

Oasis Club wins

Winner of the 1987 California "Take Pride in America" program for outstanding stewardship of public and private lands in the private land category was the Oasis Garden Club of Indian Wells Valley. The group now moves into national competition.

The club entry was for the 1986 and 1987 participation in the Nature Conservancy's "Kern River Reforestation Project."

In 1986, volunteers from the Oasis Garden Club joined with those from other groups to plant 2,300 red willow and Fremont's cottonwood trees in the "Instant Riparian Forest" to enlarge the habitat for an endangered bird species, the Yellow-billed Cuckoo.

In 1987, two different sites were planted, covering 65 acres and 5,000 trees.

The objectives of the Oasis Garden Club are to create, promote and further interest in amateur gardening, in plant and animal life, and in the natural beauties of California and the nation.

Anyone interested in learning more about the Oasis Garden Club or in joining is asked to telephone either Merrilee Ray, 377-5230, or Geneva Peachie, 377-4531.

New roofs

Residents of 53 houses in the Site A Capehart housing will get a holiday gift - their residences will get new roofs.

Each resident will be notified when the house is scheduled to be done.



CONCERN FOR OTHERS — Sgt. Ted E. Bear and Admiral Bird join Marine Corps Staff Sergeant Kevin Henry and his wife, Sally, in holding some of the home-made toys that Mrs. Henry made to give to the Toys for Tots campaign. New, unwrapped toys are still being sought to brighten the holidays for youngsters; they can be dropped into collection boxes in the lobbies of Michelson Laboratory, the Headquarters Building, the three clubs, and various boxes in town until close of business Thursday. At that time, local Marines and volunteers will collect and sort the toys that will go to needy youngsters in the Indian Wells Valley.

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Safety program

Courtesy on the freeways and how this helps a driver from becoming a freeway shooting victim will be discussed at the annual traffic safety seminars held at the Center theater on Tuesday, Dec. 15. One will be held from 10 to 11 a.m.; the second, from 2 to 3 p.m. California Highway Patrol Officer Kim Ambrecht will be the guest speaker.

All China Lakers and their dependents are invited to attend either seminar.



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Halsey wins annual
Skaar Award—P-3

Boy Scouts raced
Scoutmobiles—P-11

NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLII, No. 49/December 11, 1987

NWC test pleases space agency

Crews flying future missions in the National Aeronautics and Space Administration's (NASA) space shuttle may have better survival chances in cases of emergencies because of work done at the Naval Weapons Center.

Tuesday afternoon NASA tested a tractor rocket crew extraction system high above NWC's G-Range. The successful flight test, fourth in a series of 12 to be done here, extracted an articulated dummy through an open hatch and deployed a recovery parachute.

"We feel real good about what we saw in today's test," commented NASA officials. Representatives of the contractor doing the work noted these tests were primarily designed to prove adequate clearance from the airframe of the shuttle using tractor rocket extraction.

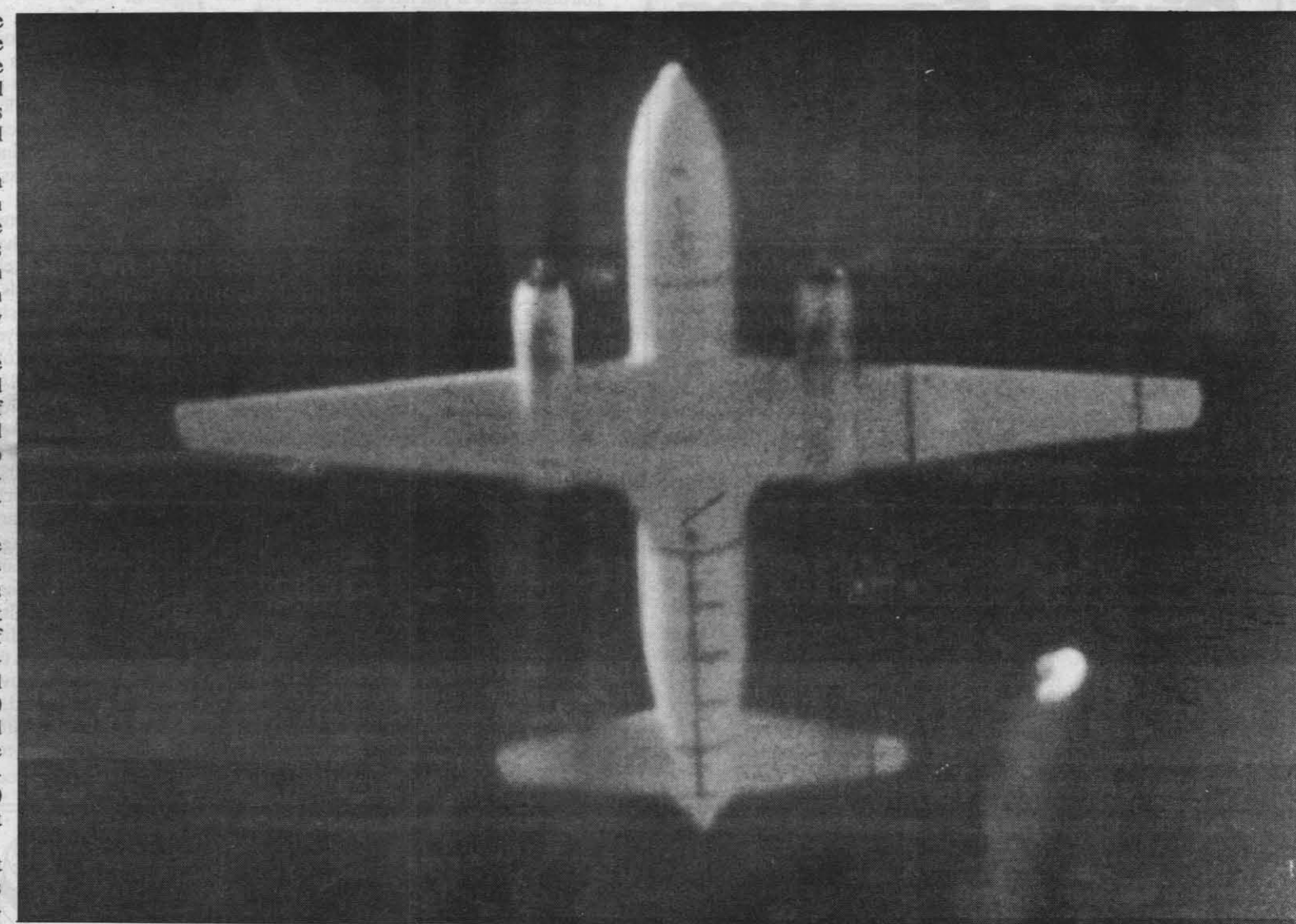
Rusty Bates, NWC manager of the Shuttle Crew Escape Equipment System Program in the Aerosystems Department, said this test took place at about 20,000 feet and at an airspeed of about 220 knots. The parachute system being developed at NWC would not open the main chute above 14,000 feet, but officials said the crew could start the emergency egress procedure as high as 100,000 feet, actually leaving the shuttle as high as about 30,000 feet, thanks to improved life support systems.

Bates and NASA officials present for the test, stressed this system was designed to provide crew escape capability during controlled gliding flight. It would not have been a viable means of survival for shuttle crew members in an accident such as the one that destroyed the shuttle Challenger in 1985.

"This is primarily a ditching avoidance method for when the shuttle cannot reach a safe landing area," said Bates. The limited escape system would, for example, be used when faced with ditching in the ocean because the shuttle's main engines failed and orbit could not be achieved.

Bill Chandler, Crew Escape System Project Manager for NASA, said the modifications to the shuttle vehicle itself to accommodate some type of escape system were nearly 75 percent complete. The shuttle will need a side hatch removal system to clear the escape path for the extractor system or

(Continued on Page 14)



SHUTTLE TEST—On the end of the burning tractor rocket seen above is an articulated dummy used in tests of a space shuttle crew escape system at the Naval Weapons Center early this week. The dummy was extracted from a modified Convair 240 aircraft.

U.S. Navy Photograph

Lee ends career with special honor

Very few Center personnel earn a Navy Meritorious Civilian Service Award; for someone to win it while working as an annuitant is nearly unheard of, yet, Dr. Steve Lee did exactly that. The award was presented by Capt. Gene Allen, Deputy Test and Evaluation Director, last Thursday evening.

The Navy Meritorious Civilian

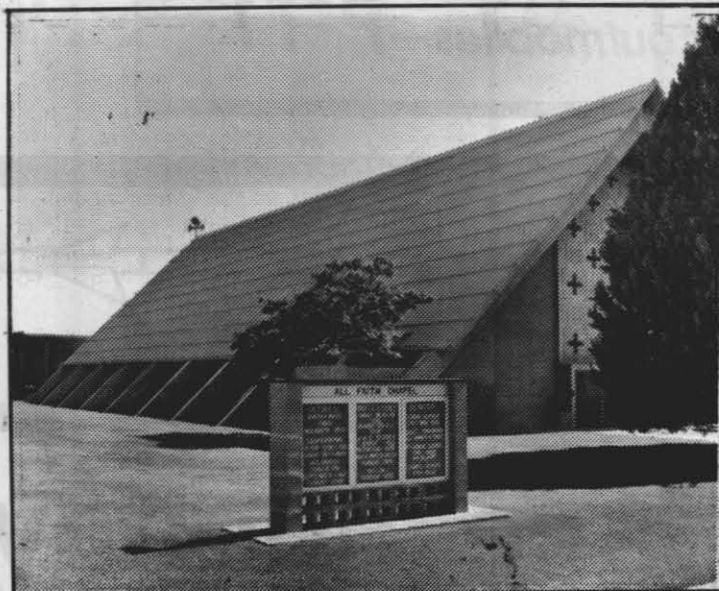
Service Award, consisting of a medal, citation and letter, is the highest award that can be granted by the Commander of a facility. It was given to Dr. Lee for his work with the Training Center.

Capt. Allen noted that he was especially pleased at being able to make the presentation on behalf of Center Commander Capt. John Burt because he believed that the

work done by Dr. Lee that earned him the award benefited sailors as well as civilians on board.

Following his initial retirement from Center employment as a mathematician in 1981, Dr. Lee moved to the Human Resources Development Division of the Personnel Department and began his efforts to strengthen the academic programs.

The letter of nomination for the award written by Eva Bien, head of the Personnel Department, notes that "His advice and personal influence were invaluable in convincing colleges and universities to add an undergraduate pre-engineering program, a B.S. program in Electrical Engineering, and a master's program in



Divine Services

Protestant

Sunday Worship Service 10:30 a.m.
 Sunday School (September thru June) 9:00 a.m.
 Bible Study (East Wing)
 Wednesday 11:30 a.m. (September thru June)
 Thursday 6:15 a.m. Men's Prayer Breakfast
 7:00 p.m. Officer's Christian Fellowship
 Christian Military Fellowship

Islamic

Jumaa Prayer (Friday in Annex 4) 12:00 p.m.

Roman Catholic

Sunday Mass 9:00 a.m.
 Communion Service (Monday) 11:35 a.m.
 Daily Mass (Tuesday thru Friday) 11:35 a.m.
 Confession (Friday) 4:30-5:00 p.m.
 Confession (Sunday) 8:15-8:45 a.m.
 Religious Education Classes (Sunday) 10:30 a.m.
 (September thru May)

Jewish

Weekly Services (Friday - East Wing) 7:30 p.m.
 Adult Hebrew Lessons (Saturday in Annex 4) 9:00-10:00 a.m.
 Sabbath School (Annex 4) 1:00-4:00 p.m.

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NWC's Wellness Corner

Lunchtime — and when it's necessary to work through lunch — can be the downfall of anyone contemplating a nutritious and healthy diet. It's always so easy to munch on junk food!

Betty Miller, Wellness Program Coordinator, asked three local registered dietitians what suggestions they had about nutritious snacks to keep tucked into a desk drawer for the unexpected times of working through lunch or for times when "the munchies" strike.

Jennifer Class-Mitchells recommends fruit, crackers, nuts, dried fruit, homemade granola, cereal, salt-free pretzels, bread sticks and small cans of juice.

Amy Carroll of the Drummond Medical Group proposes fruit, canned fruit (in its own juice), snack-pack applesauce, weight-watchers fruit snacks, low fat crackers (such as saltines, Finn, Kavli, Wasa, or melba toast), cereal, animal crackers, graham crackers, and vanilla wafers.

Lorraine Batty of the Ridgecrest

Community Hospital suggests dried fruit, jerky, peanut butter, trail mix (nuts and raisins), fruit such as oranges and green bananas, cans or cartons of juice, and whatever foods you might take camping or backpacking.

In any case, it's necessary to plan ahead and try to combine carbohydrates, proteins and fats in the proper amounts.

Mrs. Miller now has a new telephone number. She can be reached at NWC ext. 6510.

Flu, cold season arrives

You don't know if you have a cold, the flu or just an allergy. All you know is you're miserable.

There are three ways to tell the three apart, according to Army Dr. (Lt. Col.) William J. Meinert. He heads the Department of Family Practice at the Uniformed Services University of the Health Sciences, Bethesda, Md., and treats patients at DeWitt Army Community Hospital, Fort Belvoir, Va.

Timing is one. "Allergies are usually seasonal. Hay fever sufferers have problems in the spring and early fall. People who are allergic to dust and mold suffer most in the winter, particularly if they have a forced-air heating system," said Meinert.

Colds, on the other hand, are most common from the beginning of the school year in the fall through spring, peaking in the coldest months of January and February. The flu, or influenza, strikes as an epidemic, usually starting in November and continuing through the winter.

Symptoms are another way to tell the differences among the three. Allergy symptoms are limited to congestion, watery eyes and an irritated throat. In addition to these, cold sufferers may often have mild aches and a low fever. The flu is usually more severe, with a sudden, high fever,

chills and sweating, cough, muscle aches and pains and headache.

The "common cold" is common. Americans suffer 1 billion colds a year. People don't get more colds in cold weather because getting chilled can give them colds, said Meinert. People live closer together in the winter, passing colds in the best way possible — from hand to hand.

"Although you can get a cold from the droplets released in the air when someone sneezes, you're more likely to get it from touching their hands," said Meinert. Often unconsciously, cold sufferers wipe their runny eyes and then touch their neighbors. Cold germs can survive up to three hours on telephone receivers and other surfaces.

The most innocent faces belong to the most guilty parties when it comes to spreading colds. Children, particularly young children in day care, nursery school and kindergarten, get — and spread — more colds than any other group in the population. "Young children get from eight to 10 colds a year," said Meinert. "Unless grandma sees her grandchildren often, she's the least likely to get a cold — people over 65 have fewer colds," he added.

Although colds are seldom life-threatening, Meinert suggest you see a doctor if the infection gets in your

lungs or if you develop a fever or severe sore throat. If your mucus is yellow or green, you probably have a bacterial infection that can be treated with antibiotics.

You should watch your baby carefully if he or she has a cold. If you believe the baby has an earache or a sore throat, take him or her to a doctor. Untreated ear infections can lead to deafness. Sore throats can mean a strep infection — which can lead to rheumatic fever, which damages the heart. Said Meinert, "We probably do more strep throat cultures than we need to — but it pays off because rheumatic fever is now rare in this country."

Croup is another common cold complication for children until about the age of 3. "If your baby is 'barking,' take him to the doctor. Usually the cold air hitting him on the way to the car is enough to stop the croup, but it's best not to take chances," said Meinert. Sitting with your baby in a steamy bathroom will also stop the croup.

The military services usually vaccinate against flu in the middle of October. This year, military people received shots protecting against the A/Taiwan, A/Leningrad and B/Ann Arbor influenza viruses. According to Meinert, "You can't fight a war if half your people have the flu, but the flu is not usually dangerous to healthy young men and women."

"The flu can be life-threatening to the very young, very old and chronically ill," said Meinert. Flu can progress to pneumonia, which can be fatal if not treated. Pneumonia usually strikes suddenly, with shaking chills and sharp pain in the chest. The lungs are congested, and fever can rise to 105 degrees Fahrenheit.

Therefore, the Public Health Service's Atlanta-based Centers for Disease Control recommends flu shots for people with diabetes, cancer or kidney, liver or lung disease, any one over 65 and health care workers. Meinert also recommends flu shots for smokers and children with any chronic disease. For those who can't get flu shots because of an egg allergy or pregnancy, the drug amantadine can prevent flu if given before exposure or lessen its severity if given after exposure.

By Evelyn D. Harris, American Forces Information Service

test. . .



Story by Steve Boster

Photos By Steve Boster and Mickey Strang



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SYSTEM TEST—Wally McDonnell (top left), owner of the Convair 240 used in the crew escape system test describes the sequence of events after the flight. Astronaut Jim Bagian (above) stands in front of the simulated shuttle hatch. And, (left) members of the news media set up cameras to record Tuesday's test at NWC.

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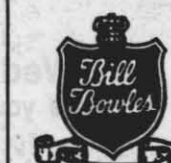
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Shuttle crew escape system

(Continued from Page 13)

has flown two shuttle missions, said there are continuing studies on the feasibility of a crew escape systems to be used during powered flight.

Concepts still under consideration include a couple of ejection systems, seated extraction and free bailout. All of these would probably require major modifications to the shuttle. Once NASA completes its studies, Rock-

well, the prime shuttle contractor, will conduct its own studies on modification of the space vehicle.

Project officials and the two astronauts explained the extraction method was developed rather than ejection seats because it was feasible, able to be developed quickly and was affordable.

If it were to be used in an emergency, the shuttle crew would come to the

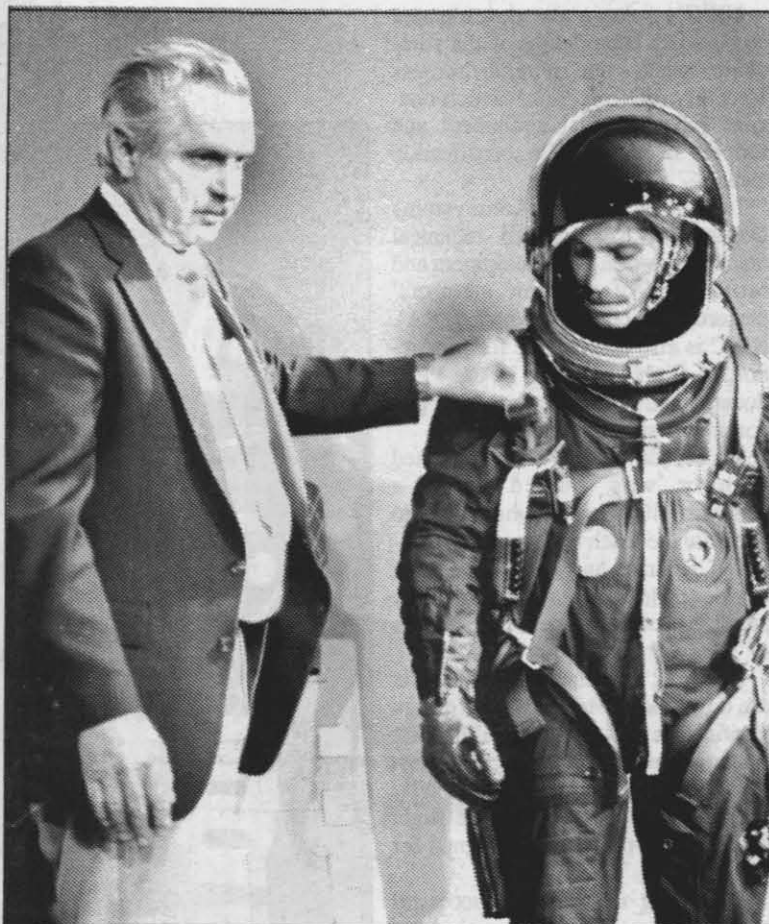
mid-deck where the hatch would be blown off and thrust clear of the vehicle with explosive charges. The crew members would then, one at a time, lie down on a little ramp, hook their parachute harness onto a personal extraction rocket, pull a handle, then be pulled clear of the shuttle by the rocket. Nagelle said the entire process, for an eight person crew, would take about two minutes.

From the time the crew member pulls the handle to ignite the tractor rocket, the entire system can function automatically to the point of inflating a personal floating device.

The first flight test at NWC was Nov. 19 and the final certification test is slated for April of next year. Once the system is certified it is, noted NASA's Chandler, up to the program manager at the Johnson Space Center

to decide what type, if any, escape system will be installed in Discovery for the June, 1988 mission.

ROCKET RING—A NASA official shows where the tractor rocket extraction system would be linked to shuttle crew members on the flight uniform worn by Jim Baglan.



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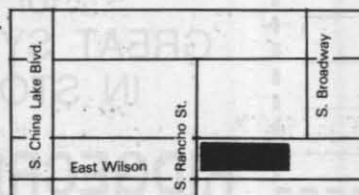


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'Revolving door' being closed by Pentagon

In recent years, the Department of Defense has taken steps to slow the "revolving door" that had allowed DOD officials to leave government service and immediately start work with defense contractors they had worked with as part of their official duties.

Most of the concern was directed toward procurement officials whose actions might have been guided more by lining up lucrative jobs with defense contractors than getting the best deal for the government.

In 1985, Congress passed a law aimed at ensuring that senior officials didn't get too cozy with defense contractors. Now, in response to a new law, DOD has updated its standards-of-conduct regulations to further refine employment restrictions.

Air Force Lt. Col. Michael B. Lumbard, an attorney-advisor within the DOD General Counsel's office, noted that there are two categories that determine who can and cannot go to work for certain defense contractors.

In the first category are civilians in a grade which pays an equivalent of GS-13 or higher and military personnel in pay grade O-4 and above. These individuals are restricted from accepting compensation from certain defense contractors if they:

- Spent the majority of their working days during the last two years of DOD service performing a procurement function relating to a DOD contract, at a site or plant that was owned or operated by a contractor and which was the principal location of their performance of that procurement function; or

- Performed a procurement function relating to a major defense system on the majority of their working days during the last two years of DOD service and "personally and substantially" participated in decision-making responsibilities for that system through contact with the contractor.

The second category includes those individuals who served in a pay grade to a Senior Executive Service position

or higher (which includes most political appointees, for instance) and individuals who served as a member of the armed forces in the pay grade of O-7 or higher. These individuals are restricted if they:

- Acted as a primary representative of the United States in the negotiation of a contract of more than \$10 million; or

- Acted as the primary representative of the United States in the negotiation of a settlement of an unresolved claim of a defense contractor in an amount in excess of \$10 million.

Lumbard said the new law went into effect April 16 and the new DOD guidelines are intended to clarify terms used in the law.

"We foresaw a lot of problems with implementing certain provisions," said Lumbard. "There was a real need to have our DOD component organizations uniformly apply the restrictions to all our DOD officers and employees. It also was a question of interpretation. For instance, we went

back and defined 'work day.' There was no definition provided in the law and it was open to so many different definitions."

The new law broadens the number of people covered, but there is no clear indication yet of how many will be affected. For instance, the previous law covered only presidential appointees.

The new law and directive apply to those earning an amount equal to the minimum rate of pay of a GS-13, which means some GS-12s in higher steps may be covered. The same rule applies to that section covering Senior Executive Service employees and higher.

DOD and the services have also assigned designated agency ethics officers — lawyers — to provide guidance and advice on whether or not an individual is covered under the law or regulations. A legal opinion given by these attorneys that certain individuals are not under the law will help protect the former DOD employee later.

"But it's important to note that if an individual is restricted by the law, the restriction applies only to that particular contractor," stressed Lumbard. "It doesn't mean they can't work for any of the other defense contractors, as long as they don't fall under the restrictions."

Contractors who knowingly hire former DOD officials in violation of these provisions are subject to fines up to \$500,000. Former employees who knowingly violate the prohibitions are subject to civil fines of up to \$250,000. Previously the fine for presidential appointees violating the law was only \$5,000.

In the future, contractors and recently separated employees in the covered categories will be required to furnish reports to DOD concerning their employment records: "This will provide a system of enforcement," said Lumbard.

By Tom Joyce — American Forces Information Service

Rainfall increasing regularly at China Lake

"China Lake is no longer clearly a desert," says weather forecaster John Gibson. "Technically, it's becoming a steppe."

Gibson says that he's been looking at weather records that have been kept in the local area for more than the past four decades, and that there's a clear

pattern emerging of increasing rainfall.

"In the 1946-49 period, rainfall averaged 2.48 inches a year," he says. He continues, "In the 1950-59 period, it averaged 2.26 inches annually; in the 60s, 3.85 inches; and by the 70s,

4.69 inches. From 1980 to 1987, that average annual rainfall was 4.99 inches, which, by some climatological scales, puts China Lake into the definition of a steppe, not a desert."

Gibson feels that the weather changes he's observed locally are only part of a much larger picture.

"Have you noticed how many 100-year-old records are being broken not just in this country but throughout the world?" he asks. "I think that the decade of the 40s may have been at the bottom (or maybe the top) of some weather cycle that the world is now just coming out of."

He refuses to speculate about how long a cycle that might be, or where it will go. "At times in the past this valley has been under water," he notes, "but I don't think any of us living here now need to worry that we'll see that happen in our lifetime."

Carl Halsey wins Firing Officer's Award

Carl Halsey became the fifth China Laker to earn the Kit Skaar Firing Officer Award when Capt. John Burt, NWC Commander, made the presentation last Friday.

A veteran China Lake employee, Halsey, now branch head for the Ordnance Systems Department's Ordnance Evaluations Branch, first came to the area in 1949, then spent four years in the Air Force before coming back to the then Naval Ordnance Test Station (NOTS). Aside from about six years at the NOTS Pasadena Annex, he's remained here ever since.

In earning the Kit Skaar Award, Halsey joins an elite group of firing officers at the Naval Weapons Center who have been recognized for their outstanding contribution to safety and the NWC mission through their firing office duties.

The letter recognizing his accomplishment read in part, "For many years, all tests performed by you have exemplified the very high standards of safety, professionalism and resourcefulness that characterize the Firing Officers Program. Those tests have contributed to the excellent safety record of missiles and other ordnance systems research, development, test and evaluation."

Roy Parris, head, Safety and Security Department, noted there have

been 19 firing officer classes for more than 400 Center employees since the program was instituted in 1973.

Capt. Burt told the those attending the presentation of the Center's need

for safe procedures. "Every time we delay the data or compromise the quality of the data (from R,D,T&E projects) with unsafe practices we're not doing our job," he added. "Safe-

ty," stressed the Skipper, "is a very important part of what we do in our business."

Parris said 13 of the 14 years since starting the firing officer program

have been free of injury accidents during ordnance firing operations at NWC.

In addition to Halsey's award, special Command recognition went to Albert (Blackie) Blackmon in the Range Department for his outstanding contributions to safety. Capt. Burt noted Blackmon was a close runner up to Halsey for the Skaar Award and said, "your nomination was in recognition of your exemplary performance as a firing officer."

Don Zurn, recently retired from NWC, was honored with a 10-year firing officer certificate while David Fisher and Rodney Robbs, from the Range Department's Warhead Test Branch were presented five-year certificates. Tom Bloese, unable to be present, also earned a five-year certificate.

Also recognized during the ceremonies were former Skaar Award winners: Edmund Regan, Harold Parsons, Robert Rasmussen and Soliman Martin.

Skaar, former head of the Safety Department, established the firing officer program to train and certify individuals at NWC to take the lead in safety for ordnance operations. Skaar, now retired, missed the awards ceremony for the first time since it was established in 1983.



SKAAR AWARD—Capt. John Burt presents the Kit Skaar Award to Carl Halsey while Marie Halsey looks on.



China Lake Police Reports

Officers on patrol discovered a motorcycle that had been reported stolen in Ridgecrest. Ridgecrest police officers responded and made the recovery.

A bicycle was reported stolen from the BEQ.

A briefcase was found at Post 18. It can be reclaimed at the police station.

A bicycle was found at the Chief Petty Officers' Mess. It can be reclaimed at the police station.

At 6:30 p.m. a military husband and his wife got into enough of a family disturbance at their home in the Site A Capeharts so that they were both arrested. Police transported their three small children to Bakersfield to a care facility.

A bicycle was stolen from the bike rack at Michelson Laboratory.

One Center employee and someone not working on board who taking unauthorized pictures on the Randsburg Wash Road, 1/4 mile east of the Trona Road, had their film confiscated and given to NSIC.

A Center employee found a cardboard box containing government property at Knox and Blandy and turned it over to the police.

Police are holding for safekeeping (or return to its owner) a bicycle that had been found on the south side of Richmond School.

A key ring with assorted keys was found in Michelson Laboratory. It can be reclaimed at the police station.

Personnel at the bowling alley reported a burglar opened a locked safe and stole money from it.

The driver of a vehicle at the intersection of Blandy and Sandquist stopped, saw a car in the distance and pulled out into the intersection. Another car hit his; the car that had been seen in the distance then went chugging by. No injuries were reported, but both cars suffered some damage.

A bicycle was taken from the bike rack at Richmond School.

Residents on Nimitz reported an unknown person removed their portable stereo, a petty theft.

Personnel at the Center theater reported the theft of money.

Insurance needed

In December the California Department of Motor Vehicles will mail a request for written proof of motor vehicle insurance to more than 200,000 motorists who had driver license suspensions placed on hold during a two-year court review of the law requiring such proof.

Motorists cited had either been stopped by a law enforcement officer or had been involved in an accident.

The California Supreme Court has ruled that it is constitutional to require written proof of financial responsibility for drivers of vehicles or mopeds. Those who cannot do so can be fined up to \$240 and can have driving privileges suspended.

A driver stopped for any sort of violation can be asked to show proof of insurance. Acceptable will be any one of four pieces of written evidence: The name of the insurance company and the number of the policy; a certificate of self-insurance issued by the DMV; an insurance covering note as specified by the Insurance Code; or a paper showing

that the vehicle is owned or leased by the United States or any other governmental entity.

Those who admit they do not have the mandatory insurance will get a citation written for violation of the law. If the defendant is convicted, he can be fined up to \$240 and his license ordered suspended, with the suspension becoming effective 60 days after conviction.

To lift the suspension or not have it occur, the driver can, during that 60-day period, obtain a policy and ask his insurance company to provide a California insurance proof certificate to the DMV.

After the 60-day period, the driver can still do that, but he will have to pay a \$15 reissue fee.

Motorists caught driving with a suspended license are subject to imprisonment in a county jail for not more than six months or a fine ranging from \$300 to \$1,000 or both.

Motorists stopped for vehicle violations on board the Naval Weapons Center can be asked to show proof of insurance.

Gaming Society

All those interested in board games, role playing and miniatures are invited to the next Ridgecrest Gaming Club meeting being held at the old County Building on Ridgecrest Boulevard beginning at 4 p.m. tomorrow (Dec. 12). For more information call Chris at 446-6361.



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Escape test...

(Continued from Page 1)

for the other possible solution, a telescoping, spring-loaded pole for crew members to slide down after going through the hatch.

Chandler noted the modifications to the shuttles and the escape system would cost about \$70 million, all of which has been budgeted for this fiscal year.

NWC's role in the development process has been design of the parachute pack, the retainer/harness assembly, life raft pack, (which contains other survival equipment and support of the system certification testing).

In addition, the Aerosystems Department has handled technical management, design, development and certification of the crew members' personal parachute assembly (PPA). NWC is also responsible for production of flight hardware in the PPA, documentation of the product and continued support for them.

In Tuesday's test, the articulated dummy was pulled from a Convair-240 aircraft modified to simulate the hatch opening of an orbiter. Cameras and other tracking devices collected data to be thoroughly analyzed before the next in the series of tests here.

Of the 12 tests planned at NWC, six are development tests, two are design verification tests and the final four are system certification tests. On the last four flights, the dummies will be fully outfitted with the new shuttle flight gear and the parachutes designed for this system.

Following this week's successful test, two astronauts, representing NASA's Astronaut Office on the crew escape project, demonstrated, for an estimated 50 members of the news media, the differences between the new flight gear for all crews and the old flight uniforms.

Astronauts Steve Nagel and Jim Bagian also answered questions about the proposed escape systems, the tests being conducted and what attempts were being made to develop an all-aspect crew escape system.

Nagel, an Air Force colonel who

(Continued on Page 14)



ASTRONAUTS—Representatives of NASA's Astronaut Office, Jim Bagian (seated) and Steve Nagel show the differences between the new shuttle crew flight equipment and the old. Bagian has the new flight uniform on and Nagel the old. Above, Nagel is interviewed by the media following Tuesday's tractor rocket test.

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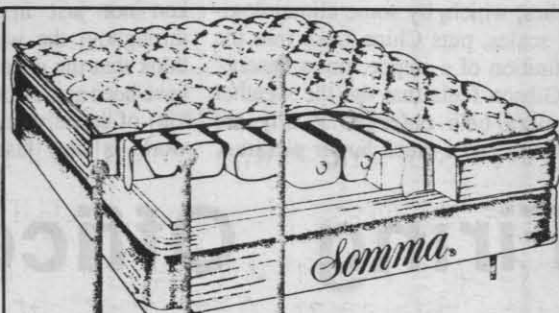
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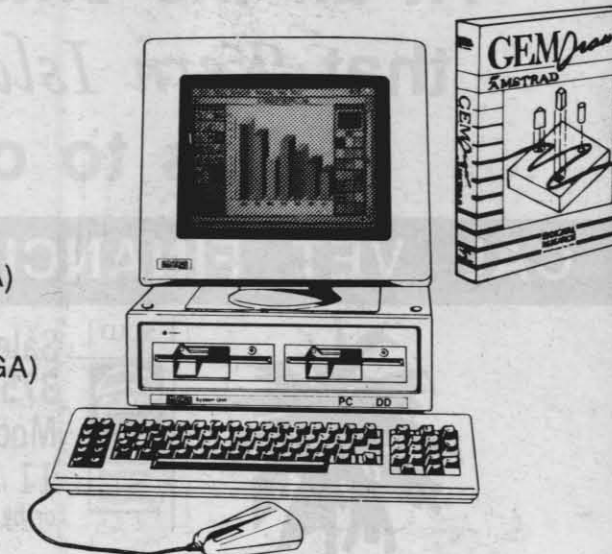
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Scout action. . .

OTHER WAY—A key part of the Scoutmobile competition was the uphill leg of the races on Saturday. At right, one team has a full head of steam going up hill. And, (bottom right) another team picks up their hand-made vehicle and turns it around while the timer looks on.



Photos by Steve Boster

Ron DeBaets, clu

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MIPIs sought enhanced personnel practices

Attempts to use the Model Installation Program Initiative procedure to gain direct hire authority of administrative personnel for the Naval Weapons Center was denied because of legal constraints.

This MIPI would have created an Administrative Junior Professional program to be filled by recent college graduates, similar to the existing scientific and engineering JP Program at NWC.

In disapproving the MIPI, the Office of Personnel Management said the proposal to hire administrative personnel while requiring a college degree was illegal. It also noted these positions were required by law to be filled by employees appointed to the competitive service after passing a civil service exam.

NWC's MIPI noted the Professional Administrative Career Examination (PACE), which had been the primary vehicle for hiring entry level administrative personnel was not being used because of legal challenges alleging PACE was discriminatory. Since then the Center has had Schedule B appointing authority from OPM which allowed only excepted appointments for up to two years in

the admin career field. After the two-year period the employee must compete through OPM for a permanent appointment at a higher level.

It was NWC's desire to avoid the possibility of losing already trained and experienced employees through such competition that led to the MIPI.

Had it been approved, the MIPI was expected to lead to better qualified administrative junior professionals, reduced delays in filling administrative vacancies, avoided the loss of trained excepted employees and avoided the possible perpetual training mode for excepted administrative personnel.

The Naval Weapons Center did win approval of a waiver that allows the Civilian Personnel Department to certify up to 10 candidates for merit staffing, without formal ranking and eliminate the requirement for a crediting plan when fewer than 10 candidates meet the basic qualification requirements for a position.

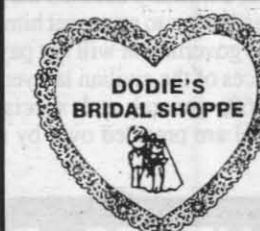
This was a "me too" MIPI for NWC, gaining approval for the Center to use the standardized

methodology in merit staffing as previously approved for the Pacific Missile Test Center at Pt. Mugu.

How to find NWC's MIP Office

Model Installation Program Initiatives can be submitted through the Naval Weapons Center's electronic mail (E-mail) network, through guard mail to Code 02A2, or brought in person to Room 2011 in the Headquarters Building. Additional information is available by calling the MIP Office at NWC ext. 2437 or 2711.

E-mail users should send requests for MIPI forms to:
•SEFB::HAMILTON (Dave Hamilton)
•SEFB::MATHEWSON (Wes Mathewson)
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costs for insurance contained in its basic agreement with the car rental company.

If your travel is outside the United States or the areas mentioned above, the government will reimburse you for the cost of collision damage waiver or personal accident insurance, which most rental car companies overseas require the customer to buy.

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Court-martial conviction may stay on record

This is the final segment in a series of articles on the Uniform Code of Military Justice and the type of trials service members are subject to.

General and special court-martial convictions are considered federal criminal convictions by both military and civilian courts. While officers and enlisted persons may be tried at either type of court-martial, officers rarely are tried by special court-martial because that court cannot award dismissal or any confinement in an officer case. Both courts may adjudge reduction to pay grade E-1 in cases involving enlisted accuseds, and both may adjudge forfeitures of pay in both officer and enlisted cases.

Both courts are empowered to award punitive discharges which terminate military service under less than honorable circumstances and to confine service members. Accuseds at these courts receive the most extensive legal rights and protections. Unlike civilian life where only indi-

gent (poor) accuseds receive free legal representation, all accuseds before general or special courts-martial receive free legal representation by a judge advocate who is a lawyer trained in military law and procedures. This "detailed" counsel is attached to a legal command separate from that of the commander who convenes the court-martial; therefore, this defense counsel is insulated from any improper command influence by the accused's military seniors.

Should an accused desire to be represented by a different military lawyer, he may request the services of that other lawyer through established procedures. If that other lawyer is reasonably available, he will be assigned to represent the accused free of charge. Also, a military accused may hire a civilian lawyer to represent him; however, the government will not pay for the services of the civilian lawyer. Since 1969, general and special courts-martial are presided over by a



military judge who is a judge advocate with extensive military justice experience. This officer is assigned to a judiciary activity which is separate from the local commands which convene courts; thus, like the defense counsel, he too is insulated from influence by local command authorities.

An accused may elect to be tried by this officer alone, without court members taking any part in the proceedings, and if this election is made, the military judge determines guilt or innocence and any sentence to be awarded. The great majority of general and special courts-martial now are tried by military judges sitting alone.

If an accused chooses to be tried by court members, there will be a minimum of five members at a general court-martial and three at a special court-martial. If the accused requests a court which includes enlisted members, at least one-third of either court will be enlisted members. Even in a trial before court members, the mili-

tary judge presides to control the proceedings and rule on the admissibility of evidence.

Procedures for appealing a conviction and sentence in the military differ from civilian procedures in two important respects: certain sentences receive automatic appeals in the military whereas a civilian accused would have to request an appeal and, perhaps more importantly, all military appeals are free of charge to the accused.

A service member who is sentenced to be separated from the service with a punitive discharge or to be confined for more than a year is entitled to an automatic appellate review of the convictions and sentence. During the appellate process, the accused is represented by a military appellate defense counsel who is a judge advocate with extensive military justice and appellate experience.

Cases which include these more serious sentences are reviewed by the (Continued on Page 7)

Area Boy Scouts race up and down the hill



OOPS—Scoutmobile T12 heads for the ditch during races held by Indian Wells Valley Boy Scouts last Saturday afternoon at the Naval Weapons Center.

Boy Scouts from the Indian Wells Valley used Saturday afternoon for some competition in their Scoutmobiles at the Naval Weapons Center.

Getting ready for 1988's Scout-O-Rama, the boys took their turns racing down a small hill near the China Lake Propulsion Plant gate in the quest for race awards. More than one two-person team ended up in the ditch or crashing into a competitor.

The event was timed up the hill as well as downhill (600 feet each way!). After the team completed a downhill run, gravity assisted by pushing power from the tail gunner, they had to pick up the wooden, home-made vehicles, turn around and race back to the starting line, uphill all the way.

Teams spent more than two hours vying for the best time on a day where the wind didn't help them in either direction.

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Aerobics classes

Low impact aerobics classes will be offered by the Recreational Services Department's Sports Branch through Dec., 18.

These classes are open to all, including pregnant women, on a daily basis at \$2.75 per class session. Classes are held Monday, Wednesday and Friday from 11:45 a.m. to 12:45 p.m. in the Gym Annex.

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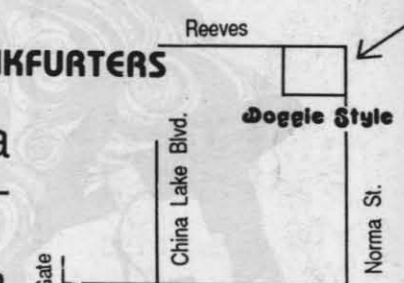
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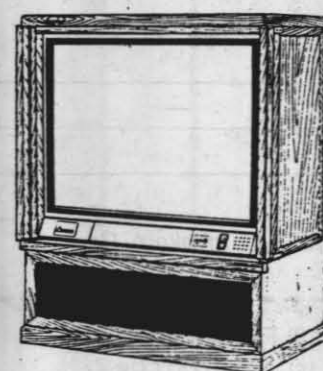


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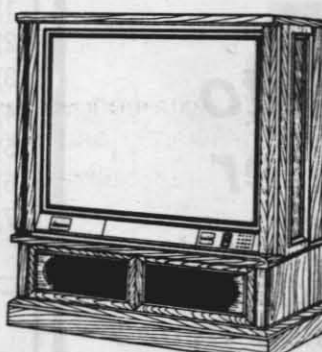
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New Ski Guide tells it all

Skiers who spend the summer dreaming of groomed slopes and winter treks into the mountains will find plenty of practical and useful information in the new "California Ski Guide."

Covering the skiing areas of Southern California, Mammoth Lakes, Central Sierra, Lake Tahoe and Shasta Cascade, just about everything the skier needs to know is featured in this comprehensive guide. There is cur-

rent information on resorts and recreation sites, fees, trails, play areas, parking, cross-country touring centers, reservations, lodging, food,



transportation and apres-ski fun and entertainment. Winter driving tips; skiing techniques; ski, road and weather forecast telephone numbers and much more are also included.

Completely revised and updated for the 1988 season, *California Ski Guide* is a great sourcebook. This fabulous guide is priced at only \$4.95 (postpaid) and can be ordered from High Sierra Adventures, 340 S. Webster Street, Independence, CA 93526.

Anglers enjoy final weeks with more quests for trout and bass

California anglers have only until Dec. 31 to use their current fishing licenses. Starting Jan. 1, they will need the new, more expensive, 1988 license.

Anyone planning on giving a fishing license as a Christmas present should know the cost has risen to \$19 for the 1988 version. This includes the required 50 cent license agent fee.

For anglers who want maximum use of the 1987 license, it's not too late to go after trout in the Owens Valley or the Kern River. Limited planting of catchable rainbow trout by the California Department of Fish and Game is continuing in both areas.

Rains and some snow at higher elevations in the Kern Valley and the Owens Valley discouraged anglers from trying their luck last weekend.

A few anglers dropped lines with red salmon eggs and marshmallows or inflated nightcrawlers and caught a few catfish and a few trout. The Kern River is still being planted with trout from the powerhouse down to the lake and from the dam down to the mouth of Kern Canyon.

There is fair to good fishing reported at Pleasant Valley Reservoir and the Owens River north of Bishop. Also open to fishing are Diaz Lake

south of Lone Pine and the Owens River south of Bishop.

Bass fishing at Lake Isabella is slow thanks to cold weather. Some trout are still being taken from the lake by determined anglers.

Hunters fared somewhat better if they were in the current period of the X-10 hunt, although they did not do as well as the lucky ones who got tags for the S-2 Goodale area. Only a few tags are issued for this hunt, which is for three-point and better, but traditionally everyone who gets one of these tags gets a deer.

Holiday schedule for Center Gym

During this month's holiday season, the Naval Weapons Center Gym will be closed on Christmas Day. The gym will also close at 4:30 p.m. on Dec. 24 and Dec. 31. On New Year's

Day, the Center Gym will be open for use from 11 a.m. to 6 p.m. For additional information on holiday hours call the Sports Branch Office at NWC ext. 2334.

Holiday swim class

Youngsters don't have to spend their Christmas break from school just sitting around and eating holiday goodies. They can take advantage of Winter Swim Classes being offered Dec. 21-31 by the Recreational Services Department's Youth Activities Branch.

The two weeks of swimming instruction give children a chance to catch up on skills learned last summer

and give them a headstart on 1988's swim season. Classes are available for tots, basic beginners and beginners.

All classes will be held at the NWC Indoor Pool. For more information call the Youth Center at NWC ext. 2909. Also, mail-in registration forms for the classes are available at the Youth Center or the NWC Gym.

Hoop registration set

There is still time for youngsters to sign up for the 1988 Naval Weapons Center Youth Basketball League. Play begins in early January, continuing through mid-March. Because the regular registration deadline has passed, new players signing up will have to pay an additional \$10 late fee.

This league is sponsored by the

Recreational Services Department's Youth Activities Branch. Athletes must have a current youth sports membership or pay the single sport fee.

For additional information on this program call the Youth Activities Branch at NWC ext. 2571.

ATVs are not safe toys

Although all-terrain vehicles are made for off-road recreational use, the Consumer Product Safety Commission warns that they are not toys.

There were 696 documented deaths between 1982 and 1987 caused by all-terrain vehicles overturning. Almost half of the victims

(313) were under 16 years of age. In 1986 alone, there were 86,000 reported all-terrain-vehicle-related injuries.

This is why all operators should be taught basic maneuvers by certified instructors in an all-terrain vehicle training course.

Tennis courts reopened

Following a renovation project, the Naval Weapons Center's tennis courts have reopened for patron use. The courts are open for play anytime,

but the lighting will automatically go off at 10 p.m. For additional information on the tennis courts call the Sports Branch Office



Sports

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| 2) 1978 Ford Stake Bed F350, minimum bid | \$3,500 | |
| 3) 1967 Tahiti Jet Boat & Trailer, minimum bid | \$1,200 | AS IS |
| 4) 1985 Renault Fuego, minimum bid | \$3,400 | |
| 5) 1981 Chevy Chevette, minimum bid | \$1,200 | \$500 SALVAGE |
| 6) 1980 Toyota Tercel, minimum bid | \$2,800 | |

Vehicles may be seen at the base office 9:30 a.m. - 5:00 p.m. Monday thru Friday, except holidays. For further information please call Sharon DeWeese or Patty DeLuna at 446-6521

Bargains at Exchange

Bargain hunters have a treat in store for them at the Navy Exchange this year: the Christmas clearance sale will begin on Dec. 17 and run through Dec. 24. In the midst of the clearance will be a special Super Saturday Sale on the 19th with extra bargains galore.

Christmas candy is on hand at the Mini Mart, and Christmas trees are on sale in the garden shop there. For a special treat for grandparents or relatives, pictures with Santa will be

taken tomorrow, Sunday, and the next Saturday and Sunday as well.

Those who'd like to celebrate not just this holiday but also other special events throughout the year (maybe even just that it's a beautiful day) can now buy fresh cut flowers at the Personal Service Department.

All personnel from the Navy Exchange join in wishing everyone on board a very Merry Christmas and a Happy New Year.



FOUR MORE—Petty Officer Second Class Ruby A. McCrary is sworn in for August, 1985. A 1966 graduate of Rubi-another four-year hitch in the Navy by doing High in Riverside, Calif., Petty Lt. Honor Fulk. An aviation supply night Officer McCrary is married to Frantz check supervisor, Petty Officer Poulsen, assigned to Naval Station Frem-McCrary has been in the Navy since derickhaven, Denmark.

Court for serious offenses...

(Continued from Page 6)

Navy-Marine Corps court of Military Review and, upon application by the accused, to the United States Court of Military Appeals. Under recently enacted legislation by Congress, convictions now may be reviewed ultimately by the United States Supreme Court. An accused who receives a sentence which includes no punitive discharge and confinement less than a year may nonetheless request review of the court-martial by the Judge Advocate General. This request is generally drafted by the assigned trial defense counsel, again free of charge.

In either case, the accused may retain civilian counsel during the military appeal process; however, the government will not pay for this civilian representation.

Not only may the convening authority of the court-martial and the Navy-Marine Corps Court of Military

Review or the Judge Advocate General (whichever acts as an appellate reviewing authority) disapprove a finding of guilty or lessen a sentence, but the Naval Clemency and Parole Board, acting under authority of the Secretary of the Navy, may reduce or recommend reduction of certain sentences. An accused may be repre-

sented before this board by counsel. Service members convicted by general courts-martial of serious offenses such as murder, espionage or rape and who receive long prison terms are usually transferred to the custody of the Federal Bureau of Prisons for service of the period of confinement after the military appeal process is completed.



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Military seeks to defeat age-old enemy—cold

Cold weather. Napoleon learned what a terrible enemy it could be during his retreat from Moscow. It crippled the Continental Army at Valley Forge. In 1950, along the frozen mountain trails of Korea, frostbite claimed more victims than the Chinese communists.

Bitter winter storms and freezing rain can be as destructive as the most formidable foe.

Through the years, military forces have relied on a variety of gear to help them overcome cold weather. One of the newest innovations, a lightweight, extended cold-weather clothing system, will soon be issued throughout the Army and Marine Corps.

Created by the Army Research,

Development and Engineering Labs in Natick, Mass., the new clothing will keep troops warm and dry in a variety of weather conditions — even at temperatures down to minus 60 degrees Fahrenheit.

What makes the new extended cold-weather system so effective, explained Army Lt. Col. Bill Kernodle of the Defense Personnel Support Center in Philadelphia, are state-of-the-art materials designed to keep body heat in and wind and rain out.

Polypropylene is a man-made material often found in hunters' clothing and mountain wear. By pulling perspiration away from the skin, it prevents wearers from getting drenched in their own sweat, a com-

mon complaint regarding the current cold-weather outfit.

In addition, the outer layer of the new extended cold-weather clothing

system contains 9 billion pores in each square inch — small enough that wind

WIND CHILL CHART

		WIND SPEED IN MILES PER HOUR												
		5	6	7	8	9	10	15	20	25	30	35	40	
A	60	58	57	56	55	54	53	49	47	45	44	43	42	
I	55	53	51	50	49	48	47	43	40	37	36	35	34	
R	50	48	46	44	43	42	40	36	32	30	28	27	26	
	45	43	41	40	37	36	34	29	25	23	21	19	18	
T	40	37	35	33	31	30	29	22	18	16	13	11	10	
E	35	32	30	29	26	24	22	16	11	8	6	4	2	
M	30	27	24	22	20	18	16	9	4	0	-2	-4	-6	
P	25	22	19	16	14	12	10	2	-3	-7	-10	-12	-13	
E	20	16	13	10	8	6	4	-5	-10	-15	-18	-20	-21	
R	15	11	8	5	2	0	-2	-11	-17	-21	-25	-27	-29	
A	10	6	2	1	-4	-6	-9	-18	-25	-29	-33	-35	-37	
T	5	1	-3	-6	-9	-12	-14	-24	-31	-36	-40	-43	-45	
U	0	-5	-8	-12	-15	-18	-21	-31	-39	-44	-48	-50	-53	
R	-5	-10	-14	-17	-21	-24	-27	-38	-46	-51	-55	-58	-60	
E	-10	-15	-19	-23	-27	-30	-33	-46	-53	-59	-63	-67	-69	
	-15	-20	-25	-29	-33	-36	-39	-51	-59	-66	-70	-73	-76	

THE WIND CHILL TEMPERATURE SHOWS THE COMBINED EFFECTS OF WIND AND TEMPERATURE AS EQUIVALENT CALM AIR TEMPERATURE. IN THIS CASE AIR ACTUALLY REFERS TO THE CONDITIONS CREATED BY A PERSON WALKING BRISKLY AT 4 MILES AN HOUR UNDER CALM WIND CONDITIONS.

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and witness can't get in but large enough that sweat vapor can escape.

The new outfit includes six major new items: polypropylene undershirt and drawers, polyester fiber pile shirt and overalls and pants, and camouflage-print parka and trousers.

By mixing and matching the pieces, wearers will stay warm and dry in temperatures ranging from 40 degrees to minus 60 Fahrenheit.

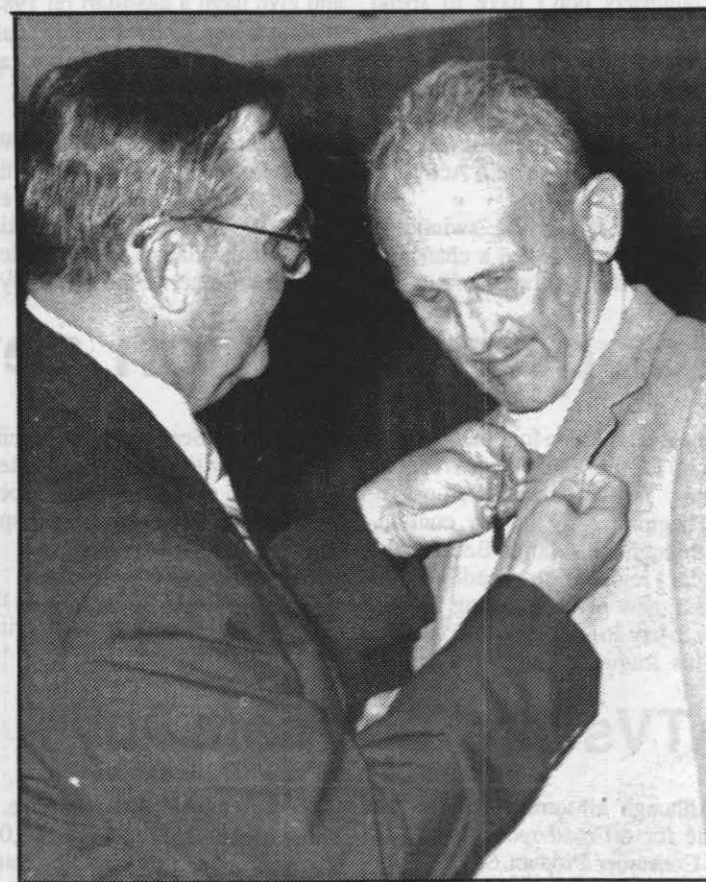
Also, the new outfit weighs 14 pounds less than the one it replaces — a relief to soldiers and Marines who ski or snowshoe bearing 80-pound backpacks. The old system weighed 38 pounds; the new one, 24.

The new system received rave reviews during initial wear tests by the Marine Corps at Pickel Meadows, Calif., a mountain warfare and winter survival training center high in the Sierra Nevada. It fared equally well at Camp Ethan Allen, Vt., and in Northern Norway during the Teamwork '84 NATO exercise.

The outfits will be phased in throughout the rest of the Army and Marine Corps during the next five years.

"What we needed was clothing that would allow people to exist comfortably in cold, wet areas for extended periods of time," said Kernodle, the system's project manager.

Lee ends career. . .



ACHIEVEMENTS RECOGNIZED — Capt. Gene Allen, representing Center Commander Capt. John Burt, pins the medal accompanying the Navy Meritorious Civilian Service Award on Dr. Steve Lee. Photo by PHAN Cary Brady

(Continued from Page 1) Computer Science," making it possible for a student to achieve a master's degree in these technical fields without having to leave the local area.

He also strengthened programs through encouraging use of such new technology such as the satellite dish to receive classes broadcast from elsewhere.

Dr. Lee was an active and enthusiastic recruiter while working on-center; his thorough legwork in researching and analyzing a school prior to recruitment efforts have enhanced recruitment dollars by ensuring these would be appropriately spent to meet NWC needs.

In addition, the nomination notes, Dr. Lee has personally counseled more than 400 students participating in various Center programs.

Dr. Lee responded that "There's something special about this valley; it's kept me and my family here since 1953. What is best is that you're allowed to be creative."

He added that he liked science and mathematics, especially since on the job "you don't have to prove the theorems."

His final words about himself and his wife, Colleen, were "If we had it to do over again, I don't think we'd have done it another way."

Don't fight machines

You can put your money in the machine, looking forward to the pause that refreshes. But nothing happens. No soda, no money.

What do you do? Army Dr. (Maj.) Michael Cosio, a surgeon at the Frankfurt (West Germany) Army Medical Center has no advice on what to do. But he hopes you don't shake the machine, according to a report in the MEDCOM Examiner newspaper.

Cosio said he is aware of 10 persons who have been injured by soda machines on military installations in the past two years. These machine tip-overs suffered injuries ranging from punctured bladders to fractured skulls and pelvises. Soft drink machines can weigh from 500 to 1,000 pounds.

"People tip the machine in an attempt to retrieve their money," Cosio said. "They're usually pushing

on the top, rocking it back and forth. Eventually they get into 'harmonic motion' where the machine keeps coming further and further forward and tips over onto them."

Even though statistics aren't kept on injuries caused by vending machines, at least one case was reported where a machine pinned a soldier to a wall after he had shaken it. The machine crushed his larynx, and he died.

In another case — this one in Europe — a soldier ended up with a broken leg and an Article 15 for damaging equipment.

Obviously there are sound reasons — safety very high among them — for being aware of the consequences of "throttling a machine" that refuses to give you your money.

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Big parties slated

New Year's Eve celebrations are slated at the Commissioned Officers' Mess, the Chief Petty Officers' Mess and the Enlisted Mess, with a merry time for all at all three.

At the COM, the evening will begin with a prime rib dinner, a bottle of champagne for each couple, and party favors. Breakfast will be served at 1 a.m.

Bobby Ewbanks will play a variety of 50s and 60s music for listening and dancing from 9 p.m. to 1 a.m.



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Tickets for the evening are \$20 per person or \$35 for a couple; they can be purchased at the COM up until Dec. 22, when the COM closes until the 31st. Further information can be obtained by telephoning NWC ext. 3105.

Tune Drivers, a four-man band from Los Angeles that plays a variety of 50s, 60s and country music, will be featured at the Chief Petty Officers' Mess from 9 p.m. to 1 a.m.

Party favors, a split of champagne, and hors d'oeuvres will be included in the price of \$7.50 per person. Although both dinner and breakfast will be available, they will have to be purchased separately.

Further information about the evening can be obtained by telephoning NWC ext. 3633.

At the Enlisted Mess, the band playing will be the ever-popular "Message," also from 9 p.m. to 1 a.m.

The price of \$5 per person includes hats, party favors and a continental breakfast.

Dinner special that evening will be prime rib with all the trimmings for only \$8.95 per person; those eating dinner at the EM will get half price admission to the New Year's party.

Reservations are requested for the dinner. These reservations can be made by telephoning 446-6929.

Community Events

Dr. Robert Nelson, co-chairman of the Southern California Federation of Scientists, will discuss "The Ethical Considerations in Research and Development Reporting of Politicized Programs" at a free lecture in the Burroughs High School lecture center on Monday at 7:30 p.m. This presentation is part of the Cerro Coso Community College G. T. E. lecture series.

Dr. Nelson, who works at the Jet Propulsion Laboratory on a NASA program, is currently involved in making public ethical questions raised about X-ray laser research in the "Star Wars" research program at Lawrence Livermore Laboratories.

His revelations led directly to a General Accounting Office investigation of the program to be finalized in late January 1988.

After his lecture, Dr. Nelson will hold a question-and-answer session with the audience.

Sweet sounds of Christmas music will be heard in the Site A Capehart housing on Thursday, Dec. 17, when VX-5 personnel and their spouses will be caroling.

As well as providing the happy and harmonious music, they'll also be asking for cash donations for Toys for Tots. Anyone who'd like to contribute to making a brighter Christmas for a needy local youngster will have the opportunity to drop money into the canisters carried by carolers.

Everyone is invited to attend the annual Christmas party held by the Black Original Social Society on Friday, Dec. 18th, at 8:30 p.m. at Le Parc Restaurant in the Heritage Inn.

Music will be provided by BOSS, and the donation of \$4 per person will cover door prizes and hors d'oeuvres. No one under the age of 21 will be admitted.

Through January 31 the Cerro Coso Community College Art Gallery will sponsor works by Czech artist Stephan Krikl.

Krikl lived in Germany during World War II and his work reflects the horror of the war and man's inhumanity to his fellow man.

The public is invited to attend this showing of Krikl's work relating to the Nazi Concentration Camp experiences.

For more information call the college at 375-5001.

Movies

FRI-SAT. "SPACEBALLS" DEC. 11-12

Starring
Mel Brooks and Rick Moranis
(Comedy, rated PG, 96 min.)

SAT. MATINEE DEC. 12

"SNOW WHITE & THE 7 DWARFS"
(Animated, rated G, 83 min.)

SUN. DEC. 13

"SNOW WHITE & THE 7 DWARFS"
(Animated, rated G, 83 min.)

WED. DEC. 16

"MALONE"
Starring
Burt Reynolds and Cliff Robertson
(Action, rated R, 92 min.)

FRI. DEC. 18

"THE BELIEVERS"
Starring
Martin Sheen and Helen Shaver
(Suspense/Horror, rated R, 114 min.)

Starting Times: Matinee / 2 pm Evening / 7 pm

(G) ALL AGES ADMITTED
General Audiences
(PG) ALL AGES ADMITTED
Parental Guidance Suggested
(R) RESTRICTED
Under 17 Requires Accompanying
Parent or Adult Guardian



Weather Report

	Max	Min	Gusts	Prep
Thurs.	65	27	07 knots	.00
Fri.	65	37	16 knots	.56
Sat.	58	36	06 knots	.04
Sun.	59	32	20 knots	tr
Mon.	65	37	20 knots	.00
Tues.	63	31	28 knots	.00
Wed.	59	35	06 knots	.00

All measurements are made at
Armitage Airfield.



SUPERCOMPUTER
—Bill Ball, head of the NWC's Information Systems Group, (second from left) was joined by the Supercomputer Project Team of Bruce Bonbright (left) Jim Serpanos, Karen Lindblom and Gene Guglielmo (Jack Van Wieren is not pictured) in mailing the solicitation packages to interested vendors. The Request For Proposal (RFP) seeks a Class VI Supercomputer to provide the Center's scientists and engineers the capability to solve "compute intensive problems." These problems would include computation fluid dynamics or other algorithms that process vectors (or arrays) of high precision floating point variables.

Photo by PHAN Gary Brady

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'84 FORD Bronco II 4x4 #9906A	\$8,999	'86 MERCURY Lynx 4-Door #9917	\$5,999
'84 FORD Bronco II 4x4 #9880A	\$7,999	'87 FORD Thunderbird #9904	\$11,999
'82 FORD F-100 Shortbed P.U. #9704A	\$4,499	'87 FORD Crown Victoria #9908	\$12,999
'84 OLDS, 8 Pass. Wagon #9843	\$6,999	'86 CHEVY Nova Sedan #9844	\$6,999

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Mitsubishi VCR

to be given away by the Rocketeer Advertising Dept.
The grand prize winner will be drawn from remaining coupons
from participating stores.



Good Luck
&
Happy Holidays!

IEEE meets Tuesday Travel fraud can cost career

Both the China Lake Section and the Computer Chapter of the Institute of Electrical and Electronics Engineers, Inc., (IEEE) will meet on Tuesday (Dec. 15) at the Drydock Room of the Enlisted Mess.

Speaker for the meeting, which is open to all interested persons, will be Karen Higgins, head of a new software division in the Electronic Warfare Department, who will talk about "The Software Engineering Process in Embedded Tactical Software."

Software engineering now rivals

traditional hardware engineering as a key to weapons effectiveness since digital computer software aboard platforms and even missiles is an increasingly important technique for intelligent systems.

Mrs. Higgins will discuss the significant results achieved by using structured processes, Yourdon techniques and DOD Std 2167.

No reservations are required. Lunch selections are either the daily lunch special, the salad bar, or ordering from the menu.

Is an entire career worth the price of a 15-mile cab ride?

Some military personnel apparently think so. After a permanent change of station or temporary duty travel, they decide to ask to be reimbursed for expenses they never incurred. It might be only a few extra bucks, but fraud is fraud.

Travel voucher fraud, while not rampant, still occurs throughout the Department of Defense. During fiscal 1987, DOD spent almost \$3.4 billion in permanent change of station and temporary duty travel costs. And of the thousands who traveled, some couldn't pass up the chance to pocket a few extra dollars. For example:

• An airman on a permanent change of station from the United States to Japan files a travel voucher stating he drove his personal car during his travel in the United States. He is reimbursed for mileage and paid a per diem of \$344 for seven days of travel time.

An investigation shows the airman actually traveled by commercial air in the United States. He is ordered to repay \$181.20, is charged four days leave and receives an Article 15.

• A captain on temporary duty to the United States claims use of a rental car and is reimbursed \$120.50. He is suspected of using the rental car for recreational purposes. An investigation supports the allegation, and the captain is found guilty of filing a fraudulent travel voucher. The captain repays the money, pays a \$2,000 fine and receives a letter of reprimand.

Col. Patrick Malvaso is director of the Air Force District of Washington Accounting and Finance Office, Bolling Air Force Base, Washington, D. C. His staff of 20 clerks computes more than 600 travel vouchers a day. Clients include the Secretary of Defense as well as recently arrived service members. He acknowledges that the first line of defense in travel voucher fraud in finance offices around the world is the clerks.

"They are all very bright," he said. "Over time, they develop data banks in their head they use to spot fraud. For example, after filing 5,000 vouchers from Washington, they know how much it should cost for cab fare from National Airport to Mount Vernon, Va. But we'll still occasionally see someone try to claim more than they should." Seasoned veterans in other cities have similar data banks.

DOD has done what it can to make the travel voucher process more efficient. Currently, only reimbursable expenses of \$25 or more require receipts.

Later in fiscal 1988, military personnel should begin filing travel vouchers based on the Lodgings Plus system. This system, currently being used by service and DOD civilians, establishes firm per diem rates for each part of the country and requires

receipts for lodging costs.

If the per diem rate is \$65 a day, that means the traveler will be reimbursed no more than \$65 for each day's stay in that area. Should travelers decide to pay more for meals and lodging, it is at their expense. If they can eat cheaper, it is to their advantage.

"The travel voucher process works on the honor system," said Malvaso. "Over the years, DOD has tried to simplify the process as much as possible. Moving to Lodgings Plus for military folks will place all personnel on an equitable system. However, I anticipate there will be more opportunity to fudge the figures."

Malvaso strongly encourages anyone debating the idea of picking up a few bucks to reconsider. "First, unit financial managers review all travel vouchers. And finance clerks have heard and seen everything. If it looks out of place, they will catch it."

Secondly, said Malvaso, fraudulent travel vouchers can be detrimental to a career. "Officers know that if they get caught with a fraudulent voucher, it's the end of their career," he said. "Enlisted personnel can expect to be punished under the Uniform Code of Military Justice."

In either case, commanders will know you can't be trusted as a person. And that is very important. Once the trust is violated, it's all over."

Malvaso said vouchers can be audited at any time — even after a travel voucher is paid. "You just have to wonder if the dollar amount that may be obtained through the falsified order or voucher is worth the price to pay when you get caught," he said.

By Tom Joyce, American Forces Information Service

DECUS meeting set

This month's meeting for the Digital Equipment Computer Users Society (DECUS) will be held Dec. 16 from 1 until 3 p.m. in Lauritsen Laboratory Conference Room 1.

Topics to be discussed include a one-hour presentation by EMC Corporation on Optical Technology; a second presentation will be given by a representative of the American Management Company on V-X Master Products that are VAX/VMS System

Management software tools.

Before the meeting ends, an informal discussion will be held on what was learned at the DECUS in Anaheim held the week of Dec. 7-11.

Anyone with DECUS-related questions should call Randy Morris, China Lake DECUS Lug Chairman, at NWC ext. 5498 or Linda Wilson, China Lake DECUS Lug Program Coordinator, at NWC ext. 5127.



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Contest

Center housing residents had better put the finishing touches on their outdoor Christmas decorations this weekend. The annual "best decorated residence" contest will be judged next week by Housing Division personnel.

There will be an award made for each of three areas: Capehart B housing, Hill housing and the Old Duplex housing.

Dec. 18 last issue of 1987

Friday, Dec. 18, will be the last issue of the *Rocketeer* for 1987. Deadline for next Friday's issue will be the same as usual: close of business Tuesday.

The office will be staffed over the holidays so that anyone who wishes to drop off a story for the first issue of next year (Friday, January 8) will be able to do so.

THE INDIAN WELLS VALLEY HUMANE SOCIETY

WISHES TO REMIND THE RESIDENTS OF THE RIDGECREST-INYOKERN AREA THAT THEY HAVE SEVERAL SERVICES AVAILABLE TO THE PUBLIC, SUCH AS THEIR PET PLACEMENT SERVICE AND LOW INCOME SPAY AND NEUTER LOAN PROGRAM. PLEASE CALL NADEAN JACKS AT 375-5117 FOR FURTHER INFORMATION ON OUR SERVICES.

Please note that, due to a lack of volunteers, our phone number at the Animal Shelter is not being answered on a regular basis. All calls should be directed to the above number until further notice. We need members! Please volunteer your time to help animals!

Have A Happy Holiday Season!

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469 Motorcycles

1974 HONDA ELISORNE ATC 250. Excellent condition, very fast. \$550 or best offer. 446-6912 after 6.

PLACE YOUR CLASSIFIED AD BY PHONING 375-8808.

1982 YAMAHA YZ 490 dirt bike, excellent condition, \$550 or best offer. 446-6257.

1983 SUZUKI DS80, excellent condition, \$225. 375-9328.

1985 ATC 200S, like new, Great for Christmas, \$750. 375-9183.

469 Motorcycles

1987 HONDA CR80, like brand new, \$1,000 or trade for 4 stroke of same value. 375-9135.

473 Motorhomes & Campers

1961 FORD Motorhome, good motor, rebuilt transmission, new desert cooler radiator, toilet, stove, oven, refrig., top & lower bed, back porch with sliding glass door, \$2,500. 446-4214.

1975 SPORTSCOACH, low miles, excellent condition. 446-3100.

1977 30' HOLIDAY RAMBLER, travel trailer, loaded, \$7,500. 375-8553 after 5.

1981 33' PROWLER, good condition, \$7,200. 375-2348.

1986-26 ft. mini motor home. Low miles, loaded, many extras. Must sell due to health. 446-3354.

8 FT. CAMPER SHELL, \$200. 377-4529.

BUS CONVERSION, almost complete, sale or trade. 446-3100.

FOR SALE: 1976 Terry 27 ft. travel trailer, self-contained, roof air, 20 ft. awning, new tires, jacks all around, TV antenna, 2 outlets, double bed in rear, Xint. shape. 375-2444.

477 Airplanes

H MODEL BONANZA, serious inquires only. \$26,995. 446-3100.

485 Autos for Sale

1950 CHEVY Classic Bel Air, 4 door sedan, good running condition, extra parts & tires, needs brake work. 446-5214.

1974 DODGE STATION wagon, a/c, p/b, one owner car, low mileage, \$880. 375-9135.

1975 PLYMOUTH Fury, needs tune-up and some body work, runs good, asking \$300 or best offer. 446-6139.

1977 FORD MUSTANG, \$800. 377-4529.

1978 EL DORADO. See at NWC Lemon Lot. 377-5140. Will trade for small car, equal value.

1978 Mercury Cougar XR 7, \$1,500 or will trade or 1980 or 1981 Chevy Citation. Call 375-4879.

1981 DATSUN 200SX, low miles, good condition, \$3,500 or best offer. 375-5946.

485 Autos For Sale

1981 OLDSMOBILE Omega, 4 door, good condition, 25 mpg, \$2,000. Call 375-9648 after 5:00 p.m.

1986 NISSAN SENTRA, a/c, am/fm cassette, low mileage, \$6,500. 375-9648 after 12:00.

FOR SALE, 1972 Chevy Vega, runs good, asking \$600. 375-2903.

IS YOUR CAR GOING TO BREAK DOWN? Sooner or later all cars do. When it happens are you covered? Will it be \$200 or \$4000 to repair it? If you're driving without a service contract call me, we have service contracts starting as low as \$195. To find out if you qualify call Michael Huff at Desert Motors, (619) 446-3521.

489 Trucks and Vans

1967 3/4 TON FORD Pick-up, needs work. 375-4879.

1967 FORD Van, runs, needs tune-up, \$850 or best offer. 375-8298.

1970 3/4 TON FORD, \$1200 or best offer. 375-1932.

1974 CHEVY TRUCK, 3/4 ton, \$800. 375-9135.

1982 GMC 3/4 ton pick-up, fully equipped for 5th wheel trailering, including utility body and 2 speed axle, excellent condition, \$7,500. 446-2205.

489 Trucks and Vans

1987 MAZDA Pick-up SE-5, excellent condition, \$7,000 or best offer. 375-5946.

493 Four Wheel Drive

1953 CJ 3 A only 4,500 on rebuilt GM V-6, excellent condition. Its a must see! 375-8517.

1977 CHEVY Blazer, 4 x 4, auto, power steering & brakes, air condition, 350 V-8, am/fm cassette, low miles, \$3,000. 446-4821.

1984 TOYOTA Tercel 4 x 4 wagon, am/fm cassette, great ski car, \$4,300. 446-2348.

1986 4x4 S10 Blazer, all extras. \$12,500. Days 375-7875. Evenings 375-9290.

1986 TOYOTA 4-Runner, four wheel drive, excellent condition, \$11,800. 375-9414.

1987 NISSAN SENTRA, factory a/c, Kenwood stereo, paint guard, bra, many extras. (40 mpg.) \$7,750 or best offer. Must sell, moving/school. 446-3335 or 375-0273.

501 Parts & Accessories

CROWER (hot street beast) cam., complete with springs, lifters, push rods and gaskets for small block Chevy, \$100. 375-9648 after 12:00.

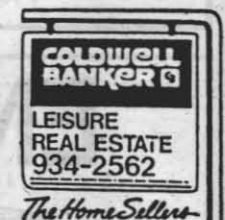
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New Student Orientation: (An orientation informational session is required for all new CC students who enroll in minimum proficiency courses or Associate Degree general education courses.

January 13 & 14.....9:00 am, 1:00 pm & 4:30 pm

(Exceptions: Students who enroll only in courses which have no prerequisites. Students who have completed an Associates Degree or higher.)

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FR7814	\$51.88
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313 Personals

HEY KIDS! Hear a free bible story. Call 375-5381. Story changes every Friday.

317 Professional

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317 Professional

CAL STATE MAINTENANCE & Repair. Free estimates, 375-0707. All phases: roofing, floors, electrical termite, dry-rot, plumbing, concrete tile. Veterans & seniors citizen discount.

HEY EVERYBODY! Carpets dirty, full of soil? Let Red Carpet end your toil. We're pros when it comes to foam or steam. We'll make your carpets look like a dream. \$10 a room (minimum of 5 rooms). Slightly higher for less rooms. 375-9520.

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325 General Services

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CUSTOM SEWING, and alterations. Call for an appointment, 446-5983

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HANDYMAN - 30 years experience. No job too small! Free estimates! Senior discount! Carpentry & painting, light plumbing & electrical, drywall & roof patching. All repairs guaranteed. 377-5421 or 377-5581.

325 General Services

IT'S PARTY TIME and C&C Productions will provide DJ services for any occasion, dances, wedding reception, parties, etc. Call Darren at 377-4304 or 377-4961.

NEED A BABY Shower Gift? Let Mary's Software make your custom baby accessories. Quality work at reasonable prices. 375-3383.

RETIRED MAN would like to do yard & garage cleaning, and light hauling. 377-5581, ask for Andy.

ROOM ADDITIONS & remodeling. 20 years experience. All work guaranteed. 375-9414

SPECIALTY WOODWORKING & cabinets. Kent Birch. 375-3200.

TRACTOR AND dump truck work, clean fill dirt, good rates, 375-4651.

333 Help Wanted

GOOD WITH PEOPLE? Put your talent to work! Earn \$\$\$ with AVON. Call Mrs. Walters, 375-4688.

337 Work Wanted

CHILD CARE in my home, ages 1 through 2, references. 375-6809.

353 Miscellaneous For Sale

12 x 24 3 RAIL horse corral, \$350. 446-3100.

\$35 AND UP, used doors, fenders or hoods. Pearson's Auto Part & Wrecking on Hwy. 395. 377-4585.

4 x 8 DOG KENNEL with top, \$325. 446-3100.

6' SIXPAC Camper for standard pick-up, \$235; Like new Bianchi bicycle, rode twice, \$375 (\$560 new) 446-2348.

ALMOST NEW 5 piece drum set, \$450. Call Dottie, 446-7530 after 6:00 p.m.

NEW VW BUG windshield, \$39.95 and up. Pearson's Auto Parts in Pearsonville. 377-4585.

353 Miscellaneous For Sale

ALUMINUM MAG WHEELS for sale, 4 lug, \$300 or best offer. Call 446-4768

APPLE IIE COMPUTER with 80 column card, Apple monitor II, Apple disc II drive, computer table, Kensington system saver, assorted tutorials, manuals and blank discs, \$1,200. 377-4909.

APPLE MONITOR, anti-surge module, Epson Homewriter printer. Extra cables etc. Take all for \$250. Call Dick at 375-4471.

BASS FOR SALE! Memphis bass, excellent condition! New strings, great for beginner, would definitely work for the intermediate to expert players. Includes bass, case, and cord. Must see! \$275 or best offer. Call Pat. 375-3185.

BROWN WALNUT color crib, like new with quality Gerber mattress and crib sheets, \$80. 446-4137.

COMPUTER, IBM compatible, 640K ram, two 360K drives, color, graphics, \$750; color monitor and TV \$300 (with computer). 446-3292.

DIAMOND ENGAGEMENT ring, .4 carat. Appraisal certificate \$1300, will sacrifice at \$850. Call 873-8641.

ELECTRIC DRYER, \$100; King size bed with electric blanket and bedding, \$100. 446-2321.

FIREWOOD-pine/lir mixed, \$125 cord delivered. H&L Fuelwood. 375-5277 or 377-4414.

FIREWOOD FOR SALE, lodge pole & pine, \$110 a cord, Split & delivered. Free stacking for senior citizens. 372-4875.

FIREWOOD, SPLIT & delivered, \$115 per cord; \$110, 2 cords or more. Free stacking to senior citizens. 372-4733 or 446-4036 leave message.

353 Miscellaneous For Sale

FOR SALE, Jenny Lind cradle, good condition, \$75; Baby changing table, \$25. Must Sell! 446-4218.

GENIE AUTOMATIC gate opener, \$695. 446-3100.

LARGE STOCK of new fuel pumps, water pumps and Goodyear hoses and belts. Pearson's Auto Parts in Pearsonville. 377-4585.

LOST A HUB Cap or need a set, head for Pearsonville, Hub Cap Capitol of the World. 377-4585.

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WILHORN & SON Firewood sale, now have almond, pine & fir by the cord. 377-4465

WOODEN CRADLE, 2 car seats (new-born to 40 lbs.), 3 infant seats, twin stroller, baby bath tub, 2 Disney bath seats with mats, wind up swing, Playtex bottles (never used) with plastic liners, diapers - mixed sizes, new case of premature diapers (180 diapers), misc. clothes (newborn to 9 months). Call Dawn at 375-4173.

357 Pets

6 FOOT COLUMBIAN Boa in decorative 100 gallon aquarium with stand, \$245 or best offer. 375-8517.

AKC COCKER SPANIEL puppies - will hold for Christmas. All colors, champion stock, shots. 377-4585 days. 377-4059.

AKC COCKER SPANIEL, female puppy. White / red parti, \$150 including pedigree & shots. Wonderful personality. 377-4059 eves., 377-4585 days.

AKC FEMALE COCKER spaniel, show quality puppy, black & tan: to show home only, terms. 377-4585 days, 377-4059 eves and weekends.

CHOW CHOW Puppies for sale, mother and father AKC registered. 446-7200.

FREE FULL BLOOD Australian Shepard pups, male, 5 months. Call 446-5214 or see at 1517 Saratoga (base).

MUST SELL! Guinea pigs with cages. 375-7470 after 2:00 p.m., before 8:00 p.m.

361 Wanted to Buy

WANTED: Baseball cards and comics, old & new, singles or collections, 375-7092.

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Boggs lauds Coop program

"I really can't say enough about the program itself. It supplied the funds for my education, but more importantly it supplied opportunities," said Thom Boggs, head of the Engineering Sciences Division of the Research Department, as he talked about NWC's Cooperative Education Employment program.

In the early 60s Boggs was going to school at U.C. Berkeley and working part time in a chemical warehouse unloading box cars. Tired from classes and holding down a job, he thought there had to be a better way to go to school. A friend, who was already in a Coop program, suggested Boggs join the program.

After filling out the Coop paperwork at the University work with the X-15 program at Edwards Air Force Base, and just shortly before moving to Edwards, Boggs discovered housing wasn't available. Since he felt the rent he would have to pay was more than he would earn, Boggs said "no way." Personnel at Edwards asked him if he would like to go to China Lake. "I didn't even know where China Lake was," he laughed.

After investigating the situation a little bit, and finding that housing was available, Boggs submitted his application and came to work in the Engineering Department as a Coop student aid in 1963. He said that the work he did there was fine, but it wasn't what he really wanted to do, so in his next tour he began work in the information retrieval field. Boggs enjoyed the work, but decided it wasn't what he wanted to do for the rest of his life. This was one aspect of the Coop program Boggs really liked. It gave him an opportunity to see what kind of jobs were available.

After working long enough to finance more schooling, usually about six months, Boggs would go to school full time until the money ran out, usually one semester, then return to NWC. The cycle continued during his junior and senior years.

After receiving a BS in Mechanical Engineering from Berkeley in 1966, Boggs joined NWC's Research Department.

In 1971 Boggs was a recipient of the National Volunteer Awards citation for his contributions to the youth of the Indian Wells Valley. The report nominating Boggs included information on his role in founding the Reality Program, a community self-help effort to aid youth who had drug problems, and One-to-One, Inc., a local project similar to the Big Brother program. These programs later became part of programs at the Desert Counseling Clinic. It also mentioned Boggs' role as an advisor to the China Lake Youth Council and Explorer Post 813 and other volunteer activities such as teaching against drugs, membership in the China Lake Mountain Rescue Group and directing the Drug Alert program of the Ridgecrest Kiwanis Club.

The Center's employee also won the Arthur S. Flemming Award for 1978 for his scientific research in the field of solid and liquid propellant combustion. The Flemming Award honors 10 outstanding individuals (five from scientific or technical fields and five from administrative or executive fields) in the Federal Government each year. The purpose of the award is to recognize those who have performed outstanding and meritorious work, to attract outstanding individuals to the Federal Government, to encourage high standards of performance in the Federal service and to enhance appreciation of this nation's form of government and the opportunities and responsibilities that it presents.

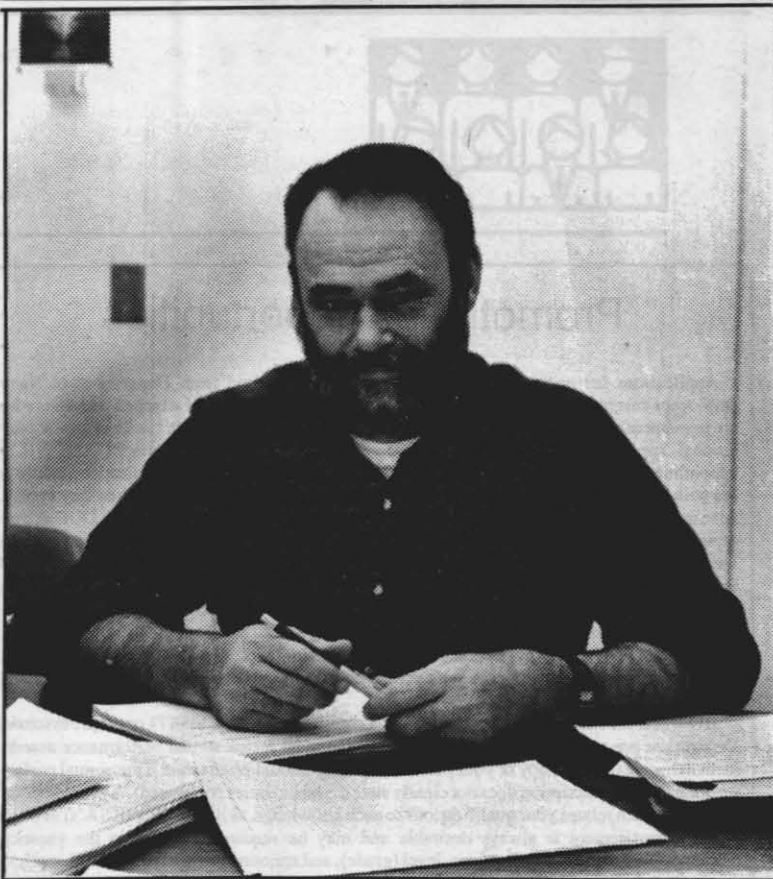
In 1985 Boggs was honored for his contributions to combustion technology and service to the Joint Army, Navy, NASA, Air Force (JANNAF) Combustion Subcommittee. Boggs has been a prolific contributor to JANNAF publications, having written over 100 technical reports and papers since 1970 and has contributed to or authored 34 Naval Weapons Center technical publications and technical memorandums.

Currently, Boggs and his wife, Toni, are busy doing work for the Salvation Army. And if that doesn't keep them busy enough, they and their two children, Matthew and Becky, are in the process of building a home outside of Inyokern.

Boggs feels that the Coop program gave him the money to go to school; a better perspective as to why he was taking some of his courses and how he would use them in the workforce; and allowed him to look around China Lake, which helped him to see the different places where one could work.

Boggs feels he finished his schooling in the same approximate time frame it would have taken him going to school and working part time. The more advanced the classes are, the more you have to study, which, if you are working, requires you to take fewer classes, he noted.

To learn more about NWC's current Coop program, see page 20.



PLUGS PROGRAM — Thom Boggs feels that the Coop Program provides an excellent way for a student to earn enough money to complete college while gaining work experience as well.

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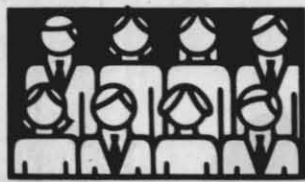
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Personnel News & Notes

Promotional opportunities

Applications for positions listed below are being accepted from Department of Navy employees currently working at NWC and from eligible employees of attached activities who are permanently assigned to NWC. This group includes employees with career or career conditional appointments; employees with permanent Veterans Readjustment Act (VRA) appointments; temporary employees with reinstatement eligibility; and handicapped employees with Sch. (A) continuing appointments (who may be referred separately when they apply). Also included are spouses, with competitive status, of civilian sponsors hired by a DOD activity within NWC's commuting area. Applications from other groups will be accepted when specified in an advertisement. Vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements including minimum qualifications requirements by the closing date of the advertisement. Evaluation of applicant's qualifications will involve using at least two assessment measures (e.g., work experience, annual performance assessment rating and narrative, education, training, performance assessment and awards). Spouses of military sponsors apply at Room 231, same address as shown below.

HOW TO APPLY: Submit the following: a current application, SF-171 or other Personnel Department pre-approved form; and a copy of your most recent annual performance assessment narrative (note: a copy of your performance plan should be attached if the annual performance narrative description does not clearly state the tasks/duties performed). A supplemental narrative which relates your qualifications to each knowledge, skill or ability (KSA's) as cited in the advertisement is always desirable and may be required if stated in the vacancy announcement. Write the title, series, level (grade), and announcement number on all application materials. Not submitting the annual performance narrative may adversely affect your evaluation scores. Prior to submitting your application, complete Cover Sheet Form 12334/2, available at the reception desk. Make sure your address, phone number, etc. are current, correct and that all forms are complete and accurate. If information is missing, your qualifications may not be fully and completely rated. Additional information cannot be submitted after the closing date of the announcement. A current date and an original signature in ink on the last page completes the application. Civilian Spousal Program Eligibles must submit a copy of their sponsor's PCS orders with each application.

Application materials are accepted, and blank forms are available, at the Reception Desk, Room 100, Personnel Department, 505 Blandy. Announcements close at 4:30 p.m. on Friday, one week after the opening date of the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. Applications are retained in an announcement file and cannot be returned or filed in personnel folders. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any non-merit reason.

No. 08-067, Payroll Clerk, DG-544-1/2, Code 0853 - This position is located in the Payroll Branch, Central Staff. Incumbent performs routine research of payroll records to correct leave data; prepares changes to employee earnings, deductions and leave records; prepares report of leave and earnings data. **Job Relevant Criteria:** Ability to perform payroll operations; ability to do work of payroll clerk without more than normal supervision; ability to work rapidly and accurately with numbers, names, codes, and symbols. Promotion potential to DG-2.

No. 26-061, Housing Clerk (accounting), DG-303-1, Code 2605 - The incumbent performs a variety of housing accounting duties in connection with the collection of shelter rents, utilities charges, security deposits, and miscellaneous charges (loss damages); refunds associated with such collections, and maintenance of accounting records in support of such collections, refunds and others adjustments. **Job Relevant Criteria:** Knowledge of accounting methods and techniques; ability to work independently; ability to work with computer generated reports. Promotion potential to the DG-2.

No. 36-096, Engineering Data Technician, DG-303-1, Code 36543 - This position is located in the Configuration Management/Data Management Branch 1, Technical Data Division, Engineering Department. The incumbent will assist senior special-

ists to process, record, account for and report on engineering documentation and engineering change actions. **Job Relevant Criteria:** Knowledge of data change procedures; knowledge of documentation (drawings and blueprints); knowledge of engineering terminology pertaining to the processing of changes; ability to read data/configuration management form. Promotion potential to DG-3, but not guaranteed.

No. 36-097, Machined Parts Inspector, WG-3414-10, Code 3643 - This position is located in the Quality Control Branch, Engineering Prototype Division, Engineering Department. Incumbent performs product verification on a wide variety of mechanical components, subassemblies, and assemblies to determine compliance of the physical characteristics to the established rigid specifications. Incumbent uses a wide variety of inspection processes and techniques to include non-destructive testing, evaluation of physical and chemical properties, and manufacturing process control. **Job Relevant Criteria:** Knowledge of technical practices (theoretical, precise, and artistic); knowledge of measurement and layout; knowledge of materials; ability to do inspector work without more than normal supervision; ability to operate machine tools; ability to use shop drawings. Promotion potential to WG-11. Supplemental required.

No. 39-051, Support Services Specialist, DG-342-2/3, Code 3902 - This position

is located in the Weapons Department and is that of the primary assistant to the Head of Staff in the areas of personnel, financial tracking and budgeting, and communication service requests. The incumbent must be a self starter who is well organized and able to work independently. **Job Relevant Criteria:** Knowledge of personnel forms and procedures; Knowledge of NWC financial reports and budgeting procedures; ability to work well with others. Promotion potential to DG-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. 14-021, Interdisciplinary, (Electronics Engineer/Electrical Engineer/Physicist), DP-855/850/1310-2/3, Code 145A - This position is a Network Design Engineer is located in the Integrated Communications Systems Projects Office. The prime function of this position will be to analyze user requirements and then develop specifications, design, and integrate data, voice and video communication systems. These include baseband and broadband local area networks, analog and digital video point to point and broadcast transmission systems and secure data links. A heavy emphasis is placed on the use of fiber optics. The incumbent will also work with computer to computer networks using protocol standards such as the IEEE 802 Series, CCITT X.25, and the ISO reference model. Communication topologies to be used include buses, Stars, Rings, and Trees. Extensive training will be provided for advanced and specialized network design skills. Promotion potential to DP-3. To apply, send current SF-171 to John La Marr, Code 145A, or call NWC extension 4678 for more information.

No. 33-038, Interdisciplinary (Electronics/Aerospace Engineer/Physicist), DP-855/861/1310-2/3, Code 3333 - This position is located in the Advanced Technology Projects Branch, and is associated with the

design and development tasks of developing RF and Electro-Optics proximity fuzes for a variety of fleet missiles, both ship and air launched. Incumbent will perform design and associated tasks as a senior engineer on a new proximity fuze development for the NATO Anti-Air Weapon, in addition to supporting other development tasks associated with this project. Tasks routinely will include digital and analog circuitry design, laboratory and field testing and contract management activities. These tasks are aimed at advancing the state of the art in proximity fuze engineering. Therefore, experience in RF, digital and analog circuitry design is useful. To apply, send current SF-171 to Bill Vechione, Code 3333, NWC ext. 1211.

No. 39-052, Interdisciplinary (General/ Electronics/Mechanical/ Aerospace Engineer/Physicist), DP-801/855/861/1310-3, Code 3908 - This position is the Deputy Project Manager for the Sparrow Project Office. The incumbent assists the Sparrow Project manager in all aspects of the management of the Sparrow Missile Program. The incumbent should have a technical background with experience in Project Management, Systems Engineering and ability to work in a team and with a wide diversity of people. Ability and willingness to travel and be able to make presentations before diverse groups is necessary. Promotion potential to the DP-3.

Secretarial opportunities

This column is used to announce secretary positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below. Applicants will be rated against four or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences. Unless otherwise indicated, applicants for branch secretary will be rated on elements 1/2/3/5/8; division secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office secretary applicants will be rated on elements 1/2/3/4/5/8/9; and department secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

No. 33-032, Secretary (Typing), DG-318-1/2, Code 3384 - This position provides support to the Weapons Sur-

vivability Laboratory. Knowledge and working experience of the IBM Displaywriter desirable. Promotion potential to DG-2.

Opportunities available with Coop program on-Center

NWC's Cooperative Education Employment Program provides opportunities for baccalaureate and graduate students in engineering or the sciences to gain valuable work experience while going to school. In addition to receiving paid work experience, the Coop student MAY be reimbursed for college tuition and books. At the completion of the degree, the student may be noncompetitively converted to a career conditional science or engineering position at the Naval Weapons Center.

Baccalaureate students typically enter the Coop Program at the GS-3 or GS-4 level, depending on the number of semester units they have completed. The program requires that the student carry a full academic load (12 semester units) and maintain a 2.0 grade point average (GPA). Work schedules are set up to be as convenient to the student's school schedule as possible. Students may work as frequently as every other semester or may work only the required minimum

of two work periods. In order for the student to meet requirements for conversion to a career conditional professional position, at least one work period must be within 18 months of graduation and must be the duration of one academic period (semester or quarter). Students may work summers, but their Coop employment cannot be exclusively summers.

At the graduate level, the program is designed to provide work experience that is particularly relevant to the student's graduate work. Opportunities exist for both master's and doctorate students. The masters candidate has up to 32 months to complete his/her degree, and the PhD candidate has up to 40 months. In order to be noncompetitively converted to a career conditional professional position, the student must work at least 16 weeks. As with the baccalaureate program, the work periods for graduate Coops should not be limited to summer. The student will enter the graduate program (Continued on Page 21)

Classes. . .

(Continued from Page 24)

PC compatible with Lotus 1-2-3.

Method: VHS, workbook, IBM Data diskette

Source: Training Center

Enrollment Form: 12410/73

RUNNING MS DOS (4 hours)

This Micro Video Learning System is designed for anyone who already uses or wants to use an IBM personal computer or compatible. Novice users will learn the basics of the most important and widely used software program for the IBM PC, XT and AT, as well as the set of DOS procedures referred to as "Hard Disk Management."

Veteran users will extend their knowledge beyond DOS fundamentals to learn illuminating new techniques.

The video tape is divided into three sections: (1) BASIC FUNCTIONS: This section gives you a sound foundation in DOS basics, from starting the computer through simple file handling operations, disk formatting and methods for checking the physical integrity of your disks. (2) MANAGEMENT TECHNIQUES: This section is a primer in more advanced DOS features, often referred to as "Hard Disk Management," although most of these tips and techniques can also be used on systems with two floppy drives. (3) PROTECTION PROCEDURES: This section covers methods of preventing data loss from accidental erasure, due to human error or hardware failure.

Method: VHS, workbook, data disk, MS-DOS disk

Source: Training Center

Enrollment Form: 12410/73

ONE MINUTE MANAGER

This audio course on time management teaches the quickest way to increase productivity, profits, job satisfaction and personal prosperity. This is an easy listening approach that quickly shows three very practical management techniques and how to apply them to individual situations. You'll learn how to achieve more productivity through goal-setting; why feedback on results is the number one people motivator; how to develop and maintain superior performance; how and when to praise and when to criticize and more results-getting techniques.

Method: Audiocassette

Source: Training Center

Enrollment Form: None

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Cal-State Northridge offers Fluid Dynamics

The following course is being offered on-Center this spring through Cal-State Northridge. To enroll, please submit a Training Request & Authorization (NAVWPNCEN 12410/73) via department channels to Code 094.

ME 590B: Fluid Dynamics — Viscous Flow (3 units)
January 25 - May 16, Mondays,

1610-1910, Training Center.

This course will be taught by videocassette with Dr. Mel Epstein of CSUN being the instructor. Dr. Ephraim Gutmark, NWC ext. 1079, will be the moderator at each class meeting, being available to answer questions and assist students with course material.

Prerequisite: ME 470: Thermodynamics II and ME 490: Fluid Dynamics, or the equivalent or consent of instructor.

Scope: Application of analytical and numerical techniques to the solution of viscous flow problems. Topics include the Navier-Stokes equations for incompressible and compressible

flow, boundary layer theory, applications to viscous internal and external flows, shear flows, mass and heat addition, laminar and turbulent flows and transition to turbulent flow. Emphasis on aerospace and energy related applications.

Text: *Viscous Fluid Flow*, Frank M. White, McGraw-Hill, latest edition.

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Classes.

(Continued from Page 23)

communication training for secretaries is one of the best training investments a company can make. This seminar is designed to help secretaries improve their communication skills at all levels — written, telephone and interpersonal.

Scope: Topics include:

•Not Just a Secretary... A Communicator! The changing role of today's professional secretary and the increased need for top-notch communication skills. Definition and discussion of the communication process. The seven sins of miscommunication. The choice of communication media.

•Written Communication. Reader analysis for various types of messages. Direct and indirect organizational styles. Message planning. Practice exercises writing both memos and letters. Evaluating and editing written messages. Current trends in business communication regarding format, salutations and so on.

•Telephone Communication. Developing a telephone-resource list. Nonverbal messages in telephone communication. Telephone tips. Customer viewpoint. Handling special situations on the telephone.

•Face-to-Face Communication. Nonverbal communication, handshakes and "space." Support and retention listening skills. Effective listening tips for secretaries. Conflict resolution.

Deadline: January 12.

NAVAL MESSAGES

January 14, 0800-1130, Training Center. By Communication Center staff.

Intended Audience: Employees who come in contact with Naval messages, including drafter, releaser and typist.

Scope: Covers the steps involved in drafting and typing the narrative type of Naval message, including the response of the drafter and releaser. Minimize procedures will also be covered.

Deadline: January 4.

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

Self-study

LOTUS 1-2-3 (5 hours)

This course by Micro Video Learning Systems is designed to teach you how to operate Lotus Development's popular and powerful 1-2-3 program, with a spotlight on features new to RELEASE 2.0. You will learn to use many of 1-2-3's extensive electronic spreadsheet, business graphics and data management features to enter data, perform various calculations and functions, graph your results and select specific data that fulfill certain conditions of your choice.

The videotape portion of the Learning System is divided into the following sections: Overview, Worksheet Basics; The Command Menu; Beyond The Basics; 1-2-3 Functions; 1-2-3 Graphics; Working With Databases and Macros and more.

NOTE: This course requires IBM. (Continued on Page 25).

Questions and answers about FERS, Social Security

Opportunities from Coop. . .

Q. When should I apply for Medicare Part B?

A. If you are continuing to work, you signed up for Part A at age 65, and you are continuing to participate in an FEHB, you can sign up for Part B penalty-free when you retire or stop participating in the FEHB.

Q. I have CHAMPUS, why do I need Medicare?

A. Because CHAMPUS drops you when you become 65.

Q. How do I pay for Part B?

A. You pay a monthly medical insurance premium in 1987 of \$17.90 per person per month. It will be withheld from your Social Security benefit after you have elected coverage, or, if you are not getting a Social Security benefit you will be billed quarterly.

Q. What is Social Security's definition of disability?

A. You are so severely physically or mentally impaired that you cannot perform any substantial gainful activity and the impairment is expected to last 12 months or result in death.

Q. What does fully insured and currently connected to the covered workforce mean?

A. To be fully insured you need 1 quarter of coverage for each calendar year after 1950, or after the calendar year in which you attain age 21, whichever is later up to the onset of disability.

To be currently connected to the covered workforce you need a specific number of quarters of coverage within recent years. For example, a person who becomes disabled after age 31 generally needs Social Security credit for at least five years of work under Social Security out of the 10 years ending with the onset of disability in addition to meeting the fully insured status.

Q. When would my disability benefits start?

A. After you have met all of Social Security requirements you would have a five full calendar month

waiting period before your benefits would begin. For example, if you became disabled on June 2 — June does not count because it is not a full calendar month, July through November would constitute the five full calendar month waiting period. Your first check would be for December but would be delivered on or about the third of January.

Q. How are my disability benefits computed?

A. The formula for computing all Social Security cash benefits is basically the same. The variable is the number of years you must use in the

computation.

Q. Does the disability have to be work related?

A. No, any impairment that meets Social Security's definition of disability when the other requirements are met qualifies the individual for disability benefits.

Q. Can anyone else in my family get benefits when I become disabled?

A. Yes, when you are entitled and have completed your five calendar month waiting period your spouse, ex-spouse, child or children can be eligible for Social Security benefits based on your Social Security wage record. However, keep in mind that these auxiliary beneficiaries are subject to the earnings test and must meet other eligibility requirements.

(Continued from Page 20)

ram at the GS-5, 7 or 9 level, depending on academic qualifications. The graduate Coop program offers a student a unique opportunity to do work in a highly technical environment with guidance from experienced scientists and engineers while pursuing their own areas of research/study.

To apply for either program, send an SF-171 and copy of transcripts to the Professional Recruitment Office, Code 09202-Coop, Naval Weapons Center, China Lake, CA 93555.

U.S. Citizenship is required. The Naval Weapons Center is an equal opportunity employer.

Season closes

Today is the last day of the Health Benefits Open Season.

Any eligible employee wanting to enroll in health benefits, or any enrolled employee wanting to change from one plan or option to another, or from self-only to self and family, should go to Room 100 in the Personnel Building.

New enrollments and changes in current enrollments will become effective on January 3.

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Job preference given spouses

The Assistant Secretary of Defense has issued Department of Defense (DOD) Instruction 1404.11 on the Employment of Spouses of Military Personnel. The Secretary of Navy has since issued Department of Navy (DON) guidance on this subject for Naval activities, which is contained in SECNAVINST 12310.

Effective July 20, 1987, any spouse (with status in Civil Service) of a military personnel will be afforded assistance in locating employment at the spouse's new duty station, as long as provisions outlined in the SECNAVINST are met. Briefly, preference to spouses of military personnel relocating under PCS orders will be provided as follows:

Military spouses must be selected ahead of other applicants for vacancies at GS-5 thru GS/GM-15 (or the equivalent under the Demonstration Project) and equivalent Wage Grade (Continued on Page 22)

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Video to be shown

On December 22 and 23 the American Red Cross' video on AIDS, "AIDS: BEYOND FEAR," will be shown at the Training Center at 8 and 10 a.m. and at 1 and 3 p.m.

This one-hour video is divided into three information segments. The first segment supplies a background of information. Visual explanation of how the AIDS virus affects the immune system and ultimately results in death will be shown. There will also be a discussion of the blood screening test that insures the safety of donor blood at blood donation centers.

The second segment delves into the fear of individuals with the AIDS virus and how AIDS affects all areas of our population.

Finally, the third segment covers fear in the community, social and psychological support of infected individuals and how public policies must be changed to handle this growing health menace.

A Training Request is not required as the video is being shown on a walk-in basis.

Only supervisors may receive EEO training credit by signing the roster at time of viewing.

Prof. Rivers, CSUN, will advise students

Professor Bill Rivers of Cal-State University Northridge (CSUN) will be on-Center Monday, January 11, to advise current and prospective students in the external degree program offered by the school in mechanical engineering.

CSUN has external degree programs in electrical engineering, applied mechanics and mechanical

engineering at NWC which lead to a master's degree. CSUN also has an external degree program in electrical engineering that leads to a bachelor's degree.

Those who wish to see Professor Rivers are asked to make an appointment by calling Cyndi Jones, NWC ext. 2648.

CSUN needs individuals to teach at NWC

Individuals interested in teaching for Cal-State University Northridge (CSUN) are invited to attend an informational meeting which will be held at the Officers' Mess commencing at 1 p.m. on Dec. 15.

Representatives of CSUN will be on-Center to provide information on teaching for the school and to answer questions from prospective instructors until 2 p.m.

CSUN has external degree programs on-Center in electrical engineering, mechanical engineering and applied mechanics at the master's level and in electrical engineering at the bachelor's level.

Tape is missing!

Someone has "checked out" the first tape in a series of tapes dealing with VAX/VMS for programmers from the Learning Center.

If anyone has this tape, please return it to the Training Center, Room 100.

For more information call Chuck, NWC ext. 2451.

Only Code 094 to make contact with training source

ALL off-Center training enrollments, cancellations and substitutions must be made with the training source by Code 094 personnel only. (Prospective students and/or their secretaries should not be making these contacts.)

Thank you for complying with this request.
— By Code 094

Preference . . .

(Continued from Page 21)

(WG) positions when:

(1) The vacancy is in the commuting area of the sponsor's new duty station; AND

(2) Written application for employment preference is made to the Civilian Personnel Department (Code 092) by the spouse; AND

(3) The military spouse is referred to the selecting officials as a Best Qualified candidate after competitive screening and evaluation; AND

(4) The grade of the position is no higher (and offers no higher promotion potential) than a grade the spouse formerly held in a permanent position in the competitive service.

Application of this preference applies only (1) when recruitment for a vacancy is through Merit Promotion procedures or when a military spouse is identified on a Certificate of Eligibles (or the equivalent) from the Office of Personnel Management (OPM); (2) to spouses who previously (currently) held (hold) permanent

Civil Service positions and, thus, are appointable; and (3) under the provisions outlined above.

Eligibility for the preference begins 30 days preceding thru six months following the sponsor's arrival at the new duty station, and is valid only until the spouse is placed into or declines any position for which registered for employment preference. Because of the delay in issuance of DON guidance, any spouse whose eligibility has lapsed will be afforded a one-time exception. The exception will be granted to spouses who have not secured Federal employment in the new location and will provide a full six-month period of eligibility from July 20.

Spouses eligible for positions at grades GS-1 thru GS-4 (and Demo/WG equivalent) are not eligible for preference in the selection process, but will be provided assistance in locating employment, including referral for positions for which the military spouse has registered and is fully qualified.

Any military spouse who meets the provisions outlined should contact Doris Sorensen of the Civilian Personnel Department, NWC ext. 3317.

Management course set

NWC's Training Center is sponsoring **GETTING RESULTS THROUGH PEOPLE** at the Heritage Inn. The class will be held January 4-6 from 8 a.m. until 4:30 p.m. and will be taught by Roger Kirkham. Getting Results Through People is highly recommended for all managers and supervisors. The deadline for applying for this course is December 28.

This course provides specific, proven management tools that enable managers and supervisors at all levels to improve getting results through people. The course has been carefully designed to focus on the heart of each topic. Instead of simply learning about the topics, participants will experience the tools, techniques and approaches presented which enables them to actually apply what is learned within the framework of their own jobs.

COURSE OUTLINE

•To Manage Others, First Manage Yourself

—Learning to separate the vital few from the trivial many

—How to improve your personal productivity

•How To Attract And Keep Good People

—Staffing in the coming seller's market

—Yesterday's organizational structures don't work

•How To Focus On Results

—Management techniques are useless if everyone isn't pulling in the same direction

—How to recognize and avoid the hidden traps of delegating

—The 12 most critical problems with objectives

•Improving Accountability Increases Productivity, Improves Morale And Enhances Communication

—Accountability can't be delegated

—Accountability meetings have proven to be a simple, effective way to substantially improve accountability at all levels

•How To Influence Up The Line

—Eight steps to get the support you want

•A Practical Approach To Motivation

—Recognizing what a manager or supervisor realistically can as well as can't do to motivate subordinates

—How to reinforce the strengths in others

—How to avoid destructive games organizations play

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personnel development
opportunity

OFFICIAL CORRESPONDENCE

February 11, 0800-1600, Training Center. By LaNelle Thompson.

Objectives: A class for all Center personnel who type, write or approve Subject Identification Code and the use of microfilming, identification of record material, disposal of records and use of the Federal Records Centers for storage will be discussed.

Deadline: February 10.

TRAINING AND TRAVEL

February 19, 0800-1130, Training Center. By NWC staff.

Intended Audience: All NWC clerks and secretaries.

This course is part of the NWC Basic Clerical forum class.

NOTE: Be sure and bring your Secretary Training Handbook to class.

Deadline: February 8.

BETTER NAVAL WRITING

February 12, 0800-1130, Training Center. By LaNelle Thompson.

Objectives: SECNAVINST 5216.5C sets new writing standards

ing; cross-referencing, indexing; and using file aids such as color codes, labels, file guides and recommended file folders. Use of the Navy Standard Subject Identification Code and the use of microfilming, identification of record material, disposal of records and use of the Federal Records Centers for storage will be discussed.

Deadline: January 29.

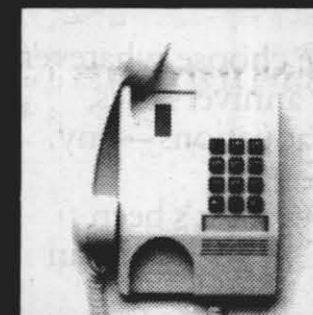
COMMUNICATION TECHNIQUES FOR THE PROFESSIONAL SECRETARY (8 hours)

January 27, 0800-1600, Training Center. By Prime Learning International.

Objectives: Good communication skills are key ingredients for success not only for secretaries but also for every other employee in business today. But secretaries play an especially important part in an organization's communication, and providing

(Continued on Page 24)

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