, starting Thursday, February 6. This class will cover the basics of tying flies, including tools and materials. A different pattern will be tied each session. The selected patterns are proven fish catchers.

The first meeting will be for general information, detailing the class structure, meeting nights, costs, etc. The meetings will be at Grace Lutheran Church at the corner of Norma and Las Flores, starting at 7 p.m.

The class is open to all interested individuals. For further information contact Chuck Newmyer at 375-5810.

Warm water fishery enhancement program set by DWP

Warm water anglers are looking forward to an event planned next Monday by the Los Angeles Department of Water and Power.

Under the mitigation agreement signed with Inyo County, DWP will release 20 second feet of water through Black Rock

ditch. About 15 feet will go into the old Owens River, which will flow continuously into Owens Lake, and five second feet will go into Twin Lake, Goose Lake and the other ponds east of the Black Rock hatchery.

The added water will dramatically im-

prove the warm water fishing for bass and catfish. Bass fishing should show a major improvement by this summer, should be very good next summer and superb thereafter.

Fishing in the Owens Valley right now is good for planted trout in the Owens River

from Stewart Lane north to the Pleasant Valley reservoir. Even for those who aren't catching fish, the weather up there makes for a glorious outing since nights are still too cold for mosquitoes or any of the buzzing insects to survive and daytimes are in the 70-degree range.

Jones' Mobile out in front

Sporting a 226-114 record, Jones' Mobile is running away from competition in the Premier Bowling League. Second place Buggy Bath is 24 games back in the win column with a 202-138 mark.

Elks Lodge kegglers are making a move for second place, boosting their record this season to 184½-155½ while The Place holds the number four slot at 163-177.

Team competition found The Place bowlers rolling a 820 game and high team series honors went to bowlers from The Place when they counted a 2,268 team total.

Bob Black took individual honors for the week, rolling a 255 game en route to a 639 series. Dave Vander Houwen had a 254 game and a 620 series while Gary Paulson rolled a 225 game.

Youth cage play continues

Only incomplete results from last weekend's Recreational Youth Basketball League play were available at The Rocketeer's deadline.

Junior Division

Lakers, 34, Hawks 29

Mike Strathdee's 12 points paced the Lakers to their win against the Hawks. Danny Wilson, Hymn Jones and Greg Benadom added six points each in the win. David Bartels hit seven points to lead the Hawks while Chris Brown had six points.

Pacers 33, Jazz 31

Behind Brian Perez' 15 points, the Pacers nipped the Jazz in Saturday play. Todd Mather added nine points in the win. Carl Brown's seven points were high for the

Jazz while Christopher Marshall and Christopher McLaury had four points each.

Senior Division

Clippers 39, Kings 36

In a hard-fought game, the Clippers nipped the Kings as they got 12 points from Wade Boyak and seven more from Cecil Blank. The Kings were paced by Kris Merz' 16-point effort and an eight-point game from Kevin Skidmore.

Bullets 60, Mavericks 32

The Clippers ran off with this easy win as they got a 26-point performance from Chris Armstrong and 17 points from Tom Mean. Richard Staples netted 12 points in the loss, and the Mavericks added an 11-point, performance from Aldean Jones.

Simpson, Dougherty win title

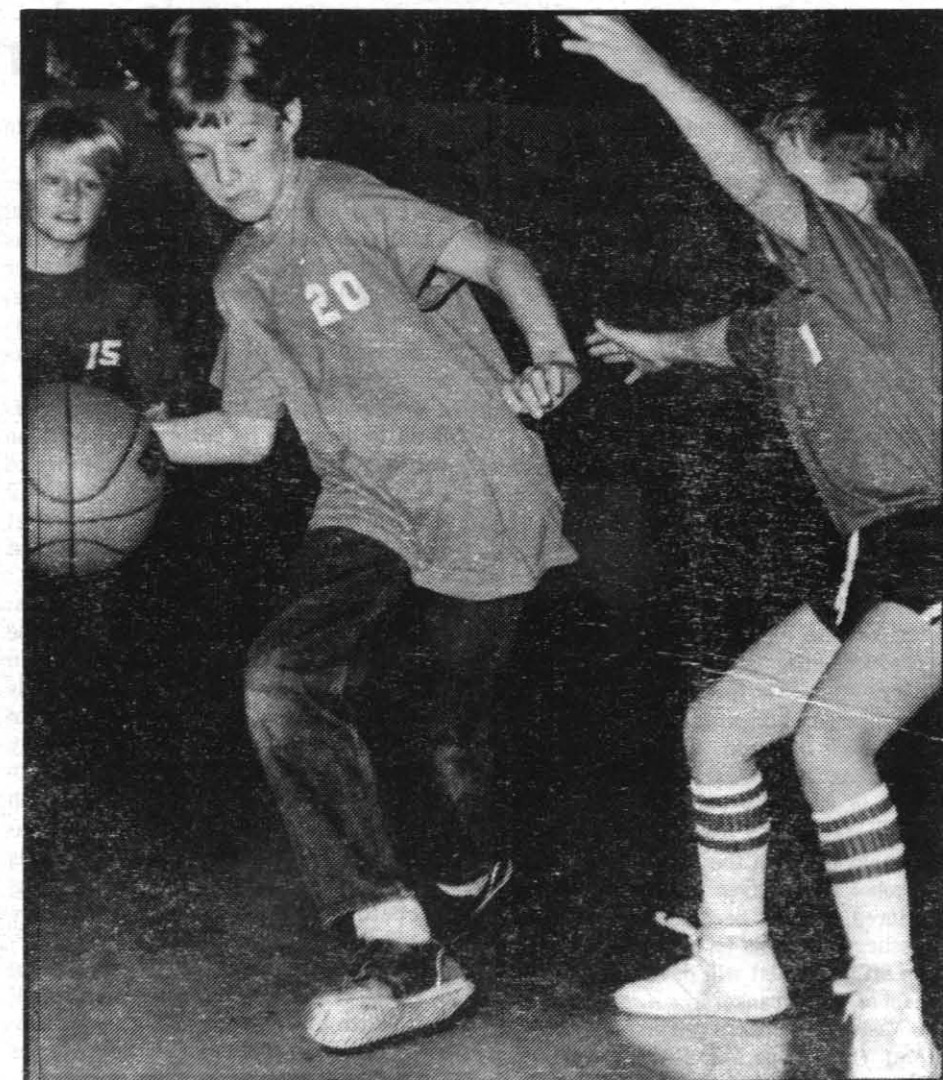
Gene Simpson took top honors in the NWC Racquetball Tournament held last weekend. Art Sherman was second and B.J. Holden was third in Open Division competition.

Simpson cruised to his title, winning the championship match 15-3, 15-3.

Novice division action found Terry

Dougherty winning the title while Felix Rurrera took second place and Caesar Beckett coming in third. Dougherty had to battle his way to the title, winning the final match 15-9, 11-15, 11-4.

NWC's Sport Branch sponsored the tournament and has scheduled a doubles tourney for May.



PRESSURE — Kris Carter (20) of the Nuggets tries to get away from pressure applied by Howard Gamble (right) and Sean Gilbreath (15) during NWC Recreation League basketball play on Saturday. The two teams compete in the Intermediate Division.



The Skipper Sez...

QUESTION

Civilian Employee — Hello, Captain, I work at Code 25. I had an answer to this many years ago, it wasn't satisfactory then, so I'd forgotten it. The station theater, when I first came here in 1963, had a big beautiful screen and movies were a real pleasure to watch. Sometime several years ago the decision was made to replace this with a small screen projection. Since then I've not attended a movie very often. Some months I'll forget how angry I became the last time and I'll try it again. Even the old movies and the Walt Disney's and the big screen projections, you could see a beautiful movie, but now the feeling is that I'm watching an old World War II training film, because they have a very small screen. About 20 percent of both sides of the picture is cut off. I'm wondering if the idiot who originally did this may be out of the way, and we could replace it with the old projections. Thank you.

ANSWER

Navy Motion Picture Service, (NMPS) a branch from the Navy Military Personnel Command, provides all Navy bases with the equipment and the film circuit schedule necessary to run the motion picture program.

The motion picture service program up until 1972 was done with 35mm film. In 1972 it was decided to more economically serve the fleet with films by converting the systems to 16mm projections. By doing this, it enabled the Navy to provide quality films with less cost considering it was much easier to ship 16mm films, being less bulky and less weight. The projection equipment was also more cost effective to purchase, maintain, etc.

Some of the films are made by the film producers in cinemascope format. When this is the case, a special lens is necessary and causes the film to be shown a bit larger than the screen. Standard print films are shown in a smaller image because of the lens; 16mm is smaller and therefore projects a small image. It does come out very clear, however, especially with the XP 16 Xetron projectors made available from NMPS here at China Lake. Using 16mm film the Navy is able to provide the film service at an extremely low cost to the fleet and enables the military men to enjoy a variety of films otherwise not affordable.

QUESTION

Civilian employee — I have a complaint against the painters who just painted my house. We have a sign that was made overseas that hangs above our door, with our names on it, and when they came through and painted, instead of moving the sign, that is only held up by a nail, they painted over the sign. Even though the sign is not that much of a cost, it's the idea that they did not remove it first. I'd like to know why not. It was private property, it was easy to move, and it was not done. I would like a response please. Thank you.

ANSWER

Tenants were notified to remove items near the house to prevent accidental overspray. It is unfortunate this incident happened when it could have been prevented by either the resident or contractor taking a minute to remove the name sign. The success of contracts in the housing area depends on everyone's cooperation.

The Housing Office notified residents through Rocketeer articles, the Occupant which is mailed to each address, and doorknob notices which were delivered before painting commenced.

Please contact Cathy Chipp in the Quality Assurance Division Office at extension 3488 to file a claim for damage to personal property. Sorry this happened to you.

QUESTION

Commander, I have a question and I would like your opinion. I recently purchased a subscription to a magazine, which I paid for, not the Code; and from it I ordered some items I felt would be of some help to my Code. I had all of these items ordered to my Code, addressed to me, personally, instead of my home.

My question is, does the Code have the right to open my mail when it is addressed to me personally? Since this time, I have requested all of my mail to be sent to my home. Thank you for your answer.

ANSWER

After an item leaves the U.S. Postal system, (i.e., it is delivered to the Weapons Center's mail room for distribution) it is no longer protected by Federal Law. The Code has the right to open mail that is addressed to you, marked personal.

Employees should note that use of the work address for personal mail is improper and should be avoided. It is a misuse of the government manpower and equipment to sort and distribute such mail.

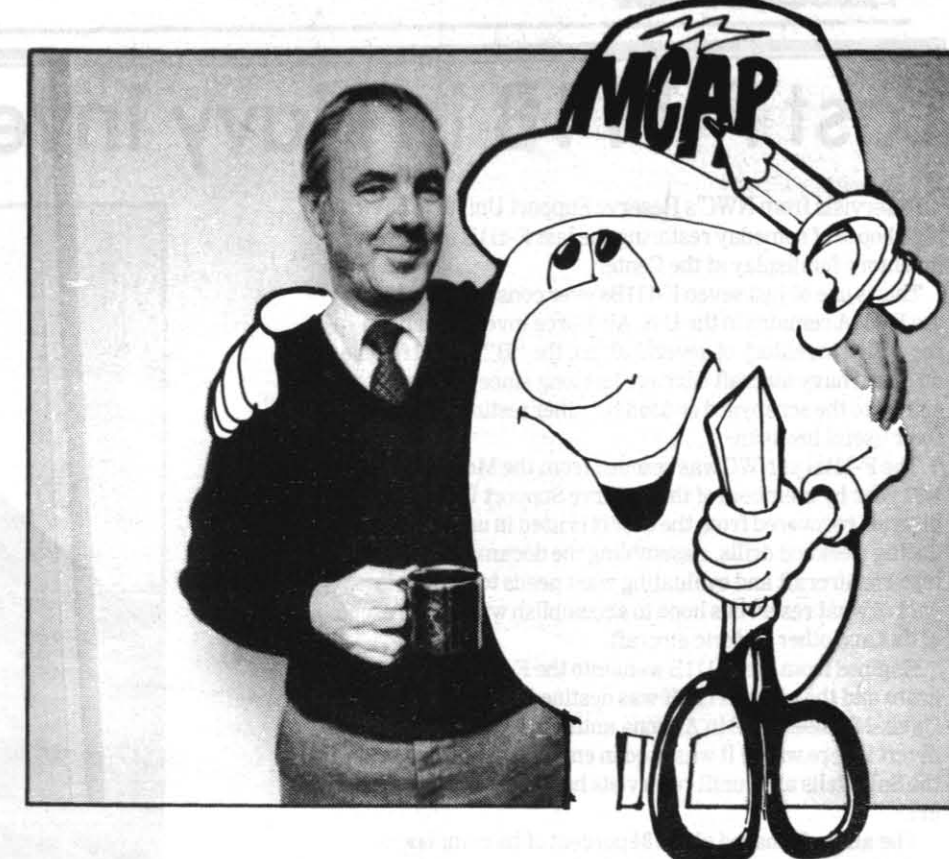
All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. 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.

Center not expected to go off NIF system

Many Center personnel have been concerned that discussions between the Comptroller in the Office of the Secretary of Defense and the Navy Comptroller would result in NWC going off the Navy Industrial Fund financial system.

This, according to NWC Comptroller Dr. Richard Kistler, is not expected to occur in the foreseeable future.

Earlier proposals to take the laboratories out of the Industrial Fund are now being held in abeyance pending further OSD review, and there are compelling reasons



FRIENDS — Dick Malone, who's made two award-winning suggestions under the Model Construction Agency Program, gets together with "Mr. MCAP," the new logo for the program locally. Winners will receive a coffee mug with Mr. MCAP's picture. — Art work by Eric Bengston

Malone wins second award from MCAP for suggestion

Creative approaches to saving time and money by simplifying contracting, paperwork or construction methods in the Public Works Department are being recognized by the Model Construction Agency Program. And, although MCAP is only a couple of months old at NWC, Dick Malone has already scored twice with his suggestions.

Malone, head of the PW Department's Engineering Division, had his second suggestion approved for initiating a master indefinite quantity, multi-trade, one-time, construction contract to replace the multitude of small purchase contracts now needed for small maintenance and construction jobs. The contract would be for a maximum of \$1,000,000, with approximately half being designated for labor and the other half for materials.

Such a construction contract will cover 19 different trades, with the maximum number of labor hours and prices listed for the total contract. Standard construction estimating publications will also be used to develop material costs.

The number of hours and materials required are negotiable.

While each individual job under such a contract will still require preparation of engineering drawings and specifications, both time and money will be saved by not having to go out to bid for each project.

First time MCAP winners are presented a coffee mug emblazoned with Mr. MCAP.

To discuss any suggestion or idea that may be appropriate for MCAP, call MCAP manager Richard Staples at 3411, ext. 254.

Animal shelter open in town

Because of various problems, the old NWC animal shelter located on the Center has been closed since December 31, but some people are still dropping off animals.

The Ridgecrest Animal Shelter, located at 411 San Bernardino Road in Ridgecrest, opened for business on January 2, and is now accepting any strays or unwanted animals. It is open for business from 11 a.m. to 5 p.m., Monday through Friday, excluding holidays.

Instead of dropping off unwanted animals in the desert, individuals can drop them off at the new shelter for adoption at no charge.

The new shelter has 32 regular runs, which hold one to three animals each; and eight quarantine runs, which hold one animal each. Each animal is held for a period of time, usually 1 to 2 weeks, depending upon the number of animals on hand.

Anyone interested in adopting an animal

can do so for only \$7.50. License and shots will be extra.

Anyone who wants a stray picked up, or has any questions regarding the new shelter's operation, can call 375-8157 during the shelter's business hours. Or, for emergencies after hours, call the Ridgecrest Police Department at 375-5044.

IWV United Way slates banquet

United Way of the Indian Wells Valley has scheduled its annual installation of officers and awards banquet for Thursday, Feb. 6 at the NWC Commissioned Officers Mess.

East Kern Municipal Court Judge Charles Porter will be the installing officer and Harry Parode will serve as master of ceremonies.

Tickets are now on sale with Jan. 31 deadline to make reservations for this annual event. Reservations can be made by calling the United Way Office at 375-2143.

The event begins with a 6:30 p.m. social hour followed by dinner. Installation and presentation of awards is scheduled to start at 8 p.m.

<p>NWC HOTLINE Integrity, efficiency program Call: NWC ext. 3636 (24 hrs.) or call the Inspector General at: (800)522-3451 (toll free) 268-6743 (Autovon) (202)433-6743 (commercial)</p>

Last F-111B in Navy inventory at China Lake

Reservists from NWC's Reserve Support Unit 0176 have high hopes of someday restoring the last F-111B in the Navy inventory for display at the Center.

This is one of just seven F-111Bs ever constructed. While the F-111A remains in the U.S. Air Force inventory and in the active inventory of several allies, the "B" Model for use on board navy aircraft carriers has long since been consigned to the scrapyard or used for other testing throughout their useful life span.

The F-111B at NWC was rescued from the Mojave Desert last year by members of the Reserve Support Unit. The aircraft recovered from the desert is used in unit training during weekend drills. Assembling the documentation for historic aircraft and evaluating what needs to be done is part of what reservists hope to accomplish with their rescue of this and other historic aircraft.

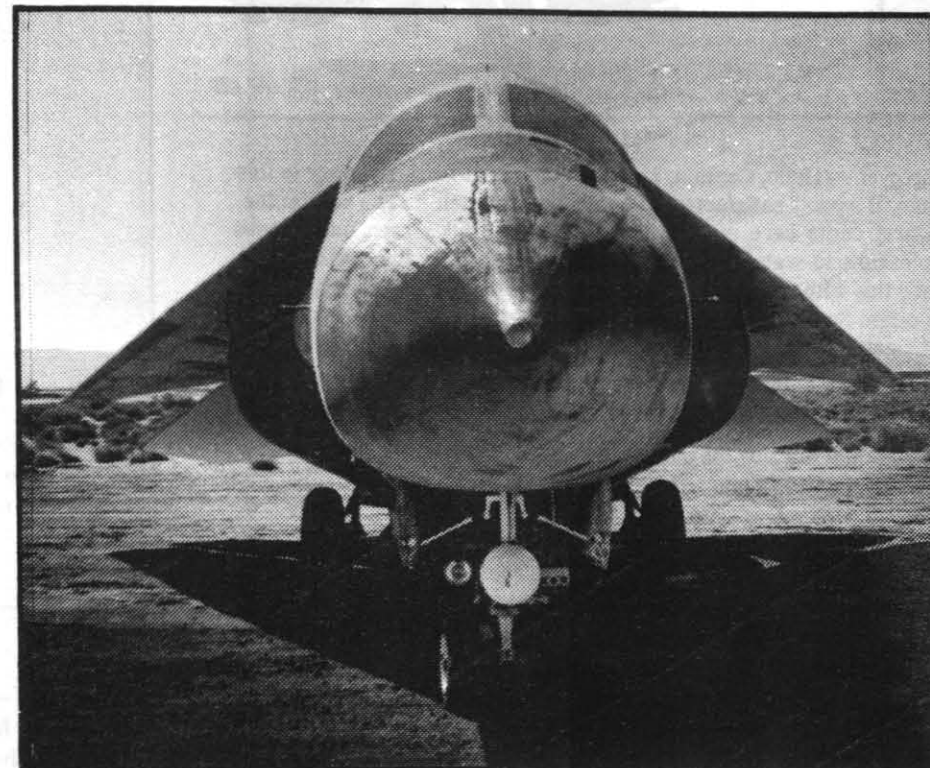
Engines from the F-111B went into the F-14 Tomcat program and the aircraft itself was destined for mothballs at Davis-Monthan AFB in Arizona until China Lake was able to divert it here where it was used in environmental testing in the Salt Wells area until reservists hauled it out of the desert.

The aircraft shared about 84 percent of its components with the Air Force F-111 version and was designed for carrier operation with a payload of up to six Phoenix missiles.

The F-111B proved too heavy for aircraft carrier use and funding for the "B" model was dropped in 1968.

It featured variable geometry wings and was first flown in May of 1965. Several variations of the Air Force aircraft were built with the F-111A and F-111F being the most numerous. The F-111 prototype first flew in late 1964 after a long and troubled development phase. This attempt to construct an aircraft for both land-based and carrier-based applications failed.

NWC's F-111B is minus its engines, but is in otherwise excellent condition for having spent many years without maintenance in the middle of the Mojave Desert.



Technical Mentor Program seeking 15 students

An additional 15 high school students are being sought to enter the Naval Weapons Center's Technical Mentor Work Experience Program next September. Students should currently be sophomores so that they will be juniors when they enter in the two-year program.

The first 12 students selected last fall have been working at NWC under the guidance of technical personnel on a variety of challenging projects. Their aim is eventual employment at the Center as technicians, scientists and engineers.

Although all members of the current group are students at Burroughs High School, those enrolled at Mesquite, Trona and Immanuel Christian High Schools are

also eligible and are encouraged to apply.

The program was initiated by the Research Department and is administered by the Equal Employment Opportunity Office. Heading the program are Dr. Bob Schwartz of the Research Department and Luz Lambert-Shaughnessy of the EEO Office.

Technical Mentors are chosen for their ability to work well with young people as well as for having a good understanding of department projects and requirements. The students will work directly under their guidance.

Assignments for the students are intended to be instructive and developmental, while involving the students in a mean-

ingful project useful to the organization. These assignments could include routine operation of laboratory equipment, scientific measurements and data reduction, instrument maintenance, computer operations or field surveys.

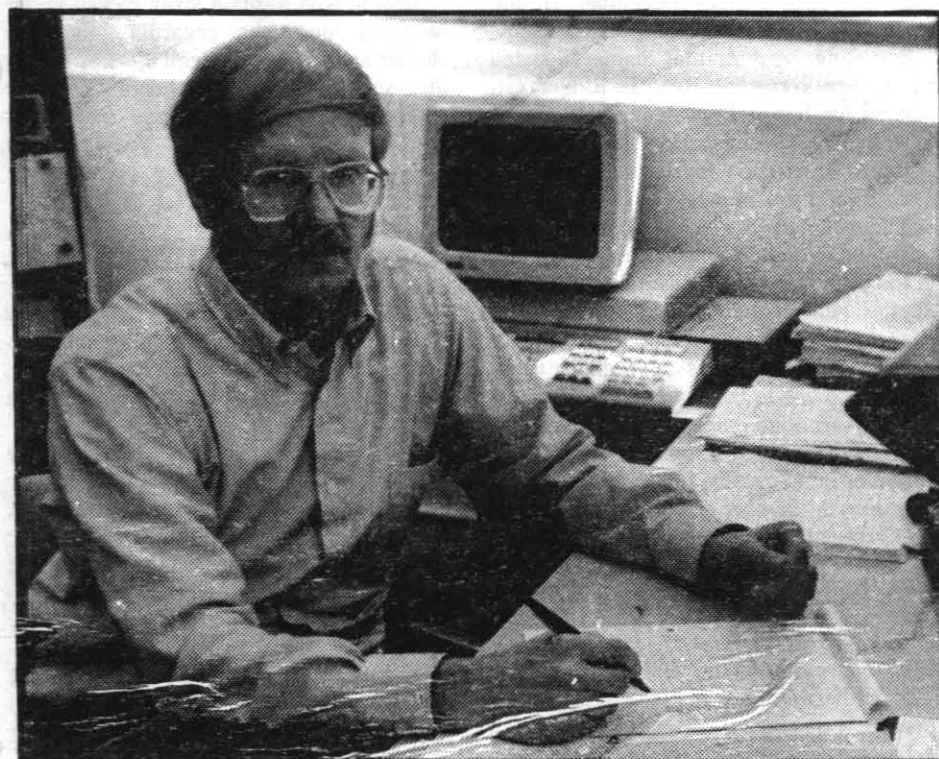
To qualify, a student must demonstrate mathematical or scientific aptitude or interest. Minority, disadvantaged and female high school students are especially encouraged to apply. Sons and daughters of DOD employees may be appointed to the program only if there are no other eligible and available candidates.

While details of the training are flexible, a typical program would be as follows:

during the first semester of the junior year, students will spend 4 to 6 hours per week in unpaid work experience; this will increase to 8 to 10 hours during the second semester of that year. The summer between junior and senior years will be spent in full or part-time paid employment at NWC.

During the senior year, students will work 10 hours per week and receive both pay and work experience credit for this time. On completing the program successfully, entrance into the Cooperative Training Program will be offered in the summer after high school graduation.

Students who are interested in the programs should notify their school's student advisor.



ARMY HONOR — A.B. Galloway, currently head of the Weapons Department's RF Missile Systems Branch, was recently presented the Special Service Award from the U.S. Army Materiel Command in recognition of his contributions to the Joint Technical Coordinating Group for Munitions Effectiveness. He served as chairman of the steering committee for the Joint Munitions Effectiveness (JEM) Manual for Air-to-Surface. He is now chairing the JEM Anti-Air Steering Committee and is credited with instilling a sense of urgency and responsibility to working-level managers to strive to improve this program.



China Lake Police Reports

A 22-year-old resident of a home on McIntire severely injured the thumb and a couple of fingers of his left hand when a firecracker that he was making exploded prematurely. During a follow-on investigation, police discovered homemade explosives of an unknown type and an assorted amount of hazardous chemicals. An EOD team removed the explosives and chemicals.

A 15-year-old girl was arrested at Murray Junior High School when she was found to be in possession of a controlled substance.

A Kraco stereo cassette player was stolen from the NEX automotive center.

A pair of prescription glasses found in the Personnel Department Building during the preceding week can be claimed at the China Lake police station.

School authorities at Richmond School reported a case of child abuse to the China Lake police. Since both parents live and work in Ridgecrest, China Lake police referred the case to Ridgecrest Child Protection services.

A traveler coming back Highway 395 on official travel filed a counter report with China Lake police, stating that he had been involved in a traffic collision at an intersection in Adelanto.

When police stopped a vehicle for running a stop sign at the intersection of Ward and Knox, they discovered the driver was unlicensed. The driver was cited for that as well as the stop sign violation.

A traffic collision occurred at the intersection of Inyokern Road and China Lake Boulevard when one vehicle stopped for traffic and the other didn't.

Unknown persons removed two circuit boards from Warehouse 20. Value of the boards makes this a grand theft.

Personnel of the Training Center are asking that any Codes that borrowed furniture from Warehouse 1063 during the past couple of months please contact the Training Center. The furniture in that warehouse belongs to the Training Center and had been stored there while the Code 094 building was being renovated.

Tax treatment varies for veterans benefits

The majority of veterans' benefits administered by the Veterans Administration are not listed as gross income, including education, training or subsistence allowances.

Disability compensation and pension payments for disabilities; grants for homes designed for wheelchair living; and grants for motor vehicles for veterans who have lost their sight or the use of their limbs are not included in gross income and are not taxable.

Also not taxable are pensions paid either to veterans or their families and veteran's insurance proceeds and dividends paid either to the veterans or their beneficiaries,

including the proceeds of a veteran's endowment policy paid before death.

Surviving beneficiaries of armed forces personnel who died on active duty do not have to pay tax on payments, equalling six months' pay, made by the U.S. Benefits under Servicemen's Group Life Insurance. A U.S. military or civilian employee's

federal income tax liability is forgiven if the decedent was a U.S. military or civilian employee when death occurred, and received wounds or injuries while involved in a terrorist or military action outside the United States.

This forgiveness rule applies to the income tax liability for the year death occur-

red including any prior tax year beginning with the year before the wounds or injuries were incurred.

However, interest on dividends left on deposit with the Veterans Administration is taxable. This is the amount shown on a statement provided by the Veterans Administration. In order to circumvent this tax, a veteran can use the accumulated dividends to buy additional paid-up National Service Life Insurance, thus making the dividends nontaxable.

Also included in taxable income are Veterans Administration payments to hospital patients and resident veterans for their services under the Veterans Administration's therapeutic or rehabilitative program.



Military News

S.A.M.E. meeting Tuesday

Capt. William J. O'Donnell will be the featured speaker at Tuesday's luncheon meeting of the China Lake Post of the Society of American Military Engineers.

He will discuss Navy hospital construction. Capt. O'Donnell was the 1984 Moreell Award winner for his management of the construction of the Navy's San Diego hospital complex. He is Officer in Charge of Construction, Naval Facilities Engineering Command Contracts, Naval Medical Command Southwest Region, San Diego.

The meeting will begin at 11:30 a.m. at the Commissioned Officers' Mess. Lunch will be a choice of chef salad or sirloin tips with noodles. Coffee or tea and the gratuity are included in the \$5 charge for either.

Anyone planning to attend and all members, whether or not they plan to attend, are asked to telephone LCdr. Jim Bullock, phone 3411, ext. 449, by close of business today.



SKYWARRIOR FLIGHT — The Sierra Nevada crest looms in the background as NWC's A-3 Skywarrior flies a recent mission near China Lake. The A-3 has been modified from its original role as a carrier-based bomber to that of a unique test-bed for project work at the Naval Weapons Center.

Excessive drinking ends many military career hopes

Military people know the effects of excessive alcohol consumption. If written up under article 15 for drunken driving, excessive pain and suffering due to accidents while under the influence, and even promising military careers go down the drain because of "the bottle."

In addition to all of that headache, there is the physical side to alcohol abuse. Cirrhosis of the liver is just one potentially deadly side effect of excessive alcohol abuse.

At just between three and four pounds, the liver is one of the body's most efficient and hardest working organs. But, it too, has limits.

The liver is important because it clears fat-soluble toxins from the body, much like the kidneys clear water-soluble toxins. It produces bile, the vehicle used for getting rid of waste. The liver regulates energy by synthesizing and metabolizing sugars and proteins in the blood.

But as important and efficient as the liver is, it's not a very good drinker. Just one cocktail can transiently increase the amount of fat in the liver. With continued alcohol abuse, liver cells are irreversibly injured, die and become replaced by scar tissue. This leads to cirrhosis of the liver, an affliction that will develop in 15-20 percent of heavy drinkers.

Moderate drinkers can also get cirrhosis. Maj. (Dr.) Anna Mae Diehl, assistant professor of medicine at the Uniformed Services University of the Health Sciences, said the nation's only military medical school, said that alcohol is the main cause of liver injury in alcohol abusers, but not the only contributing factor. "The genetic makeup of the person, inadequate diets, coincident

viral infection or drug-induced injury can contribute to cirrhosis," she said.

Once cirrhosis has developed, the liver has fewer functional liver cells than normal and the normal architecture of the liver has been disrupted by the regenerating liver cells and by the deposition of scar tissue. The loss of functional liver tissue and architectural distortion cause the symptoms and signs of advanced liver disease.

Diehl pointed out that the cirrhosis is difficult to detect in its early stages because the liver is so efficient. "The majority of the liver can be damaged and it will still function normally," she said. "However, at some point, a critical amount of liver is lost and symptoms become evident."

With diminished liver function, bilirubin, the main pigment in bile, can no longer be cleared from the blood and begins to stain the skin and the eyes yellow. The stools become white and the urine the color of iced-tea. Liver regulation of body energy falters, and the blood sugar can fall to dangerously low levels. Patients with such advanced liver disease are frequently fatigued and wasted in appearance. There is decreased liver synthesis of the proteins that permit the blood to clot, and excessive bleeding can become a problem.

The liver is also responsible for breaking down the female sex hormones found in all men. When the liver is not functioning properly, male breasts enlarge, the testicles shrink, and impotence develops.

The increased scar tissue in the cirrhotic liver prevents easy egress of the blood that normally drains through the liver. The liver begins to act like a dam, and blood begins to back up in the vessels draining the abdominal organs. These overloaded veins

occasionally rupture resulting in massive internal bleeding, often accompanied by vomiting of blood. Such bleeding may be fatal.

DOD spending cuts loom

The Gramm-Rudman Balanced Budget Law could force cuts of \$65 to 90 billion in defense spending authority in FY 1987.

The budget-balancing act, named after Sens. Phil Gramm (R-Texas) and Warren Rudman (R-N.H.), may dramatically reverse the President's military build-up and lead to the greatest defense cutback in peacetime history, according to Congressional leaders.

The Navy, like the rest of the Federal Government, is concerned. But as Chief of Naval Operations Adm. James D. Watkins said in an interview Jan. 2, "It's really too early to get overly apprehensive and concerned about it." The admiral discussed the budget law and how it would affect the Navy.

"First of all, there are questions on the constitutionality of the bill and whether or not you can set up an automatic regime like this," he said. "It's a very difficult bill to get our hands around. When you get inside the implementation of Gramm-Rudman, serious questions are raised."

The admiral went on to say that the military budgeting process as a whole is quite unique because it includes dollars to be spent over five years instead of one. "So if you tell me to take \$30 million out of the carrier construction program, for example, I will have to take out the whole carrier," he said.

Fortunately, some of the injuries to the liver are reversible if people stop drinking. The degree to which you recover is determined by what point you stop abusing the liver, said Diehl.

CHAMPUS issue discussion set at FRA meeting

What's probably going to affect the fleet more directly is how Gramm-Rudman will affect this year's pay raise.

"We don't know yet. There have been statements made about protecting the pay and benefit aspects of the people programs in the military. We'll know more as the final budget preparation stages finish within the next few weeks," Watkins said.

Transition from CHAMPUS to the Medicare program and other issues will be discussed by John Powers, field representative of the Social Security Administration in Ridgecrest, at Monday evening's meeting of Branch 95, Fleet Reserve Association.

The meeting will begin at 7:30 p.m. at the Chief Petty Officers' Mess.

Also on the agenda will be an update on the FRA's Americanism essay contest, a report on the regional mid-year workshop held this weekend, and plans for a 40th anniversary party in March commemorating chartering of the branch.

REAL-TIME STRUCTURED DESIGN

24-28 February, Monday-Friday, 0800-1600, place to be announced. By: Larry Peters, Software Consultants International, Ltd.

Intended Audience: Software designers, programmers, and technical managers involved in the development of interactive, real-time systems.

Scope: This class incorporates what has long been considered standard design practice in other fields into the specialized requirements of software systems. It includes the only set of software design quality criteria that are now available. The use of this method, as taught in this class, enables software designers to produce quality designs with significant time savings both in development and maintenance. You will learn to develop software designs that are compatible with the concepts of structure design, support the implementation effort, and conform to quality criteria.

Deadline: 7 February.

OPTICAL FIBER COMMUNICATION SYSTEMS

3-5 March, 0800-1600, Training Center. By: Dr. Arthur Einhorn, Consultant.

Scope: Presents a comprehensive description of the technology and applications of optical fiber communication systems. Introduces the fundamentals of optical communications and then follows through with the application of existing and future devices and systems. Topics include

- The advantages of optical communications and some applications.
- Communication theory concepts, including link budget, bit error rate, and signal-to-noise ratio.
- The technology of source modulation, detectors, and optical fibers, relating very closely with how and why they are applied and what can be expected in the future.
- How devices are integrated to form networks (the method of multiplexing several channels onto a single fiber).
- The specific applications, including methods and performance.
- Test methods and equipment that are used to verify performance and characteristics at the system and component levels.

Deadline: 10 February.

CONTEMPORARY NAVY WRITING

25 and 26 February, 0800-1600, location to be announced. By: Casey Reynolds.

Scope: The revised *Correspondence Manual* (SECNAVINST 5216.5C) represents a major shift in Navy writing philosophy. Bureaucratic gobbledegook is out. Letters and reports written in clear, understandable English are in. Focusing on Chapter 1, Naval Writing Standards, this workshop introduces you to a variety of techniques for mastering the compact, active writing style of today's Navy. You will learn to trim the fat from sentences and paragraphs. You will learn to choose precise, expressive words, to organize with logic and persuasion, and to effectively "talk on paper" in the language of intelligent conversation.

Note: This workshop reinforces and supplements three other writing classes: "Effective Writing Skills," "Technical Writing Skills," and "Editing/Rewriting Skills." If you have taken one or more of these workshops, "Navy Writing" will reinforce the earlier training and place it in line with official Navy policy.

Deadline: 11 February.

ASSERTION TRAINING

18-20 March, Tuesday-Thursday, 0800-1700, Cerro Coso City Center, Room 102. By: D. Perry.

Scope: Training in positive communication skills with emphasis on assertive behavior that allows you to respect your own rights, and at the same time respect the rights of others. Topics include myths that block assertiveness; methods of communication; making agreements; constructive use of energy; protective techniques; and definitions of passive, aggressive, and assertive behavior.

Deadline: 25 February.

Utilization of Asphalt Emulsions in Construction & Maintenance March 4, 7:45-4:00, location to be announced. By: The Asphalt Institute.

Scope: This course is designed for personnel responsible for design, construction and maintenance involving asphalt emulsions. Topics include chemistry and manufacture of asphalt emulsions, storing, handling, sampling and testing, selecting the right type of emulsion, seal coating (chip, sand and slurry), stabilizations and mixed-in-place, plant mix (hot and cold) recycling with asphalt emulsions, and miscellaneous asphalt emulsion applications. This course will be a classroom lecture.

Deadline: February 14.

TECHNICAL AND REPORT WRITING

27 and 28 February, 0800-1600, location to be announced. By: Casey Reynolds.

Intended Audience: People who write reports, instructions, or technical material of any kind.

Scope: This workshop will help the technical writer express complete ideas in clear, understandable form. It will help the writer learn to organize ideas logically, choose precise and expressive words, devise coherent sentences and paragraphs, and present a finished product that is clear, concise, and readable. Special attention is given to the writing of instructional material and several kinds of reports.

Deadline: 13 February.

TECHNIQUES OF EFFECTIVE LISTENING AND MEMORY IMPROVEMENT

14 March, Friday, 0800-1600, Training Center. By: Bert Barer.

Scope: Provides all levels of personnel with the skills and principles of effective listening and memory improvement. The workshop examines how we retain and understand information by our ability to listen actively. Emphasis is placed on how effective listening influences job productivity of management and employees. Topics include blocking out competing messages; concentrating on messages being sent, face-to-face or by phone; transmitting effective verbal and nonverbal feedback to all levels of the organization, in person or by phone; overcoming emotional barriers to listening and memory; remembering short and long lists of data in short and long term; improving your ability to remember names of people, ideas, objects, and dates; and overcoming absentmindedness.

Deadline: 24 February.

HOW TO LIVE WITH THE SYSTEM (Legal and Regulatory)

10-14 March, 0800-1130, Training Center. By: Jim Irvine, Mechanical Engineer, Code 36602.

Intended Audience: DP-3 scientists and engineers who are current or potential program managers, branch heads, division heads, DA-3/DP-3 heads of staff, DA2/3 administrative officers.

Scope: Background knowledge in the principles of administrative law that affect the performance of official duties of NWC personnel; the operation of regulation systems with special emphasis on the DOD and Navy regulation system; the Administrative Procedures Act; the legal requirements affecting the performance of official duties by members of Civil Service; and an overview of the standards for judicial review of administrative actions. Topics include how to get information from the DOD and Navy regulation system (where to go to find things), what the words in a regulation "really" mean, how to keep yourself and the government out of trouble (the kinds of things the government gets sued for and why).

Note: Selected students will be surveyed before class on their areas of particular interest to target the course content to the audience. The class is limited to 15 students.

Deadline: 14 February.

Undergraduate long-term training applications are now available

Undergraduate Long-Term Training Opportunity - Long-term training refers to the off-the-job training to which an employee is assigned on a fulltime basis and which consists of more than 120 consecutive working days. Such training may be accomplished in either government or non-government facilities.

The trainee receives full salary, tuition, shipment of household goods to the school site and back, and travel for the trainee and dependents to the school site and back. A three-for-one training agreement will be required from each successful applicant.

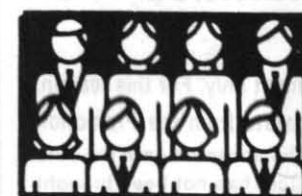
Eligibility to apply for undergraduate training includes all of the following: NWC employee for three years by September 1986; must be within two years maximum of completing desired undergraduate program, in accordance with CPI 410.10 and NWC Instruction 12410.5L of 30 Sep. 82.

At the undergraduate level there is a continuing need in the following area: Computer Science (in a specialization other

than that offered at NWC); Electrical Engineering; Acquisition/Contracting; Financial Analysis/Cost Accounting with A.D.P. background; Audio Visual Production; Graphic Arts Design; Management Information Systems; Occupational and Safety Specialists.

Eligible applicants will be ranked on the following relevant criteria: grade point average in previous college courses; past self-development efforts; plans for utilization of requested training. As identified by LTT Committee, the most highly qualified applicants will be selected according to the Long-Term Training Handbook (NWC IDP 3511 of May 83).

In support of affirmative action initiatives, additional billets have been added to the program this year. Applications can be obtained from Nancy Saxton, Code 094. Completed applications should be returned to Nancy Saxton or Carol Corlett of the Personnel Department, Code 094, no later than 4:30 p.m. of Feb. 28, 1986.



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. 09-001, Management Analyst, DA-343-2, Code 0825 - Position is located in the Central Staff, Management Division, Plans and Programs Branch. The branch programs include all Navy Manpower programs such as NAVMEPS, CA, ER, Internal Controls and SHORSTAMPS; performs internal organizational and efficiency studies and reviews for NWC functions; provides advice and consultation on impact, implementation and proposed policies impacting manpower programs. Abilities: to communicate effectively with individuals at all organizational levels and on off-Center both orally and in writing; to lead and coordinate complex study efforts. Knowledge: of Navy Manpower programs, NWC financial management systems; of NWC planning systems; of NWC technical program. Promotion potential to DP-3, but not guaranteed.

No. 09-070, Employee Relations Clerk, GS-203-5. This position is located in the Employee Management Relations Division of the Personnel Department. The incumbent is the Center's Workers' Compensation Program coordinator and as such is responsible for processing compensation claims and coordinating those claims with the Department of Labor, Office of Workers' Compensation. Additionally, the incumbent assists the Specialist responsible for the Center's Employee Assistance Program. Elements: Knowledge of the Workers' Compensation Program processes and procedures. Ability to plan, organize and accomplish work independently; deal effectively with employees and their work related problems. Promotion potential to GS-6.

No. 24-006, Security Clerk, GS-303-4, Code 24311 - This position is located in the Physical Security Branch of the Security Division, Safety and Security Department.

Manufactures badges/passes for access to NAVWPNCEN by civilians, military member, contractors, and dependents. Maintains all records and files and prepares input for computerized badge listing. Must be able to assist with training of new employees. Incumbent required to greet customers in tactful, diplomatic, and courteous manner. Elements: Knowledge of NAVWPNCEN badge/pass and appropriate regulations, instructions, and directives relating to their control and issue. Knowledge of OPNAV, SECNAV and NAVWPNCEN instructions relating to personnel security. Promotional potential to GS-4.

No. 24-007, Clerk-Typist, GS-322-3/4, Code 2432 - This position is located in the Personnel Security Section of the Information Security Branch. Incumbent performs clerical duties which include processing employee security clearances, fingerprinting, typing clearance letters, and messages, originating foreign travel messages, maintaining logs, filing and mailing. Position provides support in personnel security actions. Elements: Ability to acquire knowledge of regulations and directives relating to personnel clearances, message processing and foreign travel requirements. Ability to learn fingerprinting techniques. Ability to effectively interface and communicate orally and in writing. Promotion potential to the GS-4 level.

No. 26-001, Environmental Health Technician, DT-698-2, PAC No. 8426037, Code 2692 - This position is located in the Environmental Branch, Engineering Division, Public Works Department. The incumbent is responsible for field implementation of the hazardous waste program. Job Relevant Criteria: Ability to segregate and handle all hazardous wastes; ability to conduct field surveys, inspections, and im-

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Naval Weapons Center, China Lake, California 93555 6001

plementation measures to ensure management compliance with NAVWPNCENINST 6240.6; ability to directly oversee pest management practices of the Center's pest control contractor; ability to directly oversee hazardous waste disposal operations carried out by the Center's hazardous waste disposal contractor; ability to implement the operations plan for the Center's Hazardous Waste Storage and Transfer Facility as required by State permit; ability to effectively communicate both orally and in writing. Promotion potential to DT-3, however promotion is not guaranteed.

No. 31-007, Computer Scientist, DP-1550-1/2/3, Code 3159 - This position is located in the newly established Sensor Systems Integration Branch, Targeting Division, Aircraft Weapons Integration Department. The incumbent will provide software engineering for airborne sensor systems (IR, Laser or Radar). Responsibilities include developing the capability to support computer programs resident in a major sensor system. Elements: Knowledge of software development, validation and verification. Knowledge of computer systems and architecture. Knowledge of microprocessor architecture. Ability to code in major high level languages plus assembly language. Promotion potential to DP-3.

No. 31-009, Electronics Technician, DT-856-3, Code 3142 - This position is located in the Avionics Branch of the System Integration and Evaluation Division, Aircraft Weapons Integration Department. Responsibilities include technical leadership of the F/A-18 Flight Incident and Aircraft Monitoring System (FIRAMS) integration and test effort monitoring systems. An understanding of the hardware and software interfaces must be gained for the development and execution of a system test plan. Other responsibilities are to review contractor documentation to ensure conformity with MIL-STD-1679. Elements: Knowledge of Avionics Subsystems/Systems integration. Ability to effectively communicate across organizational lines. Knowledge of MIL-STD-1553 Muxbus. Full performance level DT-3.

No. 33-005, Security Clerk, GS-303-4/5, Code 3302 - This position is located in the Fuze and Sensors Department Staff Office. The incumbent will perform the following duties: (1) custody control point for the department; (2) assistant security coordinator; (3) focal point for personnel actions and status; (4) receives and processes incentive awards and serves as secretary to Department Awards Panel; (5) performs other administrative duties as required. Knowledge: of security procedures and control; personnel procedures. Abilities: to plan, organize and accomplish work independently; ability to perform a variety of clerical/staff functions. If filled at GS-4 or GS-5 level, promotion potential is GS-6, but not guaranteed.

No. 36-112, Supervisory Interdisciplinary (General/Electrical/Mechanical/Chemical Engineer/Physicist/Program Manager), DP-801-850-893-1310-340-3/4, Code 3606 - Incumbent manages various types of contracts and provides technical direction to extensive contracts led by NAVAIR-SYSCOM, involving both Navy and foreign buyers. The incumbent will supervise a small group of project engineers and clerical people. Assumes the duties of the Program Manager, as assigned, in his absence. Elements: Abilities: to provide technical and managerial direction and coordination of a major complex weapon system; to communicate effectively orally; to communicate in writing; to perform supervisory duties as required by the Demonstration Project. Knowledge: of naval procurement and fund differences; of diverse fields such as electronics, mechanical engineering, software, explosives, aerodynamics, propulsion,

documentation, product assurance, safety, and radar; of the design and operation of RF seekers, guidance systems, computers, ordnance packages, control systems, and turbine engines; and a willingness to support Federal EEO policies and goals. Promotion potential to the DP-4. This is a readvertisement of ad 36-351; previous applicants need not apply.

No. 33-007, Electronics Technician, DT-856-2/3, Quality Assurance Specialist (Electronics), DS-1910-2/3, Code 3337 - This position is Associated Fuze Manager for RAM proximity fuze tasks. The incumbent will be responsible for providing the lead in developing, awarding and monitoring various RAM proximity fuze contracts, and for providing support in the transition phase of the Mk 20 Mod 0 program from development to production. Knowledge: of contracting procedures and types of contracts; of program development phases and NWC requirements for development of programs; of electronics and general engineering. Abilities: to communicate effectively both verbally and in writing; to direct efforts of co-workers. Promotion potential to DT-3/DS-3, but not guaranteed.

No. 36-113, Clerk-Typist, GS-322-4, Code 364 - This position provides clerical support to the Engineering Prototype Division, Engineering Department. Duties include typing letters, memoranda, reports, and forms from rough drafts, notes or oral instructions; reviewing correspondence for correct grammar, punctuation, spelling, and proper format; receiving and directing customers/visitors and phone calls; receiving and distributing incoming mail; maintaining files, preparing and handling timecards, travel orders and itineraries; and requisitioning supplies. Elements: Skill of a qualified typist. Knowledge of: grammar, punctuation, spelling and proper format; filing systems and files management; ability to receive and refer phone calls and visitors; personnel forms, travel orders and itineraries, and requisition supplies.

No. 36-352, Supervisory General Engineer, DP-801-3/4, Code 3642 - This position is head, Production Engineering Branch. The incumbent is responsible for providing technical and supervisory leadership to a group of engineers and technicians and reports to the division head. In addition, the incumbent will interface with all levels of NWC management, program offices, SYSCOM sponsors, other government agencies and services, and contractors. Elements: Ability to work across organizational lines, higher levels of management, and contractor personnel; ability to communicate effectively orally; ability to communicate in writing. Knowledge: of production engineering methods, elements of productivity, requirements of a technical data package, and the acquisition system; a willingness to support EEO goals and policies. If position is filled at the DP-3 level, promotion potential is to DP-4, but not guaranteed. Previous applicants need not reapply.

No. 31-008, Interdisciplinary General, Electrical, Aerospace Engineer, Mathematician, Physicist, DP-801/855/861/1520/1310-3, Code 3159 (2 vacancies) - This position is located in the newly established Sensor Systems Integration Branch, Targeting Division, Weapons Systems Integration Department. The incumbent will perform technical management and systems engineering for airborne sensor system (IR, laser, or radar). Responsibilities also include the development and exploitation of targeting technology to improve sensor capabilities and performance. Elements: Knowledge of sensor technology. Knowledge of avionics engineering development/acquisition, systems integration. Knowledge of computer program development, validation and verification. Ability to interface effectively with project management, NAVAIR and

contractor personnel. Promotion potential DP-3.

No. 61-004, Equipment Specialist, DS-1670-1, Code 6143 — This position is located in the Air-Launched Ordnance Support Branch, Ordnance Division, Aircraft Department. The incumbent will perform duties that include weapons assembly, functional checks/tests as required, and weapon modification. Incumbent prepares operating instructions for fleet. **Knowledges:** of weapons assembly procedures including components that make up a complete weapon; safety practices and procedures of ordnance handling. **Abilities:** to interpret technical instructions; to communicate effectively orally and in writing. Promotion potential to DS-3. Previous applicants need not reapply.

No. 61-005, Multidisciplinary (General Engineer/Engineering Technician), DP-801-3, DP-802-3, Code 6101B, Full-Scale Aerial Targets (FSAT) Program Office, Aircraft Department — The incumbent will be responsible for the completion of development and transition to production of the QF-4 Aircraft Target and the system drone-peculiar equipment. The incumbent will also manage the production effort of the drone system components. Duties encompass all aspects of a program office including planning, budgeting, organizing, scheduling, problem resolution, configuration management, quality assurance, reliability, safety, procurement and logistic management. **Abilities:** to make clear oral and written presentations; to plan, organize and coordinate work in situations when numerous diverse demands are involved; ability to expedite work when numerous "short-range" tasks are involved; and to

coordinate the efforts of many off-Center organizations and to work effectively with higher headquarters. **Knowledge:** of aircraft systems, aircraft modifications and quality control is highly desired.

No. 62-009, Ordnance Equipment Mechanic (Helper), WG-6641-5, Code 6211 — Supplemental required. This position is located in the Mechanical/Ordnance Support Section of the Ballistics Test Branch within the Range Department. The incumbent's responsibilities are to receive, set-up, fire, and store ordnance materials; assist with mechanical modifications, assemblies and installations in support of ballistics firing operations and tests; handle all aspects of ordnance involvement relating to test activities. Applicants will be rated on: reliability and dependability, safety and dexterity. **Abilities:** to handle weights and loads; to follow directions in a shop. Promotion potential to WG-10.

No. 64-005, Mechanical Engineering Technician, DT-902-2/3, Code 6424 — (Multiple Vacancies) Incumbent has the responsibility for the physical packaging of telemetry systems within the volume constraints of the weapon system under test. Close coordination is required between the telemetry system designers and fabricators and the weapon systems personnel to insure a satisfactory physical interface. Incumbent also has the responsibility for documenting the physical configuration and coordinating the fabrication of the parts. **Knowledges:** of geometric dimensioning and tolerancing; of machine shop practices. **Ability:** to coordinate the work of a variety of people. Previous applicants need not reapply.

Secretarial opportunities

This column is used to announce secretarial 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 secretarial 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 1/2/3/5/8; 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. 00-001, Secretary (Typing), GS-318-5/6, Code 023 - Provides secretarial support to the office of Counsel. Promotion potential to GS-6, but not guaranteed.

No. 31-110, Secretary (Typing), GS-318-4/5, Code 3142 - Provides secretarial support to the Avionics Integration Branch

Promotion potential to GS-5.

No. 35-015, Secretary (Typing), GS-318-5/6, Code 352 - Provides secretarial support to the RF Development Division located in Area R. Xerox 860 or Xerox STAR experience desired. Promotion potential to GS-6 however it is not guaranteed.

Mailhandlers Plan rep here

Nate Johnson, a representative with the Mailhandlers benefits plan, will be at NWC on Friday, February 14, to meet with interested employees who have the Mailhandlers plan, or any that may be considering changing during the next Health Insurance Open Season.

Johnson will be available to meet with NWC employees to review health care and

to address the 1986 changes to the Mailhandlers plan. No appointments are necessary.

Interested employees may meet with Johnson between 9:30 a.m. and 4:30 p.m. on February 14, in the Conference Room of the Personnel Building, 505 Blandly. For further information, please contact Cheri R. Neil or Sandra Torson on NWC ext. 2018.

CSN advisor due Feb. 21

Dr. Jagdish Prabhakar of Cal-State University Northridge will be on Center Feb. 21 to advise current and prospective students in the external degree programs offered by the school.

Cal-State University Northridge has ex-

ternal degree programs in electrical engineering and mechanical engineering at NWC which lead to a master's degree. Those who wish to see Dr. Prabhakar are asked to make an appointment by telephoning Kelly Newton at NWC, ext. 2648.

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. 14-001R, Interdisciplinary (Electronics/Electrical Engineer, Physicist), DP-855/850/1310-2/3, Code 1422 - Prime function of this position as a Network Project Engineer will be to analyze user requirements, plan, design, specify and integrate baseband and broadband Local Area Networks (LANs) as part of the Integrated Communications System. The IEEE 802 series protocols will be used. Incumbent will also analyze technology trends for LAN systems as it relates to existing and planned corporate NWC networks. Extensive training will be provided for specialized network design skills. To apply, submit an updated SF-171 to Gordon Doyle (Code 1422).

No. 14-002R, Interdisciplinary (Electronics/Electrical Engineer, Physicist), DP-855/850/1310-2/3, Code 1421 - Incumbent will be responsible for the specification, design, installation and testing of the NWC Integrated Communications System (ICS). As the System Engineer for the ICS, the incumbent will analyze existing and planned networks at NWC, including the Fiber Optic Trunk System, Digital CPBX, Local Area Networks, etc., and generate configurations and alternatives for current and future NWC requirements. A technical staff in support of the System Engineer will include expertise in fiber optics, transmission equipment, broadband and baseband LANs, network management, facilities and security. To apply, send an updated SF-171 to Clint Seal (Code 1421), NWC ext. 1303.

No. 35-016R, Interdisciplinary (Computer Scientist, Electronics/General Engineer, Physicist, Mathematician), DP-1550/855/801/1310/1520-1/2/3, Code 3515 - The Embedded Tactical Software Branch provides software for the HARM Weapon System, and engineering support for the Low Cost Seeker Program. Incumbent will participate as a software engineer on the HARM missile Operational Flight Program (OFF). Duties include analysis, design, and implementation of real time avionics software and software tools, simulation testing, tracking of software discrepancy reports, verification and validation of the missile OFF, and missile integration support for other programs. Experience with assembly language, a high order language, VAX/VMS, structured analysis and design techniques, and software engineering principles are desired. To apply, send an updated SF-171 to Bill Stratton (Code 3515), NWC ext. 2951.

No. 33-006, Interdisciplinary (General Engineer/Electronics Engineer/Industrial Engineer/Physicist), DP-801/855/896/1310-2/3, Code 3337 - This position is Associated Fuze Manager for RAM proximity fuze tasks. The incumbent will be responsible for providing the lead in developing, awarding and monitoring various RAM proximity fuze contracts, and for providing support in the transition phase of the MK 20 Mod 0 program from development to production. Promotion potential to DP-3, but not guaranteed. Please send updated SF-171 to Jerry Mumford, Code 33306, NWC ext. 1315.

No. 33-008, Electronics Engineer, DP-1310-2/3, Code 3336 - This position is located in the Phoenix Fuze Systems Branch, Fuze Systems Division, Fuze and Sensors Department. Incumbent will be responsible for interfacing with NAVAIRSYSCOM, FLTAC, PACMISTESTCEN, Motorola, and Hughes Aircraft Company. Promotion potential to DP-3, but not guaranteed. Please send updated SF-171 to Jerry Mumford, Code 33306, NWC ext. 1315.

No. 33-009, Interdisciplinary (Electronics Engineer/Physicist), DP-855/1310-3, Code 3337 - The incumbent will serve as the team leader in design, development and testing of the EX-412 passive IR target detector which is currently in advance development. Incumbent will be responsible for planning, performance of task, adequacy of the design, and interfacing with NAVWPNCEN and DOD sponsors. Promotion potential to DP-3. Please send updated SF-171 to Jerry Mumford, Code 33306, NWC ext. 1315.

No. 32-189, Interdisciplinary Mechanical/General Engineer, DP-830/801-3, Code 3268 (2 vacancies) - Incumbent will perform as program manager or project/development engineer for new or improved Weapons Systems. Incumbent will be responsible for conducting analyses, mechanical design, fabrication and assembly coordination, environmental/safety and performance testing, data acquisition and reporting of the new or improved systems to demonstrate feasibility and/or qualification thereof. The tasks associated with the position will be in the area of conventional ordnance covering one or more of the following technologies: Improved MK80 Series Bombs, In-Service Weapon Systems Cookoff Improvement, Advanced Penetrator Warhead and Inertially Aided Munitions. Please send current SF-171 to R. J. DeMarco, Code 3268, ext. 2188. Promotion potential to DP-3.

Upward Mobility Program planned

Upward Mobility is an Affirmative Action Program designed to help federal employees who are GS-9, equivalent, or lower grades who are dead-ended as far as promotion potential or who are under-utilized in their current series with regard to their individual potential.

The Upward Mobility Program is currently being re-evaluated and re-structured at all Navy activities, which includes the Naval Weapons Center. It is anticipated that the new Upward Mobility program will be "up and running" at NWC by Spring of 1986. Its advent will be much heralded with all-hands notices as well as articles in the Rocketeer and the Blue Sheet.

If you are interested in Upward Mobility, there are several actions you can take pending the start of the new program. For example:

(1) Start an evaluation of yourself, your goals (both personal and professional) and your career.

(2) Get career counseling. Personnel Management Advisors (Code 096/097), Employee Development Specialists (Code 094), your code supervisors, as well as college counselors (CSU, CCCC) are all valuable resources in providing information on your career options in federal government and Naval Weapons Center.

(3) Evaluate and re-write your Form 171. Take a generous amount of time to accomplish this. This is your marketing tool to sell yourself to a selecting official.

If you would like further information, the training division (Code 094) and the Upward Mobility office (Code 093) can provide an academic planning booklet to help keep you on track.

Recent Additions

Code	Name	Title
3335	Swanson, Raymond S.	Electronics Engr.
3356	Leblanc, James S.	Electronics Tech.
3411	LeVeque, Patricia S.	Clerk-typist
3651	Czebatol, Richard A.	Engrg. Tech.
3682	Bjork, Curtis J.	Electronics Engr.
3911	Belt, David H.	Electronics Engr.
3921	Brewton, David W.	Electronics Tech.
6231	Lilly, Phillip J.	Engrg. Tech.

Recent Separations

081	Duckworth, Lyndan R.	Operations Research An.
084	Devous, David E.	Computer Systems Analy.
1413	Likoudis, Persefoni I.	Computer Scientist
2637	Wilcher, Ginny L.	Engrg. Tech.
314	Hire, Lisa M.	Clerk-typist
335	Piper, Karen L.	Clerk-typist
3502	Fry, Stephen P.	Clerk
3554	Vanmilligan, James A.	Mathematician
3621	Maxwell, Laurel A.	Engrg. Tech.
3642	Michau, Laverne L.	Mechanical Engrg. Tech.
3665	Markarian, Jeffery P.	Clerk
3912	Sheffield, Rhonda A.	Secretary (Typing)
6122	McIntire, Rhonda L.	Clerk-typist
6423	Corlitt, Kevin S.	Computer Clerk

Training personnel suggest ways to speed registration

Before signing up for non-academic short courses, review the suggestions below to speed the registration process and to avoid potential problems.

It is always wise to discuss with your supervisor the objective for taking a class for all training to get a clear idea of what it is you expect to get out of the class.

For on center training, submit NAVWPNCEN Form 12410/73 to Code 094 via department channels by the deadline date. Be sure to complete block 16 with a statement of the intended result of the training.

After receiving confirmation, block out course dates on your calendar. If you do not receive a confirmation date within 2 days of the start date, check with your department office and Code 094.

If you are disappointed, do not just "show up." Contracts with vendors have specific limits on the number of students allowed. If you must cancel, call Code 094 immediately.

Be sure to complete your evaluation at the end of the training and turn it into Code 094.

For off-Center training, be sure that the course is not, nor will be available on Center. If it is not available, submit DD-Form 1556 to Code 094 via department channels, at a MINIMUM of 30 days in advance of the starting date. Be sure Block 4 has a clear statement of the intended result of training and attach a copy of the brochure. Registering by phone directly to the vendor is not allowed.

If money is required for the course, let Code 094 forward payment to the vendor, don't send it directly on your own.

If you must cancel, call Code 094 immediately, do not cancel directly through the vendor.

Be sure to complete your evaluation at the end of the training and turn it into Code 094.

The following chart details the proper form to be used for any type of training.

TYPE OF COURSE	12410/73 "Request for On-Center Training"	DD1556 "Request, Authorization, Agreement, Certification of Training and Reimbursement"
On-Center Short Courses*	XXXX	
Academic Classes: Cal State Northridge, Chico and Bakersfield	XXXX	
Academic Classes: Cerro Coso Community College		XXXX
Self-Study Courses: Correspondence		XXXX
Self-Study Courses: All other	XXXX	
Off-Center Courses (including off-Center academic)		XXXX
Conferences		No training enrollment form required; include registration fee on travel orders.
Tutorials (3 hours or more) in connection with conferences		XXXX

*includes Center sponsored short courses conducted at locations such as motel meeting rooms and Cerro Coso Community College



Personnel Development Opportunity

HOW TO IMPROVE YOUR MEMORY

Self-study audiotape. This is a 6-tape audio cassette series consisting of 12 study units available through the Learning Center.

Non-appropriated Funds Instrumentalities Arrivals

McCaughan, Julie A.
Toombs, Priscilla M.

Non-appropriated Funds Instrumentalities Departures

Maddox, Joyce
Lamp, Lorinda
Jones, Diane
Freeman, Elizabeth
Kapernick, Katie

QUALITY ASSURANCE

3 March, 0800-1600, Training Center. By: Dan Smith, Code 3682.

Scope: Topics include definitions, quality documents, how ASPR VII and XIV relate to quality documents, quality system management for weapons systems production programs, overall organization and organization for quality, program management, production text and inspection planning, documentation monitoring system, integrated data system, and configuration management system. Note: Technical Managers Curriculum. Deadline: 10 February.

MECHANICAL STRESS ANALYSIS

4 and 5 March, 0800-1600, Training Center. By: FLTAC, Corona, CA.

Scope: Covers those areas of mechanical design, machining, fabrication, and assembly that ensure an optimum sizing and strength of the mechanical components from the standpoint of standardization, performance, and reliability. Topics include mechanical part stress analysis; dynamic analysis; fittings, fastening, and joining; CAD/CAM; thermal analysis; derating factors and design standards; design verification; reliability prediction; and reviewing a contractor's mechanical stress analysis. Deadline: 10 February.

NAVAL CORRESPONDENCE FOR ADMINISTRATIVE AND TECHNICAL WRITERS

27 February, Thursday, 0800-1130, Training Center. By: Odessa Newman.

Scope: Provides a brief on Chapter 1 (Naval Writing Standard) of the Department of the Navy's *Correspondence Manual*. The class will help you make the transition from "governmentese" to plain English. You will learn the formats for naval letters and memorandums and their use. Please bring a *Correspondence Manual* to class. Deadline: 13 February.

SOFTWARE PROJECT MANAGEMENT

4-6 March, 0800-1600, Training Center. By: Earl Boebert, Honeywell, Inc.

Scope: This course includes software technology in computer systems; understanding the requirements phase, the design phase, the implementation phase, the integration phase; the verification process—what it is and how it is applied; documentation and configuration control; measuring progress; assessing risk; how much management is enough; status and outlook for software state of the art; and making it all work. Deadline: 14 February.

RELIABILITY AND MAINTAINABILITY (R&M)

6 and 7 March, 0800-1130, Training Center. By: Martin Koca, Code 3686.

Scope: Acquaints managers with the elements of reliability and maintainability. The latest activities by DOD, CMN, and NWC will be discussed. Topics include R&M requirements, R&M management, design criteria, design analysis, parts and materials programs, integrated test programs, failure recurrence control, and documentation review. Help in tailoring these elements to a particular contract due to program phase cost and schedule will be provided. Deadline: 14 February.