

### Breakfast with Santa scheduled twice for all local children

Children in the community will have their choice of either of two mornings for having breakfast with Santa Claus. They can pick Saturday, Dec. 14, or Saturday, Dec. 21 for the occasion.

On both days Santa will arrive at the Enlisted Mess at about 10 a.m., a half an hour after the breakfast begins at 9:30. Menu for the morning includes scrambled eggs, bacon, biscuits, sweet roll, hash browns, orange juice, coffee or milk. Tickets are \$2 for children age 11 and under, and \$2.50 for anyone over the age of 12.

Tickets can be purchased at the Information, Ticket and Tour Office (located at the corner of Lauritsen Road and Blandly Avenue) Mondays through Fridays from 9 a.m. to 5 p.m.

Tickets are limited, so early purchase is advised. A "Breakfast With Santa" button will be given with each child's ticket purchased. Parents can also purchase photos of their children posing with Santa at \$1.50 for each picture.

More information is available by telephoning NWC ext. 2010.



**GOOD CAUSE** — AME3 Kevin Silva and Robin Baxendale, a member of the NWC Wives Club, join in dishing up chili at Hangar 3 in a recent fundraiser. The NWC Wives Club is trying to raise money for a children's Christmas party to be held for NWC's military dependents. Any person or organization that would like to contribute to this good cause should telephone Wives Club president Becky Traxler at 446-7162 prior to Dec. 14. — Photo by PH2 Rick Moore

### NEX News

To help Christmas shoppers get their purchases made, the Navy Exchange retail store will remain open each Tuesday evening until 6:30. The retail store will be closed on Thanksgiving Day, however, while the Mini Mart will be open on that day between 10 a.m. and 4 p.m.

A pre-Christmas sale starts next Wednesday. For those who can't wait for such a sale, the Christmas Wish Book sale is now underway with loads of special values. (Since many shoppers view the two days after Thanksgiving as the best shopping time of the year, the NEX plans a special two-day sale at that time.)

### Rummage sale set

A huge rummage sale is being planned by ladies of the Elks Lodge for Sunday from 10 a.m. to 6 p.m. Refreshments will be available for shoppers. The sale will be held at the Elks Lodge, 201 E. Church Street, Ridgecrest.



The Commissioned Officers' Mess invites its members to Membership Night tonight for a special dinner consisting of Cornish game hen, wild rice, vegetables, salad bar, roll and butter, coffee, tea, or decaffeinated coffee. Dinner will be served from 6 to 9 with "Siva" providing entertainment from 8 to midnight. The cost for the evening will be \$3 per member and \$10 per guest.

Every Sunday the COM offers a brunch for adults at \$4.95 a plate; children 12 and under, \$2.95 a plate; and tots under 2 free of charge.

The COM also offers a Thanksgiving dinner buffet with the cost per plate being \$7.95 for adults; children under 12, \$4.95; and children under 5, \$2.95. Reservations are required along with the payment for the buffet before or on November 27. Dinner will be served in three separate shifts with the first shift beginning at 1 p.m. and continuing until 2:30; followed by a 3 to 4:30 p.m. shift; and the final shift is from 5 to 6:30 p.m.

The Chief Petty Officers' Mess is serving prime rib and Icelandic cod as their dinner special tonight, served from 6 to 9.

Come enjoy an evening in the country with "Midnight Rodeo" playing for both listening and dancing pleasure at the Enlisted Mess tonight. The menu for the evening will be surf and turf, served from 6 to 9, with music beginning at 9 p.m. at \$1 per person.

Every Wednesday starting at 8 p.m. all authorized members and their guests over 18 are invited to dance with "Upstage," featuring Steve Malan, with admission being \$1 per person.

Due to the Thanksgiving holiday, the following businesses will be closed Thursday: The CPOM, EM, ESB Barber shop, and the Auto Hobby Shop.

All local singles are invited to attend a dance sponsored by the New Singles of Ridgecrest tonight from 8 p.m. to midnight at the Eagles Lodge, 301 W. Ridgecrest Boulevard in Ridgecrest.

Music of the 1950s will be played by Dick Nuckles and the Crosscurrent Band. All those attending are encouraged to wear the appropriate dress for the 1950s. A jitterbug contest and party games will highlight the evening.

Munchies will be provided to go along with the no-host bar arrangement.

### Randsburg melodrama slated again in Feb. since Dec. sold out

Reservations are now all gone for the December performances of the comedy melodrama "Who Owns the Owl Saloon?" but the dinner theater presentation has been scheduled again for February 14 and 15.

Again, a western-style barbecue will be served before the play begins. The dinner bell will clang at 6:30 both days, and the play will follow.

Although the melodrama deals with the Owl Saloon, it will be presented at the White House Saloon in Randsburg by the Rand Mountain Players. The story deals with "true rumors" of how Fifi Du Jour and Luscious Lucille try to save themselves and Sweet Sally Devine from the evil villain Crafton Riles and the bungling of B. L. Bumble of the BLM.

Tickets are \$14.95 each, which includes dinner, the play and tax and tip. Reservations are mandatory and may be made by telephoning 374-2464. They may also be purchased at the White House Saloon on Saturdays and Sundays between 11 a.m. and 6 p.m. A number of tickets for the February production have already been sold to those who'd like to celebrate Valentine's Day in a different way.

### Rec Services Dept. will forward letters to Santa's residence

Letters to Santa Claus will be forwarded by the Youth Activities Branch of the NWC Recreational Services Department. The children sending the letters will receive personalized replies from Santa.

Letters should be brought to the Information, Ticket and Tour Office located on the southwest corner of Lauritsen Road and Blandly Avenue between 9 a.m. and 5 p.m. from Nov. 29 through December 20.

Letters to Santa can also be mailed to: Santa Claus, Commander Code 2227, China Lake, CA 93555-6001.

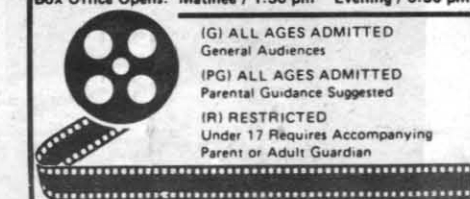
A self-addressed, stamped envelope should be included with each letter because Santa has trouble buying stamps at the North Pole.

More information can be obtained by telephoning NWC ext. 2010.

### Movies

FRIDAY, MONDAY	NOV. 22, 25
"PALE RIDER" Starring Clint Eastwood and Michael Moriarty (Western Drama, Rated R, 117 min.)	
SATURDAY, SUNDAY	NOV. 23, 24
"THE MAN WITH ONE RED SHOE" Starring Tom Hanks and Dabney Coleman (Comedy, Rated PG, 99 min.)	
WEDNESDAY	NOV. 27
"A CASE OF POSSESSION" Starring Karlene Crockett and John Walcott (Mystery, Rated PG, 80 min.)	
FRIDAY	NOV. 29
"RAMBO, FIRST BLOOD PART II" Starring Sylvester Stallone and Richard Crenna (Action-Drama, Rated R, 96 min.)	

Starting Times: Matinee / 2:00 pm Evening / 7:00 pm  
Box Office Opens: Matinee / 1:30 pm Evening / 6:30 pm



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TO: \_\_\_\_\_

the inspection. Public acceptance of the inspection program and cooperation extended to Fire Division personnel was outstanding.

The Fire Division extends its appreciation to all those who joined in this effort to make all tenants housed on the Center aware of the importance of fire prevention.

The most serious problem found during the inspections involved smoke detectors that were inoperable. All units having faulty detectors have been reported to the Housing Division for correction.

Additionally, some residents did not know that they need to test and clean their smoke detectors regularly. The following testing and cleaning guidelines are given:

1. To assure that smoke detectors are in good working order, residents must periodically perform a "smoke test" by blowing smoke into the detector. Detectors should be tested at least once a month. The "smoke test" may be performed by blowing smoke from a cigarette or a lit match into the detector.

2. Be sure that the smoke detector is unobstructed at all times. Never paint the smoke detector. To keep the smoke detector free from dust and dirt, clean it at least once each year by holding the nozzle of a vacuum cleaner to the side slot openings.

Because many residents were not at home during the Annual Housing Fire Inspection, it was not possible to check all units on Center. Anyone wishing to have the firefighters stop by their NWC residence for a courtesy fire inspection may do so by contacting the Fire Division at NWC ext. 2095 or 2402 and making an appointment.



	Max	Min	Peak Gust
Fri.	61	23	8 knots
Sat.	59	27	6 knots
Sun.	61	23	30 knots
Mon.	60	41	17 knots
Tues.	52	18	10 knots
Wed.	56	19	—
4 hours	59	27	12 knots

All measurements are made at Armitage Airfield.

## B-29 goes from China Lake boneyard to museum



**BIG GULP** — An Air Force C-5A Galaxy swallows the front half of an aging B-29 Superfortress rescued from NWC's boneyard by the Travis Air Force Base Air Museum. The B-29 will be restored to show condition by Air Force reservists and placed on display at Travis' Air Museum. — Photo by PH2 Rick Moore

With its cavernous maw wide open, an Air Force C-5A Galaxy easily swallowed an ancient B-29 Superfortress destined for Travis Air Force Base. Once a resident of China Lake's boneyard, this B-29, first flown in combat in 1944, will become a permanent display at Travis' Air Museum.

Members of the 301st Military Airlift Squadron pushed, shoved and winched most of the B-29 aboard a C-5 as part of their reserve duties. Earlier, a C-5 from the 312th Military Airlift Squadron had hauled off wings, a couple of engines and other parts of the B-29 for use when full-scale restoration efforts get underway later this year.

Capt. John Stoney, a C-5 pilot from the 312th MAS, had been in charge of efforts to dismantle the aging bomber enough to fit aboard the Galaxy. He said it was only with a great deal of help and full cooperation from Naval Weapons Center personnel that they were able to complete this task.

There was no shortage of helping hands, nor of attention to the massive C-5A Galaxy when it landed at China Lake. Crewmembers, headed by Maj. Jeffery Linder, Capt. Mark S. Baty and MSGT. James E. Franklin, loadmaster, gave quick tours of the Air Force's largest aircraft to anyone who wanted to take a closer look at the behemoth from northern California.

Capable of carrying the largest payload of any military aircraft, the C-5 had room to spare after taking on four B-29 engines, the entire fuselage, flaps, tail section and assorted ground support equipment used by USAF volunteers while taking the B-29 apart.

Loadmasters used skills honed over several years to position the huge B-29 airframe properly and make the load without a hitch. Capt. Stoney said reservists at Travis will undertake restoration as their contribution to the base's air museum.

Air Force MSGT. James Anthony, one of those volunteers who spent nearly two weeks at NWC taking apart the B-29, said they expected to have the aircraft back in one piece within a few weeks. "It won't be show condition then, but it'll be back together," he added.

SSgt. Michael O'Brien, another Air Force volunteer who made several trips to China Lake, said they had faced a real challenge in getting the B-29 ready for transportation. He noted problems with stiff winds delayed part of the operation, including the first flight of a C-5 to pick up the aircraft.

Even Capt. Baty, copilot for this final C-5A Galaxy mission, got interested in what was being done at China Lake. "My father (Continued on Page 7)

## Marine aviator flies again thanks to SEAWARS

On July 9 a Marine Corps pilot from VMA 211 at El Toro, California became the first aviator to owe his life to SEAWARS. SEAWARS is a seawater activated release system that automatically releases an aviator from the shroud lines of his parachute within two seconds after dropping into the ocean following a bailout. SEAWARS was deployed in the Fleet in mid 1984.

When the pilot ejected from his A-4M Skyhawk aircraft near San Clemente Island, he was traveling at an airspeed of 200 knots. The pitch of the aircraft was between 60 and 70 degrees nose down, with a roll rate of 360 to 540 degrees per second, and sink rate was 20,000 feet per minute.

Altitude at ejection was about 9,300 feet.

The aircraft was inverted when the pilot punched out. The seat/man separation rocket caused the seat to rotate backwards and upward, with the pilot propelled out of the ejection seat in a downward trajectory. The external pilot parachute deployment from the parachute container slowed this downward trajectory, allowing the ejection seat to collide with the pilot's RSSK-8 seat pan assembly. (This seat pan assembly contains survival gear; a lap belt holds the RSSK-8 pan assembly and pilot together.)

Fortunately, the seat pan assembly protected the pilot from injuries he might have suffered by being hit by the ejection seat.

The pilot was semiconscious throughout these events, and when he hit the water, SEAWARS automatically released him from his parachute shroud. His inflation assembly inflated automatically, supporting him until he could be rescued.

When rescuers found the pilot, they spotted his parachute about 40 feet underwater in a position that would have trapped the semiconscious aviator beneath it if he had not been released by SEAWARS.

Bruce Trenholm, from the Fleet Support Branch of the Aeronautics Department conducted an investigation of the ejection and subsequent recovery of the aviator. He says NWC personnel who worked on

SEAWARS can take pride in a life saved — their product stood the test of an actual operation.

The SEAWARS project is managed by Dan Long, Code 6403; the developing contractor is the Conox Corporation of St. Petersburg, Florida. NWC was the lead laboratory for engineering development, product acquisition and preoperational support. Currently Code 6403 is performing the same function for the Air Force's Life Support SPO at Wright-Patterson Air Force Base in their acquisition of AFSEAWARS. As the Navy's laboratory, NWC will continue to provide in-service engineering support.





## 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, LCdr., CHC, USN  
 Phone, NWC ext. 3506, 3507

## Engineers' group seeks members

China Lake Society of Flight Test Engineers wants new members. Anyone interested in this organization can attend a meeting on Thursday, Dec. 5 at 6 p.m. in

the Barefoot Bar of the Commissioned Officer's Mess. Free pizza and beer will be served.

## Smokeless tobacco also hazardous to health says CDC

In recent years, the use of smokeless tobacco in the U.S. has risen dramatically. Once restricted to a relatively small percentage of the population, smokeless tobacco now is used by about 22 million Americans, the National Center for Disease Control estimates.

Promotions for smokeless tobacco imply it is harmless. But who needs discolored teeth, bad breath and decreased senses of smell and taste? More importantly, says ACS, smokeless tobacco is habit-forming and hazardous to your health, even though it does not carry warnings on packages and ads like cigarettes.

## Christmas sale set

Unusual Christmas gifts will be for sale at the Senior Citizens' Center in Red Mountain today and tomorrow, starting at 9 a.m. each day. On sale will be jewelry and other hand made items. The benefit sale will be easy to find — the Senior Citizens' Center is located right on Highway 395 in Red Mountain.

## Handle food carefully to avoid any food poisoning

A table loaded with platters of good food is a traditional holiday picture that will be repeated in millions of American homes this holiday season. But the picture could change to one that's not so festive, if food should become contaminated and cause illness.

Leon M. Hebertson, M.D., Kern County Director of Public Health Services, cautions holiday dishes such as sliced meats, poultry, stuffing, potato salad, cream pies and egg nog are foods associated with most cases of food poisoning. Bacteria thrive in these foods and illness usually occurs because some basic food handling principle has been forgotten.

Accidental contamination of food should be avoided by cleaning all counters, cutting surfaces and utensils thoroughly before and after using them. Hands should be washed with soap and water before handling food and when moving from preparation of one food to another.

Germs that cause food poisoning seldom change the taste, odor or appearance of food. To be sure that foods are safe to eat, keep cold foods below 45 degrees Fahrenheit and hot foods above 140 degrees Fahrenheit until serving time. Refrigerate leftovers immediately and use them within two or three days.

Foods held at room temperature for more than two hours are subject to the rapid growth of bacteria. Subsequent cooking or freezing may not render the food safe. Efforts should be made to minimize the time food remains at room temperature from purchase to final serving.

Dr. Hebertson emphasized that food contamination in the home is possible at any time, but especially during holidays, when large and festive meals are prepared. This holiday season, have a feast — but avoid contamination and illness by handling food with common sense precautions.

## Names of disabled scientists sought by resource group

The American Association for the Advancement of Science Resource Group of Disabled Scientists now numbers over 1,000 members. Since 1975, members have consulted with schools and colleges, employers and legislators as well as disabled persons to help open doors to scientific education and careers for those who have disabilities.

A Directory lists names and other information about handicapped scientists and engineers to be used as a resource for locating and recruiting disabled students and employees.

A nationwide effort is underway to identify as many disabled scientists (including

social scientists), engineers, mathematicians and students of science, engineering and mathematics fields as possible.

Those who wish to identify themselves or someone they know who meets these qualifications will be contacted by AAAS to provide more information about joining the Resource Group or being listed in future editions of the Resource Directory. The AAAS will not use, without permission, the names of individual scientists who respond.

Those wishing to identify themselves should contact Project on the Handicapped in Science, AAAS, 1333 H Street, N.W., Washington, D.C. 20005.

## Employee in the Spotlight

### Phyllis McKinney enjoys variety in job

For six years Phyllis McKinney has been a secretary in Recreational Services Department. In fact, she's the only secretary for one entire department. But, she likes it saying, "it makes the job very unique. I do a little bit of everything."

Starting out as a clerk-typist in the Engineering Prototype Division 19 years ago, Mrs. McKinney said she didn't expect to be at China Lake much more than a year when she and her husband, David, first moved to the area.

Years have passed quickly, commented Mrs. McKinney, because the people here are great and NWC has offered continuing opportunities for both her and her husband.

"I've really enjoyed working in Rec Services," she commented, "everyone here works as a team and it has been a great place to work."

Not only does the department's only secretary enjoy routine clerical tasks, but she notes there is something new and different each day. "I get to meet a lot of people, both customers and employees, and I never know what's going to crop up on a par-

ticular day.

While neither Mrs. McKinney nor her husband are ready for retirement yet, they enjoy working, they plan to stay on the east slope of the Sierra when that time does come by moving to the Bishop area.

"We really enjoy the mountains and like to go riding on four-wheel cycles, so the Bishop area will be ideal." They currently have a "weekend hideaway" at Aberdeen between Big Pine and Independence they can flee to when they need a change from the Indian Wells Valley environment.

"It's a fun job. Everyone plunges in to do

what needs to be done, it really is a team, not just one person doing all the work," she said of the Recreational Services Department.

With nearly 20 years of service at NWC, Mrs. McKinney now considers herself one of the oldtimers. "I've seen a lot of people come and go," she noted.

When not occupied with a full time job or with relaxation at this weekend retreat, Mrs. McKinney says she enjoys spending time with her daughter, Tami and "spoiling my two grandsons."



**MAKING PLANS** — Phyllis McKinney updates a list of projects in NWC's Recreational Services Department. Mrs. McKinney has been department secretary for the past six years. — Photo by PH2 Rick Moore

## B-29 departs. . .

(Continued from Page 1)  
 used to fly B-29s and he wanted lots of pictures," commented the reserve officer.

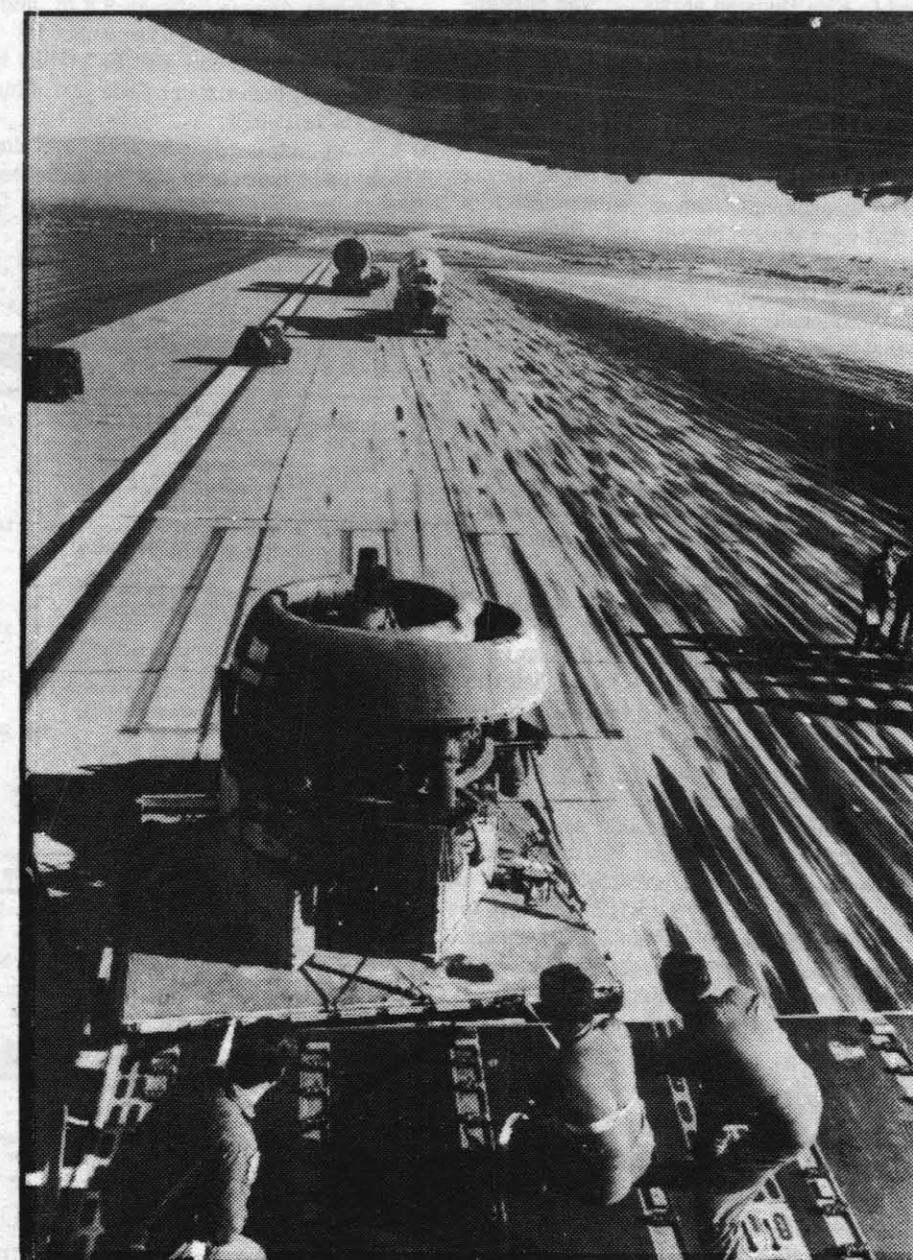
As the Galaxy lumbered down the runway for its 45-minute flight back to Travis AFB, this rescue of a part of Air Force history ended. Some volunteers flew back to Travis with their project while others stayed on the ground to drive back vehicles from Travis used in the operation.

Several volunteers joined Capt. Stoney in stressing the importance of the cooperation received from NWC. "People went out of their way to help," commented Capt. Stoney. "I can't put enough emphasis on the assistance we received from the Navy," he added, "we couldn't have asked for a better working relationship than we got at the Naval Weapons Center."

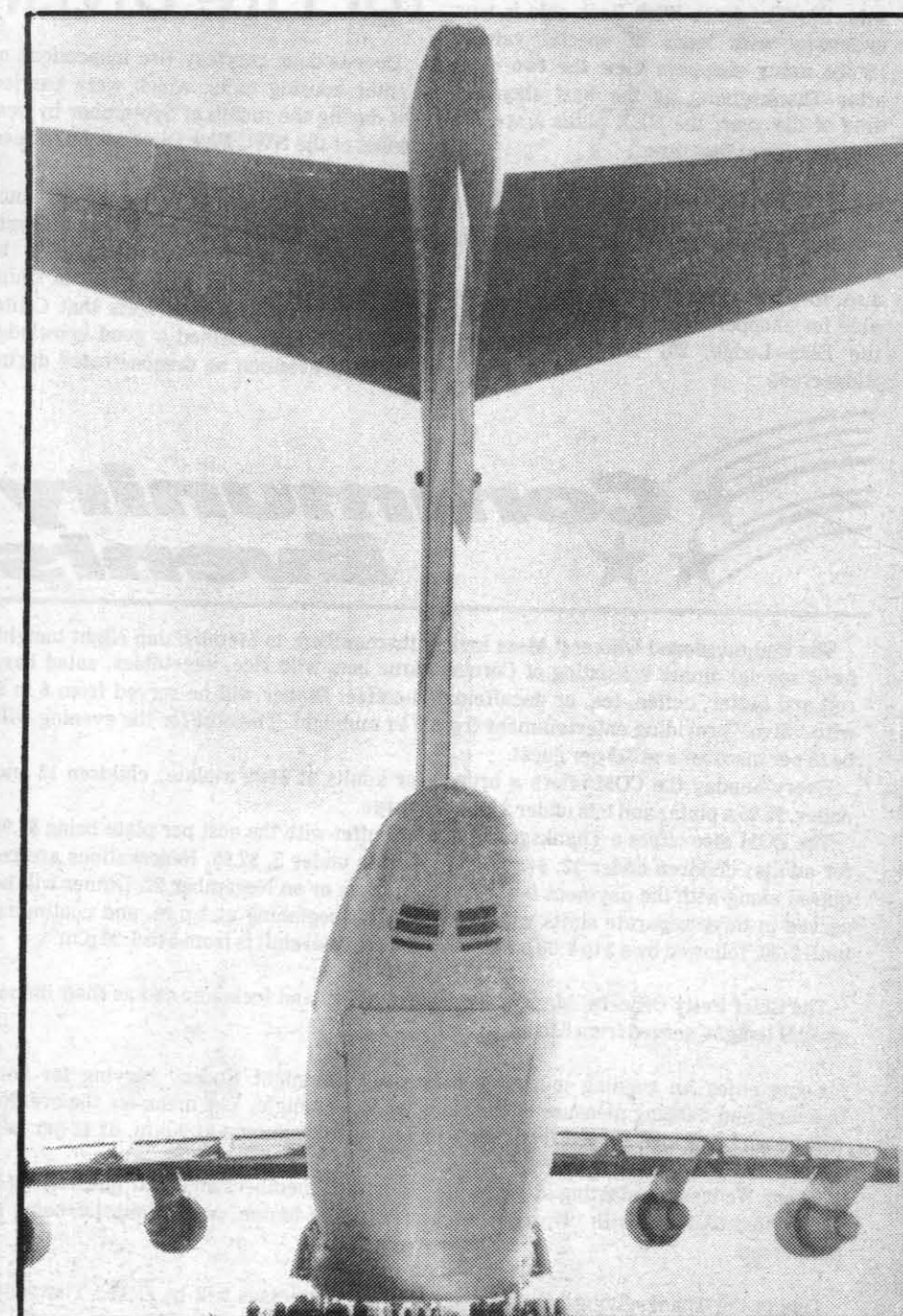
**OPEN WIDE** — Air Force volunteers with the 301st and 312th Military Airlift Squadrons ease the aft fuselage of a B-29 Superfortress into the belly of a C-5A Galaxy



**CARGO COMPARTMENT** — Ground support equipment and individuals are dwarfed by the C-5A Galaxy as its huge cargo mouth begins to open and the nose lifts to allow almost anything, including tanks, buses and B-29 fuselages to be carried anywhere in the world.



**LOADING UP** — One B-29 engine comes aboard the C-5A Galaxy while aircraft fuselage parts wait on the runway to be shoved aboard for a quick trip to Travis AFB.



**TOWERING TAIL** — Largest aircraft in the Air Force inventory, the C-5A Galaxy towers over the runway and Air Force personnel as a B-29 heads for Travis Air Force Base. — Photos by PH2 Rick Moore

**NWC Rocketeer**

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# Winter should bring on better fishing at Isabella

(By Mike Vradenberg)

Two winter storms passed through the Kern River Valley last week, and night time temperatures have been below freezing. Lake Isabella's level has risen two to three feet, and the trees in the channels are slowly disappearing.

Lake water has been cooling rapidly, and fishing is real slow. Fishing is at its best in the winter, and as the cold weather persists fishing will become more active.

A few bass, trout, crappie, bluegill, and catfish are being caught, but the quick change in the weather makes their feeding times unpredictable. Bass anglers doing

the best are using live baits, nightcrawlers, waterdogs, and crawdads.

Anglers are fishing in the rocks and around the trees at Piney Point, Rocky Point, and Gautche Point. Trout fishing is

good below Wofford Heights where the north fork enters the lake, and up river to KR3 powerhouse. The baits being used are nightcrawlers and red salmon eggs.

Crappie are being caught in the morning,

near the buoy line where the north and south channels come together.

Anglers are using bright colored jigs with light test line. Bluegill are found year round near the rocky shore lines, and worms are the most common bait.

Catfishing is slowing down for shore fishermen, but good size ones are being caught during the day in and around the dead trees in the south fork channel. Live baits dropped straight down to the bottom are producing the best.

Mornings have been calm, and most anglers are fishing until about noon.



## Sports

### NWC basketball team opens home season with big win

Varsity basketball play opened at the Naval Weapons Center last Saturday with the NWC Women's team taking a 61-55 win from Ft. Irwin's women.

NWC cagers held a 36-27 advantage at halftime and went on to even their season record at 1-1.

Janet Pande paced the winners in scoring with 24 points while Jean Borrett added a

17-point effort in the victory.

A men's game scheduled for Saturday was cancelled when Ft. Irwin's team had transportation problems.

On Dec. 1 the women will host cagers from George AFB at 3 p.m. and Twentynine Palms will be here to face NWC's men's varsity squad at 1 p.m. Both games are set for NWC's gym.

### Modern Trophy bowlers hold big edge in loop standings

With a 119-61 record, Modern Trophy retains leadership of Premier Bowling League standings. Buggy Bath keglers are second with a 105-75 record while Hideaway bowlers are third at 99½-80½.

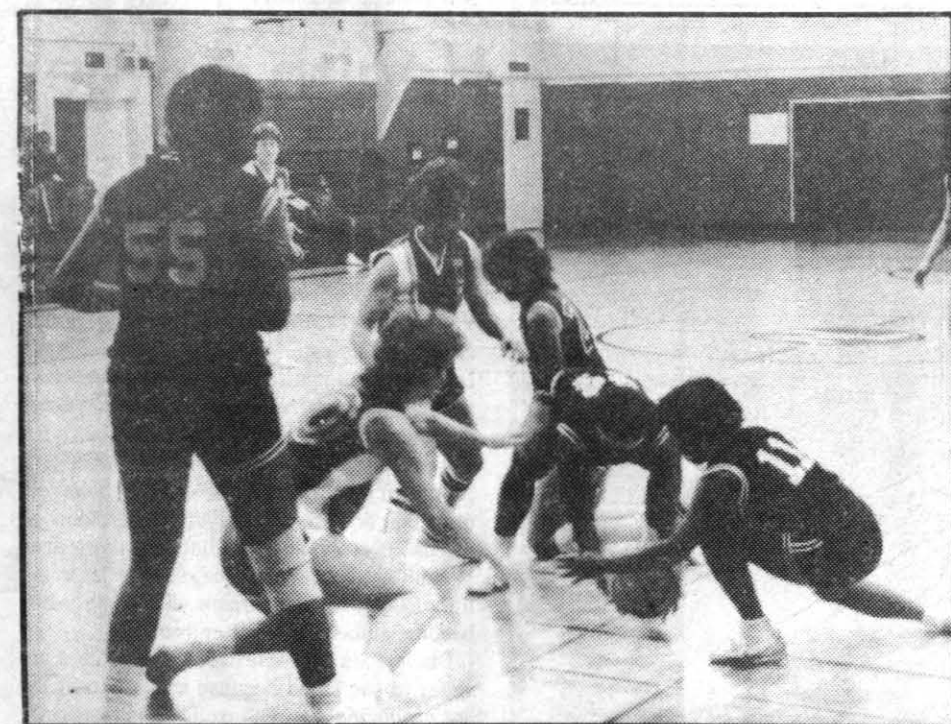
Keith Becker's 611 series was highlighted by a night in which he didn't leave a single open frame in three games.

Top game honors for the week went to

Paul Cowan with a 228 total.

Team honors belong to the Modern Trophy squad with a 806 team game followed by a 2,259 team series.

Starting this week the Olympia Beer team became the Farris' Restaurant team and is lodged in fifth place with a 88-92 record as of Monday night.



**WOMEN'S BASKETBALL** — NWC Women's Varsity basketball team were easy winners against cagers from Ft. Irwin last Saturday. Both men's and women's teams from NWC are scheduled for home games on Sunday, Dec. 1, against Marines from Twentynine Palms.

### Trappers begin their work

Trapping season is on once more. Hikers or other outdoorspeople who find trap lines while in the mountains are asked to leave the lines alone, but to notify Department of Fish and Game personnel where the traps

are if there's any question about whether they are legally placed.

Also, anyone who heads into the wilds with a dog along should be sure the dog is leashed so it won't get caught in any traps.

### Center sailors compete

AE2 Dave Galt and PR3 Walter Koan represented the Naval Weapons Center in Southern Pacific Continuous Billiards Championship action last month in San Diego. Petty Officer Galt finished in fourth

place and Petty Officer Koan was fifth.

The two China Lakers were among 52 players taking part in the championship contest.

### Kern anglers fight weather

Fishing in the Kern River is slow right now because the water is quite cold. Fishing anywhere below Johnsondale Bridge as well as in the south fork through Kennedy Meadows is legal throughout the year, but trout limit is now five fish. The Golden Trout Wilderness is closed,

however. The river is still being planted.

A few bass are being caught at Lake Isabella, but the best fishing is for catfish. Cold winds have kept most anglers at home in front of a fire rather than around the edge of the lake at night.

### Track Club hosts Turkey Trot

Over-The-Hill Track Club members will hold their annual Turkey Trot three-mile run on Thursday, Thanksgiving Day at Cerro Coso Community College.

Registration on race day begins at 9 a.m.

with runners, jumping off at 10 a.m. Entry fee for the race is \$1. For more information call Mike Mumford at 375-5876.



**MEN'S BASKETBALL** — While Ft. Irwin's varsity team couldn't make it to China Lake to face the NWC cagers, the Center team played a pick-up game Saturday to stay in condition for varsity play.

### Birds elusive this season

Quail hunters who are hitting the eastside canyons from Nine-Mile to Jawbone are all getting a lot of quail. Chukkar hunters in the southern area need to find rocky outcroppings and look near those to find any of the elusive birds — and birds in the southern areas are mainly outsmarting the hunters.

Mallards, scaup, widgeon, canvasbacks and buffalo heads are also being potted by waterfowl hunters. So far the main, big flights of ducks have not moved through the Lake Isabella area, but the first are appearing. The hunters who are familiar with the sloughs in the area are having the best luck.

Lots of bear are to be found on both sides of the southern Sierra. Bear hunters should look for oaks with acorns on the ground because the bears are also looking for oak trees full of acorns.

### Refs needed

There is a need for referees in this winter's Naval Weapons Center Youth Basketball League. Refs are paid \$6 per game during the season that runs from Jan. 10 to March 10, 1986.

Games are scheduled every Saturday morning. Practice sessions are Monday and Friday evenings. An official's clinic is set for Dec. 17 at 7 p.m. in the NWC Youth Center.

For additional information, please call NWC ext. 2010.



## The Skipper Sez...

### QUESTION

Yes, my concern is the intersection of 4th and P Street in the Salt Wells area. The speed limit is 35 mph to the center section. People who are working to the east of Salt Wells, Skytop, CT area, etc., have a tendency to speed through this particular intersection at excessive rates of speed, approximately 60-75 mph at times, even passing people who are making right hand turns; however, this is not the problem. There is a dip which is west of the intersection that provides a potential safety hazard. A small vehicle, such as a Datsun or Toyota, which is in the dip, can not be seen from the intersection by the car (particularly a small car) going north and making a left hand turn or going straight either one. And, a lot of sight is completely covered up by hill. It is a very dangerous situation, and the people in Safety Department have been contacted previously, with no response. I would appreciate it if you would look into the matter, Captain. Thank you very much.

### ANSWER

The problem at this intersection has been looked into by members of the Traffic Safety Council. There are presently advance warning signs indicating intersection ahead and reduced speed approaching this area. An automobile travelling on 4th Street within the posted speed limit would have more than adequate time to stop or slow for a vehicle entering from P Street into the flow of traffic.

The Police Division has been notified of the indicated excessive speeds in this area. However, since a patrol car may not always be around when a driver is exceeding the speed limit, concerned motorists can help by notifying the Police Division with the vehicle license number of the speeding motorist so that follow-up action can be taken.

### QUESTION

I just wondered why over in Mich Lab they have the Commander and Technical Director's awards hanging up in the lobby? I was curious one time why the awards were left up for a few days and the next time it's left up for several months, and I know someone who received their award and it was never put up for them. I was just curious. Thank you.

### ANSWER

The decision to locate the award display in the lobby of Michelson Laboratory was made because of its close proximity to the Honorees' display and the lobby area complex which was considered to be a focal point for Center employees, community and official visitor activities.

The reason the award information is displayed for varying periods of time is because the practice has been to leave the most recent award information on display until new awards are presented. The preparation and installation of new awards for display normally takes less than a week to accomplish.

The present procedure has ensured that the display is vacant only for the period of time it takes to make the information exchange. We will try to correct the length of time that material is on display by giving each recipient as much equal time as possible.

I share your concern that we may have overlooked a past recipient of either one of the awards. If we did I apologize and assure you that every effort is made to maintain the display in a current manner.

Thank you for your concern and interest.

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.

### FMA presents employee views

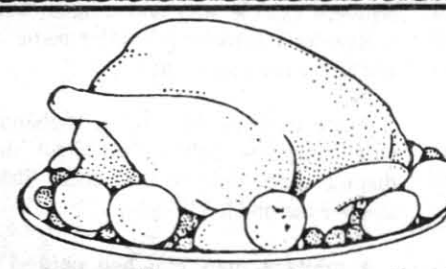
Often asked by Congress for testimony regarding the needs of federal employees, the Federal Managers' Association has been able to present to influential lawmakers the point of view of civil servants.

FMA is the one organization for federal employees that includes both white collar and blue collar members.

Benefits to members include a lawyer referral service with preliminary free or discounted legal services, a survivor benefit association, optical insurance, and a health insurance plan.

Annual dues are fully tax deductible and are paid through a bi-weekly payroll deduction program.

Anyone interested in more information about FMA can get this from Joe Hibbs, first vice president of Chapter 28, the local chapter. He can be reached at 375-4969 evenings, or NWC ext. 3673 during working hours.



## Holiday greetings

*As we reflect once again upon the abundant harvest this great land of ours always provides, we join our fellow Americans in giving thanks for all the blessings that have been bestowed upon our nation since the time of our Pilgrim forefathers.*

*Although many of us are separated from families and loved ones during this uniquely American holiday, we all have good cause to be even more thankful for all that we celebrate today. In your travels and overseas duty you see many people not blessed with the same freedoms and opportunities that Americans all too often take for granted.*

*I want you who are serving in the Armed Forces on this Thanksgiving Day to know that your fellow citizens give you a special thanks for the continuous "harvest" of freedom which you and your predecessors have provided for us all. Your devotion and your selfless sacrifices continue to make the hopes and dream of our Pilgrim forefathers come true. We are deeply grateful for all you do.*

*Casper W. Weinberger  
Secretary of Defense*



**SURPRISED** — Elaine Mikkelsen was astounded to find that she earned the Commander's Award Monday morning; she attended the Commander's meeting to present an award to the Skipper and received her award from him immediately after that presentation.

## Elaine Mikkelsen presented Commander's Award Mon.

Monday morning's Commander's Meeting had an unusual beginning: Elaine Mikkelsen, head of the Recreational Services Department's Community Recreation Division, presented Capt. K. A. Dickerson with the Media Excellence Award earned by Code 22 in the Naval Military Personnel Command's Recreation Awards Program.

The Skipper then presented a very surprised Ms. Mikkelsen with the Commander's Award for Mission Support for her outstanding work with the Recreational Services Department. In media competition for recreational services, NWC stands in the top 10 of all Navy Commands of all sizes for numbers of awards won. Of the 10 awards that the Center has earned, Ms. Mikkelsen has personally been responsible for earning seven awards.

Capt. Dickerson noted that since NWC "is out in the middle of nowhere, we need the kind of a recreation program that can satisfy a great many people. I'm delighted to recognize the outstanding and innovative person who has been able to bring such a good printed media approach to the ser-

vices offered." The award submission included three copies of the recreation bulletin, two flyers, and two tri-fold brochures designed and laid out by Ms. Mikkelsen and her personnel. She credits Jan Silberberg, Rhonda Knutsen and Kathy LaRoche-Bengston for their outstanding contributions to the department's printed media. In addition, she also says that she appreciates the assistance and advice that has been provided to them by Bill Erwin and Eric Bengston in the Center Technical Information Department.

"I view the award as having been made to the whole Recreational Services Department," Ms. Mikkelsen says. "Without a really good program, we wouldn't have anything we could publicize. Much of the time, the publicity has had a very short turn-around time because many of the recreation programs are set up in response to needs identified that must be met quickly."

Ms. Mikkelsen has been in the Recreational Services Department for the past six years. She holds a degree in English and Physical Education from Cal State College in Bakersfield ("because I wanted to teach and to coach — and physical education teachers basically were not able to do both"), and taught junior high school at St. Ann's School in Ridgecrest for five years before deciding that she had stopped learning on her job so it was time to try something new.

At that time she came to work for NWC as a lifeguard because she had worked her way through college as a lifeguard. Shortly thereafter she was put in charge of pools on the Center, and then became head of the Youth Activities Branch before becoming the division head.

### Deadline moved

Because of the Thanksgiving Day holiday, Rocketeer deadlines will be moved up to Monday rather than Tuesday for the Nov. 29 issue.

Any photos to be used must be taken by noon Monday, and all information for articles to be used next week must be in the hands of the Rocketeer staff by 4:30 p.m. Monday.





TRESPASSERS ALERTED — Jasmine, Capt. Dickerson's horse, reads the warning sign posted at the stables. — Photo by PH2 Rick Moore

## Well-intentioned visitors cause trouble for horses at stables

Only horseowners and their guests are welcome at the Center's stables. Well-intentioned visitors have created havoc at these stables near B Mountain, according to horseowners. Many of these visitors have either fed the animals or tried to feed them, and could have seriously injured them thereby. One visitor dumped a whole bag of grain into a corral, which could have literally killed the horse had he eaten the food because a horse does not have the knowledge of when to stop eating. (Recreational Services Department personnel point out that any visitor who is responsible for the death or injury of a horse could be sued by the horse's owner. This could be very expensive because the cheapest horse regularly ridden at the stables cost about \$1,000 and many are more expensive.)

Not only could horses be injured by well-intentioned visitors, visitors themselves could also be hurt. Personnel report, for instance, a youngster in a corral petting a foal is in imminent danger from the foal's mother who would see anyone other than

## SAR helo gets hunters out

Four hunters got an unexpected ride on the Center's Search and Rescue (SAR) helicopter last week when they were trapped by the season's first heavy snowfall. They were missing since Sunday after having gone to the Big Meadow area about 10 miles northeast of Kernville. When they didn't return as scheduled, their families (in Porterville) notified the Tulare County Sheriff they were missing. Roads were closed into the area, so deputies asked for help from the SAR helo. They flew over the cabin the men were planning to use and spotted tire tracks in the snow. About 10 miles down the road, the crew found the vehicle the men were driving was off the road, but the hunters were visible and seemed to be in good condition. Since the helo couldn't land, it flew to a nearby meadow from which crewmen hiked to the hunters to bring them food and medical supplies. By the time the helicopter returned from getting more fuel at Kernville, the crewmen and hunters had hiked through snow two to three feet deep and were ready to be picked up. They were in good condition — mainly because they had the good sense to stay together and to stay put when their vehicle went off the road. Pilot for the rescue mission was Major John Boyd, USMC, with Lt. Tim Cleary serving as co-pilot. Assisting were aircrew members AD2 Rick Tavenner, AT3 Jack Hayes, and AT3 Richard Johnston.

her owner as threat to her baby. Horses also bite and kick, especially strangers. More than 50 instances of problems with motorcyclists have been reported within the past three months. By order of the Commander, NWC, no motorcycles are permitted in the stable area. Unescorted children will be escorted from the area by China Lake police. Adults either walking or driving up to the stables are also apt to find themselves answering questions from the police, and police will also follow up on license plates of drivers who depart the area before the police arrive. Since owners of horses pay rent for their facilities just as residents of Center housing pay rent for their homes, these renters are entitled to be protected from trespassers, regardless of how well-intentioned these trespassers may be.



## China Lake Police Reports

Vandals broke a window at Pierce School probably over the weekend because it was reported to China Lake police on Monday morning.

A local employee was seen at the intersection of Richmond and Inyokern Road Monday that China Lake police knew had an outstanding warrant. He was arrested for failing to appear in court for driving on a suspended driver's license.

Vandals struck also at Hangar One, when they scrawled graffiti on a photo posted on a bulletin board.

An employee on Center has been receiving annoying phone calls at work. She called police because she suspects that they may be from her ex-husband who now resides in Texas.

A pair of prescription sunglasses were found in the Michelson Laboratory parking lot. The owner can claim them by stopping by the China Lake police station.

A bomb threat was received at the NWC All Faith Chapel Thursday evening. No bomb was found, but police remind everyone that making bomb threats is a federal, state and Navy offense and can be punished by imprisonment in a federal penitentiary.

Two military men were picked up — one on Thursday and one at 1:15 a.m. Sunday — for driving while under the influence of

## Donations still being sought as CFC drive comes to close

Donations are still trickling in although the Combined Federal Campaign fund drive is officially over. As of Monday, \$120,909.88 had been donated or pledged to the many organizations making up the CFC effort at China Lake. Natalie Harrison, Community Liaison Assistant, and Loretta King, Assistant Public Affairs Officer, CFC coordinators, said only about 20 percent of China Lake's military and civilian employees had contributed to date. They said late pledge cards and donations will still be accepted by key personnel for the CFC drive in each code. Last year a record high of more than \$190,000 was generated by generous China Lakers. For any employee who has not yet made a contribution to this once-a-year fund raising effort, it's not too late to do so now. Money raised goes to the United Way of the Indian Wells Valley, National Health

Organizations, National Service Organizations and International Service Organizations. In addition, donors can earmark all or any part of their contribution to specific agencies, under the CFC umbrella, such as the American Red Cross, Fire Mountain Foundation or Civil Air Patrol. Every employee should have received a pledge card and a brochure explaining this drive as the only on-the-job fund drive of the year. Donations can be made by cash, check or by an authorized payroll deduction for a minimum of \$1 per pay period starting in January, 1986. All contributions, stressed the coordinators, are fully deductible from state and federal income taxes. They also noted employees could be certain their donations made it to the right charity if they specify which agency is to receive the money. "Dig deep," say the coordinators as the CFC drive winds down, "and give generously."

## Aviation historian to talk on Navy aviation in Korean War

Dr. Richard P. Hallion, currently Historian of the Air Force Flight Test Center at Edwards Air Force Base, will discuss the development of Naval aviation close-air support techniques during the Korean War at a dinner meeting of the American Institute of Aeronautics and Astronautics. The meeting, which is open to all interested persons, will be held on Tuesday, Dec. 3, at the Commissioned Officers' Mess. A social hour at 6:15 precedes dinner at 7 o'clock. Ticket information can be obtained by telephoning Bill Werback at 375-5204 during morning and evening hours. Dr. Hallion has served as Curator of Science and Technology and as Curator of Space Science and Exploration for the Na-

tional Air and Space Museum, Smithsonian Institute. He has also been on the faculty of the University of Maryland. The latest of his 10 published books is entitled "The Naval Air War in Korea: 1950-53." It will be released by the Nautical and Aviation Press in early 1986. Among his other published works are one of the volumes in the Time-Life "Epic of Flight" series. He has also served as a reviewer or consultant to many professional societies, including the AIAA, the Society of Experimental Test Pilots, the Society of Flight Test Engineers, and the Flight Test Historical Foundation. Dr. Hallion has been elected an honorary associate member of Test Flight, Order of Daedalians.

## IWV team seeks missing men

Eleven members of the Indian Wells Valley Search and Rescue Team assisted in rescue efforts for three missing men last week. SAR Team members were called out at 6 a.m. Wednesday, Nov. 13 to join San Bernardino County Sheriff's deputies in searching for Mike Farrell, 28, Danny Farrell, 25, and Kelly O'Connor, 28, who were missing in the Panamint Mountains. Louie Allen, SAR Team spokesman, said the three men had been trapped by heavy snow, up to three-feet deep on the east slope of the mountains and were unable to get their four-wheel drive trucks out. Danny Farrell and O'Connor went out Saturday and were to be met by Mike Farrell at Russel Camp on Sunday. Heavy snow on Monday trapped them near Wood Canyon and they began attempts to get out on foot. Shortly after meeting sheriff's deputies at Ballarat, SAR members asked for assistance from NWC aircraft in the area. Two pilots from NWC flew over the Panamint, making a visual check for the missing men. When one pilot located the threesome, SAR members called for assistance from Edwards Air Force Base's SAR helo. By 1 p.m. Wednesday afternoon all three men had been picked up and brought to safety. Allen noted IWV searchers were unable to reach the tops of ridges even in four-wheel drive trucks equipped with chains. They did hike to ridge tops and attempt to locate the missing men. Had aircraft not found them, searching for the three men would have been done by using a snow-cat operated by IWV SAR members.

## Reserve mobilization exercise called a success

Reserve officers from Naval Reserve Unit NWC 0276 completed a one-day mobilization exercise at NWC last week according to Capt. W. A. Hunt, commanding officer. The 11-man unit spent the day being briefed by Capt. P. D. Stephenson, Chief Staff Officer, and representatives of the offices they would be assigned to in the event of an actual mobilization of reserve forces. For example, LCdr. F. J. Roeder from the Conventional Weapons Division, Ordnance Systems Department, on his role as a conventional weapons project officer in case of mobilization.

Capt. Stephenson briefed the entire unit of the day's activities following their assembly for morning colors. The 11 officers were scattered among seven NWC departments in roles ranging from fleet operations advisor to threat

assessment officer and from a forward air control radar officer to an assistant project officer, fusing. Capt. Hunt noted the exercise was designed to create an awareness of the reserve unit's support capability at NWC.

In addition, it allowed officers to become familiar with Center personnel they would work with should mobilization be necessary. This unique reserve unit is composed of officers who are employed in scientific, technical or engineering fields as civilians. This gives them better ability to support NWC needs should they be called up for active duty.

Capt. Hunt said they received excellent support that made success possible from both military and civilian employees at the Naval Weapons Center.



## Military News



PROJECT OFFICER — Mike Aley from the Ordnance Systems Department Conventional Weapons Division (left) briefs LCdr. F. J. Roeder, Reserve Conventional Weapons Project Officer as part of the reserve unit mobilization exercise last week. Eleven officers spent a day at learning about NWC.

## People remain vital to security

You can control access to classified information by installing the most comprehensive and sophisticated physical and information security controls imaginable. But unless you have trustworthy people, you don't have much of a security program. Even the most advanced security systems and procedures won't prevent a cleared employee who chooses to do so from compromising military secrets. That's why the Department of Defense puts so much emphasis on its personnel security program. According to DOD officials, the Department of Defense personnel security program is by far the largest in the federal government. More than 90 percent of the sensitive positions in the federal government are held by Defense personnel. Before Secretary of Defense Caspar W. Weinberger's 10 percent reduction in the number of DOD security clearances had gone into effect, there were: — 2.5 million cleared DOD military/civilian employees; — 1.4 million cleared industrial employees; and — about 400,000 cleared members of the Reserve components. These figures include individuals cleared for 105 special access programs involving information of the highest national security sensitivity. To prevent classified information from getting into the wrong hands, investigations of DOD employees and potential employees help evaluate whether they can be entrusted with classified defense information.

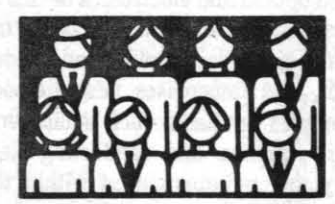
These investigations are: **National Agency Check** — This includes a check of the FBI Main File and Criminal Identification Division File and the Defense Central Index of Investigations. Other federal agencies may be contacted if appropriate. If adverse or questionable information is uncovered, the investigation is expanded to develop pertinent details. This check is used to clear military and contractor personnel for access to confidential and secret information. **Standard Background Investigation** — This includes a national agency check and involves field coverage of such things as employment, education references, developed references and credit and local criminal justice records in the areas where the individual has lived, worked or attended school. It covers the last five years of the person's life and is the basis for granting top secret clearances to DOD civilian personnel. **Interview-Oriented Background Investigation** — Following a national agency check and local agency, credit, employment and developed reference checks that cover the past five-year period, the person is personally interviewed. This investigation is the basis for granting top secret clearances to military and industrial contractor personnel. **Special Background Investigation** — This is similar to the standard background investigation, except that it covers the most recent 15 years instead of the most recent five. This investigation is a requirement for

sensitive compartmented information access. **Periodic Reinvestigation** — This investigation is conducted every five years to reaffirm whether an individual can continue working with top secret or sensitive compartmented information. It includes a national agency check, local agency checks, credit check, employment record and employment reference checks, developed character reference checks and personal interview. One or more of these investigations is conducted before a new employee is permitted to access to classified or sensitive defense information, before an employee can move into a new position requiring a higher-level clearance, and on a recurring basis to ensure, to the maximum extent possible, the continued security of government programs. **Menu board asks input** All military personnel with chow passes are invited to attend a meeting of the Menu Advisory Board meeting to be held on Wednesday, Nov. 27, at 9 a.m. at the Galley. Ordinarily these meetings are scheduled for the last Thursday of the month, but since Thursday this month is Thanksgiving, the meeting will be held a day early.

## Health danger is highlighted

Have you thought about your pancreas today? If you have, you are probably one of the thousands of Americans suffering from diabetes. If you haven't, the American Diabetes Association wants you to think about your pancreas and the dangers of diabetes during National Diabetes Month in November. Contrary to what some people believe, diabetes is not exclusively a childhood disease. For every child diabetic, there are 10 adults who develop the disease later in life. Eighty to 90 percent of people who become diabetic do so after age 30. Diabetes is characterized by an excess of sugar in the blood because the pancreas is not producing enough insulin or is resistant to insulin. Insulin is important because it regulates the natural supply of glucose and converts it to energy. Without sufficient supplies of insulin glucose accumulates and bodily functions deteriorate. Left untreated, diabetes can lead to blindness, neurological or kidney problems and even death. Diabetics are not allowed to enter the armed forces, said Navy Capt. (Dr.) Peter Flynn, director for professional activities, Office of the Assistant Secretary of Defense for Health Affairs. "The policy varies for those who become diabetic while on active duty," pointed out Dr. Flynn. Usually, insulin-requiring diabetics are required to meet a medical board and are discharged, except in rare cases. Non-insulin requiring diabetics whose diabetes can be controlled through diet and exercise usually will be kept in the service. "Each incident," said Dr. Flynn, "is handled on a case-by-case basis." There are actually two types of diabetes, according to Lt. Cmdr. (Dr.) Gary Zaloga, and endocrinologist and director of research for critical care medicine, Naval National Medical Center, and an assistant professor at the Uniformed Services University of the Health Sciences. "Type one, referred to in the past as childhood diabetes, is an actual insulin deficiency. It is believed to be caused by an infection that destroys insulin-producing cells. "Type two diabetes is an insulin resistance. Eighty percent of the people with Type 2 diabetes are obese," he said. Diabetes is the leading cause of blindness in the United States. Dr. Zaloga explained that diabetes affects nerves. The retina has many of them and is heavily affected by diabetes. "The people who don't go blind lose some acuity and some can't drive. They tend to have blurred vision that is not correctable. Although they may be able to work, they may not be able to drive," said Zaloga. Neurological problems also occur. "Victims will have pain in their arms and legs that may evolve into complete numbness," said Dr. Zaloga, adding, "This makes it difficult for patients to walk. In some cases, because of the numbness, small cuts or bruises can become infected without the patient's knowledge. It can lead to amputation."





## Recent Additions

Code	Name	Title
097	Edwards, Willie L.	Personnel Mgt. Spec.
3272	Zappia, Gabriel J.	Mech. Engr.
3355	Christman, Neil S.	Engrg. Tech.
3381	Rourke, John F.	Aerospace Engr.
3414	Alexander, Leanne L.	Clerk-Typist
3523	Morphis, April S.	Data Transcriber
364	Tyhurst, Debra J.	Clerk-Typist
3665	Roether, Linda J.	Clerk-Typist
3817	Neurnberger, Joni	Physical Science Tech.
3818	Keck, Sean P.	Electronics Tech.
6412	Kolb, Lisa M.	Engrg. Tech.

## Recent Separations

1412	Stirton, Robert J.	Research Physicist
2522	Williams, Marion J.	Clerk-Typist
26904	Nyholm, Carl A.	Engr. Equip. Opr.
3104	Bracha, Matton F.	Electronic Engr.
6236	Maegaard, Richard W.	Electronics Tech.
64	Lloyd, Sheila H.	Secretary (Typing)

## Orientation lecture set

The fifth segment of the fiscal year 1986 Junior Professional Orientation Technical Lecture series will be presented from 8 to 10 a.m. on Wednesday, Dec. 4, at the Commissioned Officers' Mess. Linda Anderews, head of the NWC Corporate Planning Program (Code 128) will speak on NWC and overall Navy organization, and Sterling Haaland, associate head of the Weapons Department, will present "How Your Salary Is Paid." All JPs are encouraged to attend the lectures.



**DIGITAL SYSTEMS & COMPUTERS PART II**  
16-20 December, 0800-1600, Safety Building #465. By: Prof. Rudy Panholzer, Naval Postgraduate School.

Intended Audience: Students who took Part I. Scope: This course is primarily intended for technicians and technical personnel who have no (or very little) background in digital concepts. The goal of the course is to provide the student with a basic understanding of digital circuits and systems leading up to and including microprocessors and microcomputers. The speed and level of the course will be matched to the background and ability of the students in the course.

- OUTLINE**
- I. Introduction and overview
  - II. Number systems (binary, octal, decimal, BCD, hexadecimal)
  - III. Logic gates and Boolean algebra
  - IV. Simple combinational logic circuits
  - V. Arithmetic circuits
  - VI. Simple sequential logic circuits
  - VII. Flip-flops, registers, and counters
  - VIII. Memories (RAM, ROM)
  - IX. MSI building blocks
  - X. A simple computer
  - XI. Real-world examples: microprocessors and microcomputers
  - XII. Computer peripherals
- Note: Text will be provided: *Digital Computer Electronics*, by Albert P. Malvino.  
Deadline: 2 December.

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

## CONTRACTOR PERFORMANCE MEASUREMENT (CPM) CORRESPONDENCE COURSE

Now available from the Defense System Management College, this course is aimed directly at improved on-the-job performance by program office personnel. Selected parts of the course may be skipped over depending on your job requirements and knowledge of CPM. You will learn how to detect trends in program performance, spot trouble areas, forecast costs at completion, assess the cost impact of problems, and take or recommend corrective actions. The course is presented in part by audio-visual tapes but mainly it is presented through workbooks.

## New form explained

Effective immediately, a new form, Merit Staffing Application (NAVWPNCEN 12335/2 (5-85)), will be used to inform Center applicants for Promotional and Secretarial Opportunities ads of the results of their applications. The new form is available at the central reception area, Room 100, Personnel Department. Unlike the old "Dear John" letter, the new form is initiated by the applicant, who fills out the brief personal information block at the top of the form and then attaches the form to his or her application. As applications are screened and selections made, the personnel assistant will enter status information on the bottom half of the form and return it to the applicant. The self-carbon under the basic form will go in the Merit Staffing File as a permanent record of notification.

While the Personnel Department regrets asking applicants to submit one more form, it is easy to fill in the applicant's part (and should require no more than 45-90 seconds to do so) and the new form has some obvious benefits for applicants.

The applicant is only asked to provide name and code in the address block and basic information about the position applied for: title, location, announcement number, and lowest acceptable grade.

The new form will provide the following benefits: (1) Since the form will show a current, correct code, applicants will receive more timely information regarding the status of their application; (2) It will remind the applicant to provide the title and ad number of the position applied for. Probably the most common delay in processing applications occurs when an applicant forgets to state on the SF-171, Personal Qualifications Statement, what position he or she is applying for. In such cases, delays result when the Personnel Department representative must telephone the applicant to get the information; (3) The new form contains a clear reminder to submit any additional required application forms, such as the supplemental experience statement for wage grade and secretarial positions; and (4) Last, but perhaps most important, the streamlined nature of the form will allow the personnel assistant to more quickly notify applicants of the status of their application.

Anyone applying for a new job obviously wants to know "what happened?" as quickly as possible. That's the whole idea behind the new form. Remember: It is used only by permanent NWC employees when they apply to promotional and secretarial opportunities ads. It is not used by off-center applicants or for other types of ads such as reassignment or temporary.

The Personnel Department would appreciate your cooperation in using the new form.

MERIT STAFFING APPLICATION	
PART 1 - APPLICANT COMPLETES <i>(Please review this form on a regular basis prior to completing this form.)</i>	
NAME	LOCATION OF VACANCY
CODE	LOWEST ACCEPTABLE GRADE
Please consider me for the position identified above. I have enclosed all forms required in the vacancy announcement.	
SIGNATURE OF APPLICANT	DATE
PART 2 - PERSONNEL OFFICE COMPLETES	
The following action was taken with respect to your application for the position identified above in Part 1:	
ELIGIBLE	INELIGIBLE
YOU WERE RATED AMONG THE BEST QUALIFIED. YOUR APPLICATION WAS REFERRED TO THE SELECTING OFFICIAL. YOU WERE NOT SELECTED FOR THIS POSITION.	YOU FAILED TO MEET THE FOLLOWING MINIMUM ELIGIBILITY REQUIREMENTS: GENERAL EXPERIENCE SPECIALIZED EXPERIENCE EDUCATION TIME IN GRADE COMPETITIVE STATUS OTHER
YOU WERE RATED ELIGIBLE. AN EVALUATION OF THE REQUIRED KNOWLEDGES, SKILLS AND ABILITIES CONTAINED IN YOUR APPLICATION DID NOT RANK YOU AMONG THE BEST QUALIFIED APPLICANTS. YOUR APPLICATION WAS NOT REFERRED TO THE SELECTING OFFICIAL.	OTHER
YOU WERE NOT CONSIDERED FOR THIS POSITION BECAUSE:	YOUR APPLICATION WAS NOT RATED BECAUSE:
YOUR APPLICATION WAS RECEIVED AFTER THE VACANCY ANNOUNCEMENT CLOSING DATE.	NO SELECTIONS WERE MADE FROM THIS ANNOUNCEMENT.
YOU ARE NOT WITHIN THE AREA OF CONSIDERATION IDENTIFIED ON THE VACANCY ANNOUNCEMENT.	NO SELECTIONS WERE MADE AFTER THE DATE YOU SUBMITTED YOUR APPLICATION.
OTHER	THE VACANCY WAS CANCELED.
YOUR INTEREST IN THIS POSITION IS APPRECIATED.	
SIGNATURE OF STAFFING REPRESENTATIVE	TELEPHONE EXT. DATE

- INSTRUCTIONS TO APPLICANTS**
1. This form should be submitted in its entirety with each application you submit for a Merit Promotion opportunity at the Naval Weapons Center.
  2. You are to complete Part 1 of this form only. Please ensure that your name and code number are entered on the "Name" and "Code" lines.
  3. Upon completion of the selection process, Part 2 of this form will be completed by the Personnel Department. The top page of this form will then be returned to you as your official notification. Should you be found ineligible, the notification will be returned immediately, rather than at the end of the selection process.
  4. Regardless of your rating for the position advertised, your application will not be returned to you. Regulations require that your application be retained by the Personnel Department for audit purposes.
  5. If it is your responsibility to ensure that all forms required on the vacancy announcements are received in the Personnel Department by the closing date specified on the announcements, late applications will not be accepted. Failure to submit all required forms may result in an ineligible rating or a lower rating than that to which you would be entitled.
  6. Submission of this form and the information requested thereon is entirely voluntary on your part. However, should you not complete and submit this form, you will not receive notification as discussed in paragraph 3 above.

## 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 Knowledges/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. 14-185, ADP Systems Acquisition Specialist, DP-301-3, Code 1442** — Incumbent will support the development of specifications for the initiation of automatic data processing hardware and software acquisition contracts, ADP maintenance contracts and related ADP resources acquisition efforts. Incumbent will also be responsible for providing liaison with financial, contracting, ADP approval and planning personnel in support of such ADP resource acquisition efforts. Incumbent may be required to provide day-to-day Contracting Officers Technical Representative support for selected ADP support/maintenance contracts. **Knowledges:** ADP acquisition and specification development process; ADP total project development process; government procurement and contractual process. **Abilities:** successfully interface with off-center Navy review and approval officials.

**No. 25-091, Claims Examiner (Typing), GS-990-07, Code 253** — This position is located in the Personal Property Branch, Quality Assurance Division, Supply Department. The incumbent will perform personal property inspections, investigate personnel claims, and assess losses or damage. The incumbent interviews claimants personally or by phone and documents findings, corresponds with other activities and concerned parties as necessary for determining facts and finalizing claims. Incumbent utilizes police/Naval investigative reports, inspection reports, claimant's statement and other relevant information to determine cause and responsibility for the loss and damage. The incumbent will perform quality assurance evaluation of household goods packing/crating contractor. Approximately 60 percent of the work is performed outside the office in travel to homes, business, freight

terminals, Government warehouses and other locations within an area encompassed by points as far away as Trona and Bishop. **Knowledge:** of transportation regulations and a basic knowledge of transportation, civil, insurance, and traffic law; investigative techniques similar to those used by law enforcement agencies or insurance companies including gathering facts, deductive processes, examining and verifying evidence. **Ability:** to present findings and recommendations orally and/or in writing; and in a team situation. Status eligibles may apply. Promotion potential to GS-7.

**No. 26-207, Engineering Technician, DT-802-1/2, Code 2694** — Responsible for the planning, design, layout and maintenance of real property (buildings, structures, utility systems, and associated plant and technical equipment). **Elements:** ability to plan, layout and follow through on work assignments; ability to prepare engineering drawings; ability to perform field measurements. Promotion potential to DT-2.

**No. 33-046, Interdisciplinary (Computer Scientist/Electronics Engineer/Physicist/Mathematician), DP-1550/855/1310/1520-1/2, Code 3333** — This position is located in the Advanced Technology Projects Branch, Fuze Systems Division, Fuze and Sensors Department. The incumbent will be responsible for design of interface requirements and implementation of software for reduction of fuze-related data. Knowledge of HP 1000 and/or PDP 11 systems is desired. Other branch assets include HP 9920, HP 9845, and SEE-IT software development system. **Knowledges:** of electronic circuit design, analog and/or digital; knowledge and experience in using electronic laboratory test equipment. **Abilities:** to communicate in writing; Status

eligibles may apply. If filled at the DP-2 level, promotion potential is to DP-3, but not guaranteed.

**No. 33-044, Quality Assurance Specialist, DS-1910-1/2, Code 3385** — The incumbent is responsible for the application of Quality Control techniques and procedures during the design, fabrication, testing, and production of weapons systems, related equipment and components. The incumbent performs work requiring the use of specialized measuring equipment. Formal inspection reports, memos, and trip reports are required. **Knowledges:** of WS6536 process controls; procedures and requirements for the preparation of soldering electrical connections; of complex manufacturing processes and techniques. **Abilities:** to communicate effectively, both orally and in writing. If filled at the DS-1 level, promotion potential is to DS-2, but not guaranteed. Previous applicants need not reapply.

**No. 33-050, Electronics Technician, DT-856-2, Code 3356** — This position is located in the Explosive Components Branch of the Fuze and Sensors Department. The branch is responsible for design, fabrication, and testing of all explosive components used in fuzes, Safety-Arming and Arming-Firing devices. This includes detonators, leads, squibs, primers, boosters, and other devices that use primary explosives. The incumbent will participate in the selection of electronic test equipment and instrumentation, and the operation of the test equipment for design, qualification and reliability evaluation on explosive devices tested in the branch. **Ability:** to originate and develop special test setups, procedures, and electronic devices to facilitate the testing process. **Skills:** in assembly/disassembly of test equipment and instrumentation; in packaging and transportation of explosive components/devices. **Knowledge:** of electronics, explosive devices and explosive safety are required. Promotion potential DT-3, but not guaranteed. Status eligibles may apply.

**No. 34-040, Staff Assistant, GS-303-5/6, Code 3404** — Provides support for Code 3403 automatic data processing equipment requirements. Responsible for ADPE computer data base, for gathering and analyzing data and preparing reports. Serves as the focal point for small purchase efforts and will interact with the Supply Department and with all segments of TID. Performs other staff functions in support of the Information Analysis Office. **Knowledges:** NWC organizational structure and administrative operations; Supply system. **Skills:** Maintaining ADPE data base; gather and analyze data. **Abilities:** Establish good working relationships with personnel within and outside the organization; review information and data for accuracy and completeness.

**No. 35-096, Electronics Technician, DT-856-2/3, Code 3504** — Serves as Contracting Officer; Technical Representative for the Training Range Electronic Warfare Simulators (TREWS) Support Contract. The TREWS Contract is in place and is a delivery orders type contract. Various organizational groups within the Electronic Warfare Department will request support by the TREWS Contract. **Knowledge:** of the government contracting procedures; of the Cost Schedule Management (C/SSR) data for those elements of the program work breakdown structure which are being provided under the contract. **Abilities:** to organize and implement schedule and cost monitoring procedures; to coordinate and direct the support engineering tasks; to communicate effectively both in writing and orally. Promotion potential to the DP-3, however it is not guaranteed.

**No. 39-098, Clerk-Typist, GS-322-3/4, Code 3908** — This position is located in the Sparrow Program Office, Weapons Department. The incumbent provides clerical assistance to the Sparrow Program Office staff. Duties will consist of: receiving and screening visitors and incoming phone calls; receiving, opening, and screening mail; typing official letters, memoranda and reports; maintaining office files; performing timekeeping duties; etc. **Knowledge:** of Navy correspondence procedures. **Ability:** to perform receptionist and tele-

optical sensor system for a specific application. This is an advanced development effort. Experience in the design and development of laser and other E-O sensors is desired. **Knowledges:** of electromechanical devices; of structure design principles; of NWC requirements for program development. Promotion potential to DP-3, but not guaranteed. Status eligibles may apply.

**No. 33-054, Supervisory Interdisciplinary (General/Electronics Engineer/Physicist), DP-801/855/1310-3/4, Code 3331** — This position is that of head, Surface Targets Fuze Branch, located in the Fuze Systems Division of the Fuze and Sensors Department. This Branch performs advanced and engineering development of proximity sensor systems for air-to-surface and surface-to-surface guided missiles and free-fall weapons. The incumbent is responsible for providing technical and managerial leadership to a team of scientists, engineers, and technicians and reports directly to the Division Head. In addition, the incumbent will be responsible for interfacing with all levels of NWC management, Program Offices, SYSCOM sponsors, other government agencies and Services, and development contractors. Previous experience in full-scale development desirable. **Knowledge:** of electronic design principles and specific knowledge in radio-frequency/microwave and/or optical sensors systems required. **Abilities:** to communicate effectively in writing; to communicate effectively orally. Willingness to support NWC EEO goals and policies. Promotion potential to DP-4, but not guaranteed. DP-4 will be filled by reassignment only.

**No. 33-051, Staff Assistant, GS-303-6, Code 3314** — This position provides administrative and procurement support to the Encounter Simulation Branch located in Norco, California. **Knowledges:** of purchasing, accounting, and budgeting procedures. **Skill:** to determine and set priorities for a variety of administrative work accomplishments. **Ability:** to prepare and implement administrative procedures; to review information/data for accuracy, completeness and appropriateness; to meet and deal with a variety of people. This is a part-time position — 20 hours per week.

**No. 33-052, Supervisory Interdisciplinary (General/Mechanical/Aerospace Engineer/Electrical Engineer), DP-801/830/861/855/850-3/4, Code 33501** — This position is Associate Head, Electromechanical Division. Incumbent will assist the division head in coordinating, supervising, and managing the operations of the division. Function of division is research, development and production support for rocket motor arming-firing devices, and for electromechanical fuzes, safety-arming devices, contact fuzes, destructors, and warhead initiators for guided missiles and free-fall weapons. **Ability:** to manage subordinate supervisors; to design and develop ordnance components. **Knowledge:** of safety controls necessary for explosive ordnance operations. Willingness to support NWC EEO goals and policies. If filled at the DP-3 level, this position has promotion potential to DP-4, but is not guaranteed.

**No. 33-053, Interdisciplinary (Electronics Engineer/Physicist), DP-855/1310-2/3, Code 3331** — This position is located in the Surface Targets Fuze Branch, Fuze Systems Division, Fuze and Sensors Department. The incumbent will be responsible for the design, fabrication and testing of an active



phone duties. Previous applicants need not apply. Status eligibles may apply.

No. 621-010, Mechanical Engineer, DP-830-1/2, Code 6214 — This position is located in the Warhead Test Branch, Ordnance Test and Evaluation Division, Range Department. The work of the branch involves the static test and evaluation of warhead and explosives at firing sites in area R, Burro Canyon and CT-6. The primary effort of the incumbent, is to plan, design and execute the full spectrum of a test. This will involve any or all of the following activities: Coordination and planning meetings with project personnel, occasional travel, cost estimates and cost tracking, safety considerations, design of test structures, hardware test fixtures and supervision of construction, direction of test crew to conduct tests, and documentation of test results. A secondary effort involves planning and design for improvements and modernization of test facilities themselves and tracking and review of ongoing projects. Ability to work safely both in office and in field operations. Skill in mechanical design from small scale items to large scale structures. Ability to communicate orally and in writing for the complete effort of a test project, to work across a broad spectrum of personal contacts and environments. Must take training leading to the position of Firing Officer for tests. Status eligibles may apply.

No. 621-089, Mechanical Engineering Technician, DT-802-1, Code 6212 — This position is located in the Aerothermodynamic Testing Section, Ballistics Test Branch, Ordnance Test and Evaluation Division, Range Department. The incumbent provides mechanical design and fabrication support to the Test Engineer and Firing Officer of the blowdown air facility. Fabricates, instruments, and modifies special fixtures to accommodate test hardware in the test cell. Maintains and readies the air facility for use by selecting and installing appropriate measurement and control hardware and operates control equipment. Acts as Firing Officer in the absence of Test Engineer. Knowledge: of the operation of blowdown wind tunnel facilities, instrumentation required for pressure, temperature and flow measurements, and fluid regulating and control equipment. Ability: to communicate orally and in writing; to deal with a wide variety of technical personnel. Skill: in blueprint reading; machine fabrication and welding techniques. Promotion potential to DT-3. Previous applicants need not apply.

No. 621-100, Engineering Technician, DT-802-2, Code 6217 — This position is located in the Mechanical/Ordnance Support Section, Ballistics Test Branch, Ordnance Test and Evaluation Division, Range Department. The incumbent assists in setting up and conducting propulsion and related static ordnance tests and analysis of test data throughout the general skytop test area. Also the incumbent is involved in fabrication, repair, and modification of test fixtures, hardware, and support equipment. Knowledge: of ordnance devices and materials, of general test hardware, fixtures, and handling equipment. Ability: to work well with personnel at all levels. Promotion potential to DT-3 level.

No. 6202-19, Interdisciplinary (Electronics Technician/Electronics Engineer/Program Manager, DP-856/855/340-3/4, Code 6206 — This position is for the Operations Security (OPSEC) Program Manager for the Test & Evaluation Directorate and is functionally located in the Range Department. As the principal OPSEC officer for the T&E Directorate, the incumbent will plan, direct, implement, and evaluate OPSEC techniques for T&E operations and manage and direct the Directorate OPSEC improvement program. Duties will include, but are not limited to, the following: consult and advise the T&E Director on protection of weapons systems testing data; plan, direct, implement and evaluate OPSEC techniques to preserve requisite secrecy before, during, and after operations; oversee OPSEC training for Directorate personnel; develop improvement program requirements; establish and implement an improvement program plan including schedules, costs, required resources; and control and monitor improvement program progress. Incumbent must have a high degree of analytical ability. Should possess effective oral and written communication skills. Able to interface with all levels of personnel. Should have mature judgment to advise T&E Director and other senior managers. Applicant should possess knowledge of OPSEC rules and regulations; internal NAVWPNCEN security posture; subversive organizations and their methods of operation or known sources of such information; test range operations; interrelationships of test range operation officers, facilities, and views. Status eligibles may apply. DP-4 filled by reassignment only.

No. 62-026, Interdisciplinary position, (General/Mechanical/Aerospace

Engineer), DP-801/830/861-2/3, Code 6212 — This position coordinates environmental test programs, follows up on test progress and status, generates test procedures documents, interfaces with customers, analyzes the test data, and prepares the final test report. Knowledge: of environmental test procedures. Ability: to communicate orally and in writing with sponsors of the test programs; in working as a member of a team in performing environmental testing of ordnance items. Status eligibles may apply.

No. 623-125, Electronics Tech., DT-856-1/2, Code 6231 — This position is located in the Electro-Optical Branch, Instrumentation Division, Range Department. The incumbent operates, maintains and provides limited design and development of highly

specialized optical and electronics device to gather test data for the ranges; performs work using specialized optical and video equipment, and improvises new methods and techniques for using such equipment. Assists in planning and conducting field tests. Typical equipment used within the branch, but not restricted to are various medium and high speed cameras, specialized shuttered video cameras, recorders. This position has emphasis on optical equipment calibration, such as theodolite instruments. Knowledge: of photo-optical and electro-optical systems and their uses for gathering field test data; of current field instrumentation technology; range operations, modern weapons systems and test and evaluation operations. Ability: to support a specific project/program. Promotion potential to DT-3.

## Reassignment opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applicants must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

No. 31-234, Interdisciplinary Electronics Engineer/Physicist, DP-855/1310-2/3, Code 3158 — This position is in the Target Recognition Systems Branch, Targeting Division, Aircraft Weapons Integration Department. The incumbent will develop algorithms for the Harpoon Target Selection System (TSS). Some knowledge of signal processing including statistical pattern recognition is required. A background in software language is needed. Some previous experience in radar technology is desirable to correct deficiencies in this area. The ability to communicate orally and in writing is also needed. To apply, send SF-171 to Bill Capps, Code 3158, ext. 3531. Previous applicants need not reapply.

No. 31-238, Interdisciplinary Electronics/Computer Scientist, DP-1550-2/3, Code 3158 — This position is in the Target Recognition Systems Branch, Targeting Division Aircraft Weapons Integration Department. The incumbent will develop design specifications for new Harpoon Missile Tactical Computer and potential new data bus to handle target selection capabilities. Will develop architecture for computer systems and interface requirements and translate algorithms from VAX environments to Harpoon Missile Federated Processor. Applicant should have some experience with computer languages such as ADA and Assembly Code. A background in VHSIC circuit design is desired but not required. To apply, send SF-171 to Bill Capps, Code 3158, ext. 3531. Previous applicants need not reapply.

No. 31-240, Interdisciplinary, (Computer Scientist/Physicist/Electronics Engineer), DP-1550/1310/855-2/3, Code 31144 — This position is in the Facility Operations Section which is located in the F-18 Facility Branch, Avionic Facilities Division of the Aircraft Weapons Integration Department. The F-18 Facility Branch provides the simulation/integration test environment and workstations for the development, test, validation, verification and modification of operational flight programs exercised in the tactical computers of the F-18 aircraft. The incumbent will be responsible to section head for the planning, operations, and maintenance of F-18 WSSF real-time simulation laboratory systems. The prime function of this position will be to technically supervise and coordinate daily WSSF operations including computer and workstation test operations; facility documentation efforts including software and hardware; coordination with other branch sections to efficiently schedule facility resources; establish and maintain computer security policies; provide operating system expertise for DEC RSX-11 and VMS systems; procure ADPE and

material equipment. To apply for this position forward an up-to-date SF-171 to B. Mierta, Code 31102, ext. 5219. NWC. Previous applicants need not reapply.

No. 31-247, (2 vacancies), Interdisciplinary, (General Engineer/Physicist/Mathematician/Electronics Engineer), DP-801/1310/1520/855-2/3, Code 3142 — This position is located in the Avionics Integration Branch. The incumbent will be responsible for portions of navigation system performance, test, analysis interface design specification for the A-6E aircraft. These duties will include planning navigations system tests, analyzing the performance data, comparison of performance to specifications, and reporting on system acceptability. Applicants should have knowledge of basic navigation principles, data analysis, and avionics interface design practices. To apply for this position, send your updated SF-171 to M.R. Rindt, Code 3142, NWC ext. 5575.

No. 31-248, Electronics Engineer, DP-855-2/3, Code 3113 — This position is located in the AH-1 Facility Section of the A-7 Facility Branch, Avionic Facilities Division of the Aircraft Weapons Integration Department. The AH-1 Facility will provide the support facilities necessary for the validation, verification and maintenance of Operational Flight Programs for the embedded computers and support new system integration tasks for the AH-1 Helicopter. The incumbent will be the AH-1 Facility Lead Hardware Engineer responsible for requirements analysis, design and implementation of the custom hardware for the AH-1 Facility. The incumbent will be technically responsible for tasks and milestones performed by others. To apply for this position, send an up-to-date SF-171 to B. Mierta, Code 31102, NWC ext. 5219.

No. 31-249, Interdisciplinary, Computer Scientist/Physicist/Electronics/Mechanical/General/Aerospace Engineer/Mathematician, DP-1550/1310/855/830/801/861/1520-2/3, Code 3112 — Position is that of A-6F Facility Project Engineer, A-6 Facility Branch, Avionic Facilities Division, Aircraft Weapons Integration Department. The incumbent will be responsible for overseeing the design, development and operations of a new facility and validation and development of A-6F avionics software. Incumbent will participate in staffing the project team; interface with the A-6F program office, system engineers, contractors etc.; plan, coordinate, and monitor project progress. Applicant should have good planning, scheduling and organizational skills; knowledge of good software and hardware engineering practices. Knowledge of modern avionics systems, real-time simulations and VAX computer systems is

highly desirable. To apply for this position send an up-to-date SF-171 to B. Mierta, Code 31102, NWC ext. 5219.

No. 31-250, Interdisciplinary, (Computer Scientist/Mathematician/Physicist/General Engineer), DP-1550/1520/1310/801-2/3, Code 3115 — This position is located in the Software Engineering Environment Branch, Avionics Facilities Division, Aircraft Weapons Integration Department. The incumbent will perform as System Manager for a DEC VAX 11/785 clustered computer facility. Responsibilities for this position include system monitoring, trouble shooting, tuning, configuration and development; system software upgrades; development and maintenance of system software required to interface system hardware; and user consultation and help. To apply for this position send an updated copy of the SF-171 to B. Mierta, Code 31102, NWC ext. 5651.

No. 32-191, Aerospace/Mechanical Engineer, DP-830/861-2/3, Code 3275 — Analyzes, designs and develops control actuator systems for missile applications, with special emphasis on hardware development and system support in the area of electromechanical and pneumatic actuators and controllers. Responsible for plans, coordination and direction of both technology base and application activity and for maintaining close contact with sponsors, program offices and industry. Submit an updated SF-171 to Ron Dettling, Code 3275.

No. 32-192, Interdisciplinary, (Civil/Chemical Engineer/Physicist), DP-810/893/1310-2/3, Code 3274 (2 vacancies) — Responsible for developing and providing concepts to reduce the violence of cookoff reaction of ordnance exposed to accidental fires. Responsible for supporting insensitive propulsion program to achieve propulsion hazard reductions from bullet/fragment impact, drop, and blast effects. Work includes theoretical analysis and empirical testing of concepts. Submit an updated SF-171 to Ray Feist, Code 3274.

No. 32-193, Interdisciplinary,

(Mechanical/Aerospace/Electrical Engineer, DP-830/861/850-2/3, Code 3273 — This position is located in the Systems missile adaption programs and will be responsible for the design, development and evaluation of missile flight control and propulsion subsystems. The effort involves hands-on hardware work relating to both major missile development applications and technology base programs and includes definition and coordination of missile hardware and software interfaces with the Navy's Vertical Launcher System. Submit an updated SF-171 to Bob Dillinger, Code 3273.

No. 35-096R, Interdisciplinary, (General/Electronics/Mechanical/Aerospace Engineer), DP-801/855/830/861-2/3, Code 35404 — Serves as Contracting Officer's Technical Representative for the Training Range Electronic Warfare Simulators (TREWSS) Support Contract. The TREWS Contract is in place and is a delivery orders type contract. Various organizational groups within the Electronic Warfare Department will request support by the TREWS Contract. Promotion potential: DP-3. To apply send an updated SF-171 to Joseph Seibold, Code 35404, NWC ext. 2951.

No. 36-299, Interdisciplinary, (Computer Scientist/Electronics Engineer/Mathematician/Physicist, DP-1660/855/1520/1310-1/2/3, Code 36222 — Incumbent will be responsible for the design and development of test methods and programs for 68000 based, multiple processor real-time software. Tests will be conducted on the bench, in the field, and in the air. Test programs will be implemented in 6800 Assembly and Pascal on a Tektronix Development System and VAX 780. Incumbent will become familiar with both the hardware and software designs. Willingness to work closely with hardware and software, knowledge of good programming practices, and ability to work as a team member desirable. Submit current SF-171 to Cheryl Preul, Code 36209.

No. 39-110, Multidisciplinary, Engineer/Physicist/Mathematician, DP-2/3, Code 3913 — This position is located in the Cruise Missile Systems Branch of the Weapons Synthesis Division. The incumbent will utilize analytical and mathematical skills to develop computer simulations of the Tomahawk and advanced cruise missile systems. Incumbent will be

responsible for using the simulation models to perform design and evaluate investigations and advanced concepts studies for the Tomahawk system and follow on cruise missile systems. Experience with realtime programs and VAX computers is desirable. Submit a current SF-171 to Tom Rindt, Code 3913, NWC ext. 3493. Promotion potential to DP-3. Two vacancies available.

## Notice Regarding Training Class Locations

During the next few months while the Training Center is temporarily closed, classes will take place in various locations in the valley. Notification of the exact location and directions on how to get there will be attached to the copy of your training request sent back to you indicating the approval of your enrollment.

There have been a few instances where the student has not received the enrollment approval prior to the start of the class, leading to lost time and effort trying to find the class.

If you have not received an enrollment form by 1 p.m. on the day prior to the start of a class you are planning to attend, call the appropriate number (listed below) to verify your enrollment status and the exact location of the class.

Professional/Technical	NWC ext. 2359
Supervisory/Management	NWC ext. 2349
Safety/Security/Supply	NWC ext. 2349
General Skills/Clerical/EEO	NWC ext. 2686
Academic/Trades	NWC ext. 2648

## Center pays Cerro Coso tuition for job-related courses taken

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

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

If a course is not directly job-related, submit NAVWPNCEN 12410/66, Academic,

Enrollment Justification and NAVWPNCEN 12410/66, Individual Development Plan, describing how the course fits into your overall career plan and how attendance at the course will strengthen your contribution to the Center's mission.

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

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

## Engineering advisor slates Center visit

Professor Len Spunt of Cal-State University Northridge will be on-Center December 2 to advise current and prospective students in the external degree program offered by the school in applied mechanics and mechanical engineering. Cal-State University Northridge has external degree programs in electrical engineering and mechanical engineering at NWC which lead to a master's degree. Those who wish to see Professor Spunt are asked to make an appointment by telephoning Kelly Newton at NWC, ext. 2648.

## Northridge advisor on board Dec. 2

Dr. Jagdish Prabhakar of Cal-State University Northridge will be on-Center Monday, Dec. 2, to advise current and prospective students in the external degree programs offered by the school.

Cal-State University Northridge has external 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.

## TMC final exam

All students finishing the Technical Manager's Certificate Program are eligible to take the final examination for the program. The examination will be given from 7:30 to 11:30 a.m. on Tuesday, Nov. 26 at the Chart Room of the Commissioned Officers' Mess.

## 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 1/2/3/4/5/7/8/9; 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. 00-021, Secretary (Typing), GS-318-4/5, Code 02 — The incumbent provides secretarial support to the Office of the Chief Staff Officer. This is a part-time position. Promotion potential to GS-5, but not guaranteed.

No. 26-206, Secretary (Typing), GS-318-3/4, Code 2692 — Incumbent provides secretarial support to the Environmental

No. 39-115, Secretary (Typing), GS-318-4/5, Code 3944 — Provides secretarial support to the Air-to-Air Guidance Branch. Promotion potential is GS-5.

No. 39-118, Secretary (Typing), GS-318-5/6, Code 395 — This position provides secretarial support to the Radio Frequency Division. Status eligibles may apply. Promotion potential to GS-6, but not guaranteed.

\*\* To enroll in this plan, you must be or become a member of the Federal Managers Association. To be eligible for membership in the Association, you must be a Federal employee who performs the full range of supervisory duties.

PLAN	OPTION			
	High Self	High Family	Low Self	Low Family
Aetna.....	\$22.59	\$33.99	\$ 6.51	\$13.93
AFGE.....	15.87	32.49	9.56	19.67
Alliance.....	9.53	35.18	5.97	16.07
APWU.....	14.66	28.66		
Blue Cross/Blue Shield.....	30.61	66.13	6.62	15.96
GEHA.....	10.75	19.92		
Mail Handlers.....	5.07	13.11	3.13	7.42
NAGE.....	12.69	32.06	6.86	16.37
NALC.....	16.56	28.02		
NFFE.....	17.81	42.63	12.23	29.82
NTEU.....	17.94	43.02	8.26	19.56
Postal Supervisors.....	9.39	25.11		
Postmasters.....	29.19	61.44	7.05	18.83
Federal Managers Association**.....	16.86	41.83		