

WE HAVE GIFTS

We have gifts starting at \$5.00
for your Holiday Shopping



Oak Specialties

Tues.-Fri. 10-6, Sat. 10-6, Sun. 12-5

(619) 375-2625

Layaways



425 E. Ridgcrest Blvd.

Dec. 6, 1990

ON THE INSIDE PAGE
Wellness 2
MIPI's 5
Computer Chatter . . . 9
Sports 13
Personnel News . . . 14
Classifieds 23



	Peak		
	Max	Min	Gusts
Thurs.	61	19	3
Fri.	65	27	3
Sat.	--	--	7
Sun.	--	--	--
Mon.	64	22	8
Tues.	65	23	7

Surplus auction set next Wednesday by local DRMO

Local Auction 41-1113 of surplus government property will be held by the Defense Reutilization and Marketing Office at China Lake on Wednesday, Dec. 12. The auction begins at 9 a.m. in Building 1073, Warehouse 41. The public is encourage to bid. Items will be on display for inspection from 8 a.m. to 2:30 p.m. daily, except weekends, beginning Friday, Dec. 7.

Registration begins at 7:30 a.m. the day of the sale. Bidders must be present and registered to bid. Items purchased may be removed on the sale date provided full payment is made. Purchasers have until Dec. 19 to pay and remove items.

Since the sale is conducted within the Naval Weapons Center's interior security fence line, prospective bidders without an NWC pass must stop at the Main Gate Visitor's Center and obtain a pass before coming on-board. For details, call Phyllis at NWC ext. 2502/2538.

SECNAV extends reserve callup another 90 days

Washington (NNS) -- Secretary of the Navy H. Lawrence Garrett III extended Selected Reserves (SELRES) involuntarily recalled to active duty for Operation Desert Shield Nov. 16 for an additional 90 days.

The action, authorized by the President and Defense Secretary Cheney, will bring total active duty service for Naval Reservists involuntarily recalled to 180 days.

NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLV, No. 49, December 6, 1990

Fuze makes production milestone

NWC design solves problems for Navy, Air Force in less than six years

Once again, China Lakers supported their "can-do" reputation by taking a jumble of ideas, putting them on paper and getting a viable product into the fleet in only six years.

During the Vietnam conflict, there was a significant perceived failure rate for electric bomb fuzes, resulting in the Navy and Air Force undertaking development of their own new fuzes. After a number of failures, China Lake stepped in and said "give it to us, and we will build one fuze that will work for both branches," noted Eric Saikin, associate head, Fuze Safe-Arm Division.

Even though bomb fuzes were not normally developed at China Lake, Naval Air Systems Command gave the task to NWC in 1979. Under the direction of Larry Brauer, the Free Fall Weapons Fuze Branch, a combination of a branch and program

office in the old Fuze & Sensors Department, worked on developing the first microprocessor controlled fuze. "It was the first time DoD had ever used a microprocessor to control the arming function," explained Saikin.

An integral part of the fleet's weaponry, FMU-139B, a joint service fuze, replaces five Navy fuzes, FMU-124, MK-344, MK-376, M 905 and M 904; and four

Air Force fuzes, FMU-54, FMU-130, FMU-26 and FMU-81.

It has simplified logistics for the Navy and Air Force and has increased reliability and safety factors, due to the dual electronic timers -- digital and analog -- which prevent premature arming. It is powered by either onboard power supply or by power from the aircraft itself. Operational flexibility has also increased. The

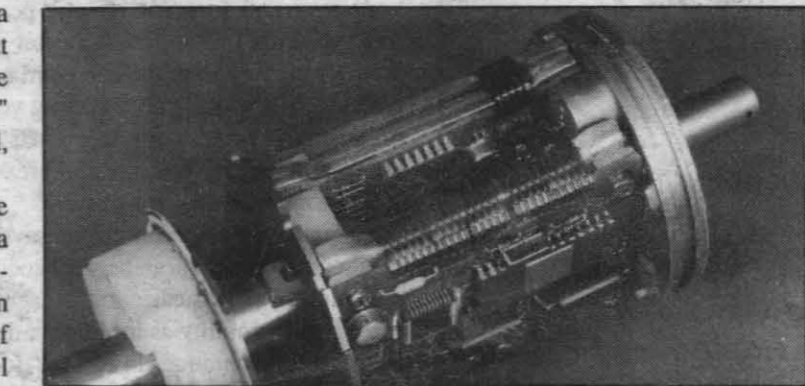
FMU-139B can be used in every general purpose bomb configuration and works on all tactical and strategic fixed wing aircraft.

The contract to produce the fuze was given to Motorola Corporation in 1980 and four years later, the FMU-139B had its first successful operational evaluation (OPEVAL), and was accepted into the fleet in 1985.

That same year, Saikin succeeded Brauer as branch head and helped bring the multi-service fuze into limited production.

"This program went from a 'let's do it' to building hardware for the fleet in six years," said Saikin. "That's unprecedented for a new fuze system."

Now the team needed to figure out how to get the bugs out of the program to allow for mass production. "We were trying to have the contractor build 400 fuzes a



FMU-139B

(Continued on Page 8)

Dogs get obstacle course training

Like the human counterparts, military working dogs need training before they are ready to go on active duty. And, they need to continue that training throughout their careers with the military.

Learning to obey commands at the time they are given is an important part of the military working dogs' training. The Naval Weapons Center has two military working dog teams. To aid in their training, a new obstacle course has been built on the corner of Dibb and King roads, next to the NWC Conference Center. A dog's version of the confidence or obstacle courses military personnel are faced with in their own training, this was built to meet special needs of the dogs.

China Lake Police Officer Sue Hunsaker says the obstacle course is designed to simulate different situations for the canines and handlers. "It's important the dogs do what we tell them to do, when we tell them to do it," Hunsaker said. "If they are balanced on top of the course's A-frame, for example, and we tell them to sit, they need to sit, not jump down." Just as military recruits learn to obey orders through training, the dogs learn to follow the commands of their handler.

Officer Hunsaker is the handler for Elseke, a three-year old Belgium Malinois. MA1 Jeff Morgan is in charge of Cito, a four-year old German Shepherd. Both dogs are trained in



WORKING DOG IN TRAINING -- MA1 Jeff Morgan, a dog handler assigned to the China Lake Police Operations, orders Cito, one of NWC's military working dogs, to stay as part of his training in the new military working dogs' obstacle course.

Photo by PH3 Cary Brady

(Continued on Page 7)

China Lake Calendar

Sat. Dec. 8
 . . . Breakfast Buffet With Santa Claus, NWC Seafarer Club, 9 to 11 a.m.

Tues. Dec. 11
 . . . China Lake Sun User Group at El Charro Avitia, 11:30 a.m.
 . . . Robert D. Smith presentation of Robust Design using Taguchi Techniques on Dec. 11, 9 a.m., Michelson Lab, room 1000D
 . . . WACOM Holiday Music Showcase, 11 a.m., Seafarer Club

Wed. Dec. 12
 . . . Surplus Government Property Auction, 9 a.m., Warehouse 41 (Building 1073)
 . . . CLWISE luncheon meeting, 11:30 a.m., Carriage Inn
 . . . SIGADA Popcorn Forum, 3:30 p.m., NWC Training Center
 . . . TARIF ribbon cutting ceremony, TARIF Building

Sat. Dec. 15
 . . . Craftech-sponsored shopping trip. NWC ext. 3252 for details

Items of interest to the China Lake population may be placed in the CHINA LAKE CALENDAR by calling the NWC Rocketeer at NWC ext. 3354 before 11:30 a.m. on Tuesday before Fridays publication.

Tips to survive cold and flu season here

Cold and flu season has arrived at the Naval Weapons Center and in the Indian Wells Valley. Perhaps colds and flu bugs can't be avoided, but here are tips on taking care of yourself or loved one.

Coughs and colds

These viral infections often begin with fevers (sometimes quite high). There may be a sore throat. Nose and upper airway secretions develop over one to three days, starting out thin and becoming rather thick. The secretions drip down the back of the throat (post-nasal drip), causing a cough. The cough is a protective measure to keep the secretions out of the lungs.

•Plenty of fluids, rest, actominophen for fever and tender loving care.

•A vaporizer in the room -- cool mist preferred. Medications should not be added to the vaporizer.

•A bulb syringe and salt water nose drops provide special relief for babies, infants and children who have not yet learned to blow their nose. You can make your own nose drops by adding one teaspoon of salt to a cup of water. A few drops with a medicine dropper into each nostril can be gently sucked out with a bulb syringe and may be repeated as needed.

•Over-the-counter cold medicines are of little value in promoting comfort. They don't make the illness go away faster and sometimes make the victim feel worse by

their drying effects. Fluids and rest work better.

Stomach flu

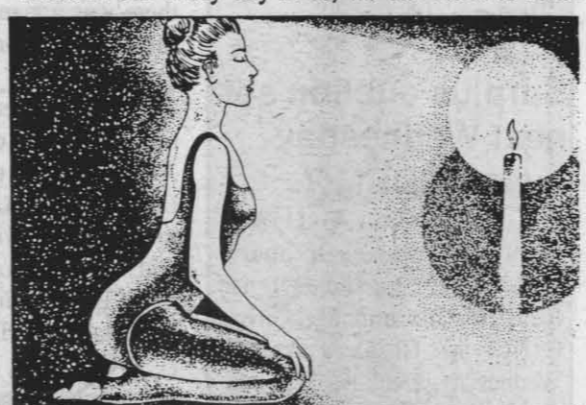
This is due to a viral infection of the intestines and is the most frequent cause of vomiting and diarrhea. Vomiting and diarrhea in themselves are not harmful. The diarrhea may be necessary to eliminate the virus from the intestines. If vomiting is present, it usually lasts several hours and the diarrhea may last several days. Treatment of vomiting and diarrhea includes allowing the stomach to rest and maintain hydration with a special diet. There are two aspects to the diets:

•Allow the stomach to rest with clear liquids. These are fluids that you can see

are stacked high, and the kids need braces, close your eyes and imagine yourself in your favorite vacation spot. Perhaps you're at the lake. Think about the boat swaying on the water, a fish tugging at your line. There's a scent of pine in the air and a warm breeze is rustling the reeds and brush. The sun is getting warmer -- feel like taking a dip before lunch? You get the idea. Your daydreams can take you away from a stress-packed day to a tranquil mental getaway. (And just think, this vacation is free!)

A stress-less frame of mind

Stress affects not only our physical health but our mental well-being, too. To successfully manage stress in our every day lives, we can learn to relax



Meditation helps focus on one image

and enjoy life. Meditation and visualization can help us take a break from outside pressures and improve our outlook on life. And, when we're in a stress-less frame of mind, we're better able to handle the trials, tribulations, joys and challenges of being human.

Wellness Corner

Mind games to lesson stress

Two mental exercises for stress management

The interesting thing about stress is that it means different things to different people. We may share common physical reactions to stress -- muscle tension and rapid breathing, for example -- but what one person finds to be exciting may leave another person frightened. You might say that in some ways, stress can be a state of mind. The following exercises are designed to help change a stressful frame of mind into a calm, peaceful one.

Meditate to erase the slate

You don't have to be a lover of bean sprouts and Eastern philosophy to enjoy the benefits of meditation. Meditation is just a technique to help you clear stressful thoughts from your mind and give yourself a break. Meditation is most successful when done in a comfortable, private place without distractions -- in a warm tub, for instance, or even in your parked car after the drive home from work. Start by closing your eyes and focusing on one peaceful word or image. When other thoughts enter your mind, let them go and return to the one word or image you've selected. In essence, you're erasing your mind's slate of "shoulds, could's, dos and don'ts" and allowing yourself the luxury of a peaceful break.

Daydream away -- it's okay!

Forget what your conscience says -- it's okay to daydream. In fact, it can be very good for you. Daydreaming -- or "visualization" -- achieves the same feeling of tranquility as meditation through a slightly different technique. Instead of focusing on one single peaceful thought, you think about an entire relaxing environment in full detail. For example, if winter snows and rain have got you down, the bills



ROCKETEER CLASSIFIEDS

TO PLACE AN AD
CALL 375-4481
 OR DROP IT BY
The Daily Independent!
 224 East Ridgecrest Blvd.

**ALL MILITARY PERSONNEL
 & THEIR DEPENDENTS MAY
 PLACE THEIR CLASSIFIED ADS
 FREE OF CHARGE!**

NON-MILITARY PERSONNEL that wish to place Classified ads in the ROCKETEER will be charged, PER ISSUE, as follows:

Ads up to 5 lines.....	\$3.00
Ads up to 10 lines.....	\$5.50
Ads up to 15 lines.....	\$8.00
Ads up to 20 lines.....	\$10.00
Ads over 20 lines.....	\$10.00 & \$1.00 per line over 20 lines.

CLASSIFICATIONS

PERSONALS.....	1	SERVICES.....	30
LOST & FOUND.....	5	AUTOMOTIVE.....	35
HAPPY ADS.....	10	MISC. FOR SALE.....	40
HELP WANTED.....	15	GARAGE SALES.....	45
RENTALS.....	20	PETS & SUPPLIES.....	50
BUSINESS.....	25	REAL ESTATE.....	55

DEADLINE FOR ALL CLASSIFIED LINE ADS IS 4:30 p.m. WEDNESDAY - PRIOR TO FRIDAY PUBLICATION

5 LOST & FOUND

LOST ON 11/18/90 on Kearsarge Ave. - Blue & Black "Vision" skateboard taken from our yard. If you have infor., please call 446-7811.

20 RENTALS

2BR, NEAR BACK GATE - Nice area, extra roomy. \$440/mo. + sec. W/T/Pest Control paid. Fenced patio and back yard. Pet O.K. 375-6307.

DOWNTOWN - Newly remodeled. Coin-op laundry. Pet O.K. 805 N. Balsam - \$328. Garage avail. at extra cost. 446-6487.

2BR, 1BA - Curtains, carpet, stove, refrig., w/d hookups, 2 fenced yards, easy access to Richmond Rd. Gate. \$425/mo. + \$500 dep. 375-9058.

FIRST MONTH HALF OFF SPECIAL - 2BR, 2BA, \$450/mo., \$300 dep. pool & jacuzzi in courtyard. Water/trash, basic cable paid. 375-7642. Furniture Available. CALL ANYTIME!

LARGE 1BR APTS. Close to main gate. Stove, refrig., w/t paid, laund. facilities on premises. Avail Now! \$325/mo. + \$250 sec. Call now for Holiday Discount! 377-5960 or 371-6765. Leave message.

ROOMMATE NEEDED: Share 3BR apt., in town. \$160/mo. + 1/3 utilities. contact 371-4448.

1 BDRM., 1 BATH

Walk in closet/refrigerator
\$395/month
 ERA Vaughn Realty
 446-6561

30 SERVICES

CLOCK REPAIR: Guaranteed work. Specializing in antiques, Grandfather, Cuckoo, Anniversary & Atmos. 375-5511, mornings & weekends.

DAYCARE IN MY HOME (24 years experience) - ALSO DROP-IN BABYSITTING. Base certified. 300 Sellars Cir. (on base). 446-2548

HOUSECLEANING - Reasonable rates and references. 446-4338.

EDWARDS PAINTING SERVING THE AREA SINCE 1979 CALL FOR AN ESTIMATE. LIC.#427485 375-1439

SEWING, MENDING, ALTERATIONS & IRONING. 300 Sellars Cir. (on base). 446-2548.

WINDOW TINTING Stop interior fading. Quality work. 5 year guarantee. City licensed. Call for free quote. 371-2511. 6:30 a.m. - 10:00 p.m. Collins Window Tinting

WINDOW TINTING - Auto, commercial and residential. Call Larry at 446-6612.

RAINBOW RIDGE SCHOOL has openings in the Pre-School program for 2 1/2-5 yr. olds and latch key students, K-6th grade. Call Barbara at 375-7708 or come to 639 N. Norma St.

35 AUTOMOTIVE

1988 CHRYSLER CONQUEST TSI 2.6L Turbo - power everything, very nice car, still under factory warranty, many extras. Asking \$9,500; leave message, 446-2604.

35 AUTOMOTIVE

1988 FORD FESTIVA - \$3,000/OBO. 44k miles. Contact Leanne at 446-6750.

YAMAHA YZ400 - Helmet, chest protector and boots. Best offer. 446-1667.

1978 GMC CUSTOM VAN. AM/FM stereo cassette player, 4 captains chairs & full bench seat, all newly recovered. Looks great, runs good, \$3,200. 375-1532.

40 MISC. FOR SALE

An Apple IIe PC - 128K, Ram, upgradable. Zenith Hi Res. color monitor. Oki Mate 20 color printer. \$595. 446-5399 after 4 p.m.

GE compact refrig. 1.1 cu. ft. Used once. Paid \$100, asking \$60. 446-5299.

LARGE LUXURIOUS, MODERN TOWNHOUSE in quiet R/C neighborhood. 2BR, 2BA w/w carpet, stove, refrig, d/w, garage w/auto opener. Non-smoker. \$515/mo. 619-374-2408.

CHRISTMAS IS COMING! 15" fashion dolls in beautiful hand crocheted outfits. Call 446-7577.

DIVORCE SALE - Sofa and Loveseat, 3 pc. entertainment center, bookshelves, full size Somma Waterbed, Bentwood Rocker, automatic baby swing, crib, portacrib, carpet-Blue, color TV, 10-speed bike, lamps, coffee table and sofa table, dinette set, plant stands, coat rack, stereo, mini blinds, washer and dryer, new solid oak bedroom set. 446-5393.

NEW SOLID OAK Bedroom Set - King Pier Group with lighted headboard, chest, dresser/mirror, ent. center. Paid \$4,000, sell for \$3,000. 446-5393.

40 MISC. FOR SALE

SOLOMON SX/81 SKI BOOTS, hardly used; asking \$150 - leave message. 446-2604.

TANDY 1000PC, PRS-80 MONITOR, Citizen 120D printer, Deskmate software package. \$575. 446-3811.

WEATHER TAMER SNOW SUIT, size 10, Boys denim winter jacket, size 12. Both practically new. Other boys clothing. 446-7577.

BRAND NEW Saga Mink Jacket - size 12. \$1000 firm. 446-3811.

50 PETS/SUPPLIES

CHOW CHOW PUPPIES for sale - Just in time for Christmas. Ready

Dec. 21st. 3 males, 2 females, 4 black, 1 brown. Reserve now - \$100 each. No papers. Ask for Tony. 446-7314.

55 REAL ESTATE

LARGE COUNTRY HOME - 2760 sq. ft., 1.26 acres, 10 years old, large pantry, 3 car garage (34x34), lots of storage, beautiful landscaping, 2 party well. Newly remodeled. Must see to appreciate. A steal at \$124,950! (206) 876-6268 or 375-9505.

NEW ON MARKET VA Assumable \$5,000 down. Energy efficient 3BR, 2BA house, great location, plus extras. MUST SEE! 375-7929, leave message.

MILITARY 100% APPROVED!

\$5,000

NO CREDIT CHECK!

FREE Debt Consolidation/Credit Improvement Course.

ALSO AVAILABLE

\$200 GIFT CERTIFICATE & A FREE VACATION WITH EACH CREDIT LINE!

As Seen On Television!

LOANS! NO TURN DOWNS! LOW MONTHLY PAYMENTS!

FREE DETAILS! CALL 1-803-272-1378

SHOP WORLDWIDE • GET INSTANT CREDIT AND BEAT THE CHRISTMAS RUSH!

Published by High Desert Newspapers, Inc. 224 East Ridgecrest Blvd. Ridgecrest, CA 93555 (619) 375-4481



This commercial enterprise (CE) newspaper is an authorized publication. Content of NWC ROCKETEER are not necessarily the official view of, or endorsed by, the U.S. Government, the Department of Defense or High Desert Newspapers, Inc.

The editorial content is edited, prepared and provided by the Public Affairs Office of the Naval Weapons Center, China Lake. Correspondence and material for publication should be addressed to: Editor, NWC ROCKETEER, Code 0033, Naval Weapons Center, Phone: 939-3354. FAX: 939-2796

Commander -- CAPT. DOUGLAS W. COOK Technical Director -- WILLIAM PORTER Acting Public Affairs Officer--ALAN C. ALPERS

Editor -- STEVE BOSTER Staff Writer -- PEGGY SHOAF Staff Writer -- KRISTINE SMITH Photographer -- PH3 CARY BRADY

China Lake, CA 93555-6001; telephone (619) 939-3354; E-Mail SCF:Rocketeer.

Published by High Desert Newspapers, Inc., a private firm in no way connected with the DoD or U.S. Navy, under exclusive written contract with the NAVWPNCEN. This commercial enterprise newspaper is an authorized publication for members of the military services. Contents of the Rocketeer are not necessarily the official views of, or endorsed by the U.S. Government, the Department of Defense, or NAVWPNCEN. The appearance of advertising in this publication, including inserts and supplements, does not constitute endorsement by the Department of Defense or of the products or services advertised. Everything advertised in this publication shall be made available for purchase, use, or patronage without regard to race, color, religion, sex, national origin, age marital status, physical handicap, political affiliation, or any other non-merit factor of the purchaser, users, or patron. A confirmed violation or rejection of this policy of equal opportunities by an advertiser will result in the refusal to print advertising.



Elegant to Casual
Dining and Entertainment
in the
Indian Wells Valley



**DON'T WORRY BE HAPPY
AT SANDPIPER LOUNGE**

DON'T WORRY
LOW DRINK PRICES AND FREE HORS D'OEUVRES

Monday Margaritas and Mexican Food
Tuesday Pitcher Beer and BBQ Specialties
Wednesday Wine Specials and Chesse & Crackers
Thurs. & Fri. Fresh Seafood Bar w/Clams, Jumbo Size Shrimp and Oysters

BE HAPPY
ATLAS HOTELS HAPPY HOUR FROM 4:00 TO 7:00 P.M.
SANDPIPERS LOUNGE AT THE CARRIAGE INN



Let Everyone
Know About
Your Special
Menu!
Call 375-4481
for advertising
information

SCHOONER SALOON RESTAURANT

11a.m.-Midnight
Mon.-Sat.,
1-9 p.m. Sun.

446-3103
1400 N. Norma St.

MONDAY NIGHT FOOTBALL SPECIALS
BIG SCREEN TV
During Game Only
\$1 BEERS
50° HOT DOGS
75° CHILI DOGS
8 Beers on Draft Served
in Ice Cold 20oz.
"Schooner Glasses"

Sub-Marina

32 VARIETIES OF:
• Submarine Sandwiches
• Deli Sandwiches
• Sub Salads
• Party Subs
• Party Trays

Catering For All Occasions
Fast To Go Orders
CALL
446-5001
TIVOLI CENTRE
1400 N. NORMA ST.

Call 375-4481
For Home Delivery of *The Daily Independent*

Blimpie is America's Best Dressed Sandwich

You're Invited To Try Our New Every "Week Night" Bargains

Monday Steak & Cheese	Tuesday Beef, Cheddar & Chili	Wednesday Blimpie Best
Thursday Hot Roast Beef with Au Jus	Friday Pastrami	

Only **\$3.99** Includes: Regular size Blimpie Sandwich, chips and a large soft drink.
Offer good from 5 p.m. - Closing
Not valid with any other special
REMEMBER: FREE REFILLS ALWAYS

Blimpie 1028 N. NORMA
FAX- 446-3867
446-6969

NWC Rocketeer
The 'Voice'
of NWC for all of
China Lake Community.

For more information
or to place a display ad
call

375-4481

The deadline for display ads is Monday 4 p.m.

Two brave Vampires utilize skills to save shipmates life

If confronted with a life and death situation which required action or medical assistance on your part, would you be able to handle it? We often hear of people challenged with such a dilemma and many of us wonder if placed in similar circumstances would we be able to cope or end up being one of those individuals in the background not knowing what to do. Two Air Test and Evaluation Squadron Five (VX-5) Vampire's ability to referred to in Cardio Pulmonary Resuscitation (CPR) training as the Heimlich maneuver. After a few minutes Turner motioned for Cummings to take over the motion while he inspected Jennings mouth for food particles. Minutes later the culprit piece of roast beef found its way out of the very grateful choking victim. "I was scared," said Cummings, "your adrenaline starts pumping and all you can think about is whether or not you're

have demonstrated unique bravery which saved another human life."

The Antelope Valley Chapter covers 430 square miles and several years ago inherited the Ridgecrest and China Lake area. "The chapter offers excellent services and we want people aware of the services now here in China Lake." The chapter provides services to military veterans, active duty military and family members. Services include financial



VX-5 SAILORS SAVE LIFE - Fran Stewart, (center) executive director for the Antelope Valley Chapter of the American Red Cross presents AOAA David R. Turner (left) and AOAA Charles E. Cummings (right) with the American Red Cross Certificate of Recognition for Extraordinary Personal Action. The two young vampires utilized Red Cross life saving skills to save a fellow shipmate from choking to death.

Photo by PH3 Cary Brady

handle such a crisis was recently put to test at the Naval Weapons Center's Galley during dinner hours. AOAA Charles E. Cummings and AOAA David R. Turner were taking part in the roast beef dinner special when they noticed a fellow co-worker and friend, AEAN Mike Jennings, signaling for them to come to his table. "At first he was coughing, but then motioned he couldn't breathe and started turning colors from lack of oxygen," said Turner. The choking victim grasped Turner who immediately placed a closed fist below the victims rib cage to force air out of his lungs as he applied upward thrusts. This technique is doing the right thing!" It was the first time either of the young men were faced with a life and death situation. "I know if the same thing happened to me I would want someone to come and help me out!" exclaimed Turner.

The two Vampires were hailed by the American Red Cross for utilizing Red Cross life saving skills to save a human life. Fran Stewart, executive director for the Antelope Valley Chapter of the American Red Cross presented the two young men Certificates of Recognition for Extraordinary Personal Action. "The Red Cross Certificate is not something easily obtained," commented Stewart, "these two men assistance, counseling, referrals, training in first aide, CPR, water safety, as well as blood programs, veterans programs, health and youth programs. "We now have a base office, courtesy of the NWC Commander, Capt. Douglas W. Cook, that's a plus because we're very happy to be here," stated Stewart. The new office is located at 1908 Dobb, China Lake, Calif.

Cummings and Turner have decided it might be a good idea for them to become CPR instructors based on their recent experiences. "Just think, as instructors you now have a real life rescue story to relay to your students!" commented Stewart.



The Skipper Sez...

QUESTION
I would like to know why there is a general lacksadaisical attitude with personnel during the morning, particularly during the colors ceremony. Why doesn't anyone stop and observe colors like they should? I am a military active duty member and I think it is a shame people don't stop and observe colors like they should. Thank you.

ANSWER
At times, it may appear that we display a "lacksadaisical attitude" toward ceremonies, customs and traditions in reference to honoring the United States Flag. As human beings, we need a reminder of the age-old tradition of honoring our flag at morning and evening colors.

Colors are held every morning at 8 a.m. and every evening at sunset. This daily ceremony is held in front of the Headquarters Building. During colors, military and civilians within sight or hearing traditionally render honors. If outside, you should cease work, face the colors and salute until the last note of the anthem. If in civilian clothes or athletic gear -- stop and face the colors at attention. If a hat is worn, it should be removed, held in the right hand, over the heart. If no hat is worn, you render honors by holding the right hand over the heart. A woman in civilian clothes, with or without a hat, should stand at attention and place her right hand over her heart. Drivers of motor vehicles should pull over and stop, if traffic safety permits. A China Lake police officer is on hand at the Knox and Blandly intersection to promote safety during colors observance.

QUESTION
Captain. I am a secretary and my concern is the new classified folders. My biggest concern is if one of these folders are put on the desk with the white side up, there is no indication that it is a classified document. I feel these folders should be printed on the front and back, exactly the same, so we can identify them as classified.

ANSWER
This problem, which exists only on the confidential file folders, was previously identified by the Security Division. New confidential file folders have been ordered and will be marked on the reverse in the same manner as the secret file folders. Until the new supply is received, the back of the file folders should be stamped confidential when they are used. The supply currently in central storage has been stamped to eliminate that part of the problem, pending receipt of the new stock. Thank you for your concern.

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

Naval pre-separation classes offered
Thinking about leaving active duty? Are you aware of all of your benefits? Have you considered continuing your military career in the Naval Reserve? Have you set a plan for your future?
The Pacific Fleet Career Information team conducts pre-separation counseling presentations at Naval activities in California, Nevada, Oregon, Washington, Idaho, Hawaii and Guam. These classes contain information in five major areas -- (1) separation paperwork, including the DD-214; (2) veteran benefits; (3) educational/medical/dental benefits; (4) Naval Reserve programs; and (5) personal property moves.
Within these major categories is an extensive amount of information vital to both officer and enlisted personnel separating from active duty. For more information and a schedule of pre-separation counseling presentations, contact AZ1 Rick Mixon at (805) 982-2291, autovon 551-2291.



Say, whose birthday is it anyway?

From time to time, I receive requests to reprint an article that proved to be particularly meaningful to a number of individuals because of its message. It is in view of such a request that I am once again offering the thoughts of the following.

"Anticipation," some say, "is greater than realization." To a certain extent, I believe, this is true: one only need recall warm feelings of excitement at the thought of acquiring something desired for a long time, or at the thought of seeing someone sorrowfully missed, or of going somewhere exotic and pleasurable. Just thinking about these things is exhilarating, because the imagination is given full liberty to bask in a future delight!

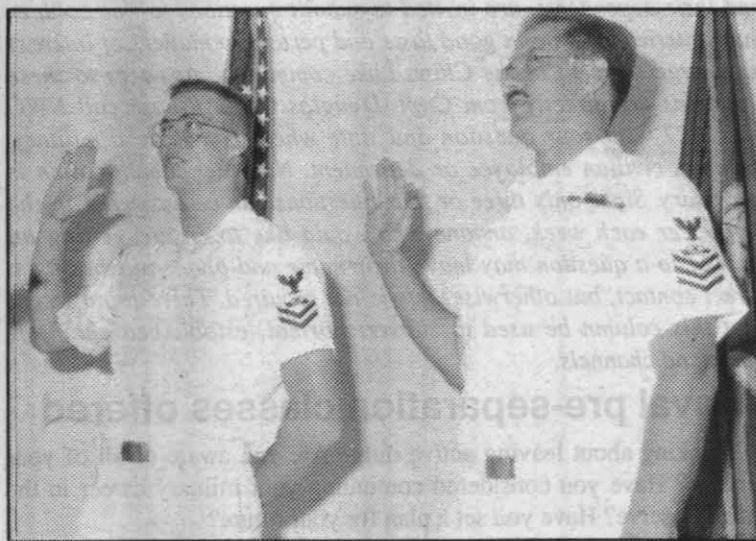
One can, however, take "anticipation" to an extreme, and this is doubly bad when the motivation for it is rather questionable. I am referring, as point of concern, to the barrage of yearly "Christmas commercials," the first of which I was shocked to view on TV just this last week. There was something disturbing about it, something untimely, something "not quite right" about seeing a Christmas tree decorated in attractive ornaments and hearing Christmas music caroled sweetly and sentimentally while the commercial's announcer invited listeners to send away now for their own, very own, album of recorded Christmas favorites. . . and, at the right price! I couldn't help thinking that the grease-paint hadn't even been applied to Halloween faces, nor had we felt the discomfort of having eaten too much Thanksgiving turkey. "The toy companies are going to get you," I mused, "and it will be soon!"

Well, if Christmas comes but once a year, then why not take this very lucrative season and stretch it back to Thanksgiving? Why not past Thanksgiving to Halloween? Well, what's wrong with mid-October? At this rate, parents might expect to shop for Christmas along with September school clothes.

I hope that I am not being an alarmist about this, but I comfort myself with the thought that others may sense the impropriety of this kind of "anticipation." It robs the season celebrating Christ's birth of its fundamentally spiritual nature and significance. I shudder to think of how many children this year will come to identify the up-and-coming Christmas holidays with yet another occasion to receive toys and presents continually thrown into their consciousness by commercials designed to acquaint them with only a secondary aspect of the celebration of Christ's birth! I sometimes wonder whether some parents measure the amount of the love they have for their children by the amount of toys and gifts they shower on them at Christmas. Perhaps, we are beginning to "buy" the not-so-subtle message of the commercials which seem to be successfully pushing the Savior back into the corner of "token remembrance." Say, whose birthday is this anyway???

Yearly anticipation of the Nativity is hardly a bad thing. Preparation for any celebration is always prudent. For the Christian who takes his calling seriously, Christ can be "born" into his heart as a daily occurrence, and there is reason to be joyful and glad because of this. But, the greatest gift that any parent can bestow on a child is the proper understanding of the Christmas season which has, as its basis, the celebration of a birth that has made eternal happiness a reality for all believers. Indeed, the gifts that we exchange at Christmas are only tokens of the profound joy that we feel for the Father's "gift" to us. "Putting Christ back into Christmas" is a sad thought: He never should have been taken out of it.

By LCdr. S. A. Casimano, CHC, USN
Command Chaplain



IS THERE AN ECHO? -- No, just double sets of hands raised and voices saying I promise to serve. AQ2 Thomas Tye, Code 61212, and AQ1 Cody Augustine, Code 61212, took the oath for added service as a team. Tye reenlisted for six more years and Augustine for three. LCdr. Jim Tankersley, Code 35B5 reenlisted the two Naval Weapons Center sailors.

Photo by PH3 Cary Brady

Persian Gulf briefs changed

All NWC military and DoD personnel who hold a secret clearance are invited to attend weekly briefs discussing the current issues in the Persian Gulf. All attendees must have a secret clearance to participate.

The meetings are held every Wednesday morning, 8 a.m. in the VX-5 conference room, Hangar 1. For more information, contact Lt. Kevin L. Baker, intelligence officer at NWC ext. 5728.

**High Desert Child Abuse Prevention Council
24 Hour Parent Help Line**

375-7100
•Support for parents under stress
•Information/referral
•Anonymous reporting of sus-

NWC Branch Medical Clinic sends reminder

Colds and flu are prevalent this time of year and the Naval Weapons Center's Branch Medical Clinic personnel would like to remind everyone of that fact. The clinic is making the best possible use of available medical resources to care for the upsurge in patient visits over the last two months. Operation Desert Shield has not reduced the number of the clinic physicians yet has significantly reduced the supporting hospital corpsmen staff. The clinic's weekday appointment lines open at 7 a.m. and all appointments are usually filled soon thereafter. Please continue to call the clinic to check on appointment availability prior to using your CHAMPUS benefits.

In October 1986, the clinic stopped seeing retired and retired dependent patients after normal working hours and on weekends. This policy was designed to ensure sufficient health care resources are available to treat active duty and occupational health personnel. Active duty dependents may be seen after working hours and on weekends by appointment and at the discretion of the Medical Officer of the Day. For all appointments, please call NWC ext. 2911. Your patience and support are appreciated.



Divine Services

Protestant	
Sunday Worship Service, East Wing	8:00 a.m.
Sunday Worship Service, Main Chapel	10:30 a.m.
Sunday School, 1008-10 Blandly & 1903-05 Mitscher	9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June)	11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday	6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday	7:00 p.m.
Islamic	
Jumaa Prayer (Friday at 1006 Blandly)	12 (noon)
Roman Catholic	
Sunday Mass, Main Chapel	9:00 a.m.
Daily Mass, Small Chapel	11:35 a.m.
Confessions, Weekdays	By appointment
Religious Education Classes (Sunday) (September thru May)	10:30 a.m.
1902 Dibb, 1002 Blandly, 1008-10 Blandly & 1903-05 Mitscher	
Jewish	
(NWC ext. 2851)	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday at 1004 Blandly)	3:00-5:00 p.m.
Religious Education (Sunday at 1004 Blandly)	9:00 a.m.-12 noon

Chaplain S. A. Casimano, LCDR, CHC, USN
Chaplain G. L. Goodman, LT, CHC, USNR
Andy Busch, Student Rabbi
Hearing Impaired Equipment, Nursery Available
Phone NWC ext. 3506, 2773, 2873

Community Events

This is the last weekend (Dec. 7 & 8) for *Steel Magnolias* which plays at the Old Kern County Building, Ridgecrest Blvd, at 7:30 p.m. Tickets are available at the door and the box office will open at 6 p.m., for each performance. General admission tickets are \$6, while military, students, and senior citizens cost \$5.

American Association of Retired Persons will hold its December meeting starting at 1 p.m. on Sunday, Dec. 9, at the Ridgecrest Senior Center, 125 S. Warner St. The meeting will be preceded by a potluck lunch. All members should attend, as officers for 1991 will be elected. Richard Orwig, a member of the Kern Tax Association, will show a video and give a short talk on the purposes of the group. Members are reminded that dues for 1991 are coming due.

Don't miss the Cerro Coso Art Gallery's first Alumni Art Show with a reception in the gallery foyer on Dec. 12, at 7 p.m. Showing will be Cerro Coso Alumni Mark Archer, ceramic forms; Dick Benson, paintings; Lori Boyd, two-dimensional works; Ann Kratz and Betty Spindler, three dimensional works.

Cerro Coso Community College Associated Student Body, the Retired Officers Association and the East Kern County Chapter, American Society for Public Administration will sponsor a talk by the former executive director of the World Federalist Association, Southern California Region, on Dec. 12, 7 p.m., in the Cerro Coso College Lecture Hall. Ted Leutzinger will speak on "A New United Nations in a Changing World." Admission is free.

Presenting a lecture on "The 1990 Philippine Earthquake," the Maturango museum invites all to join guest speaker Chuck Christman, one of the nation's top experts in underground rescues. The lecture will be held at the museum on Dec. 19 at 7:30 p.m., and is open to the public.

From Dec. 15 through Jan. 9, the Maturango Museum will host their annual "Open Art Show." Members of the museum are invited to exhibit their artwork in a non-juried show. A reception for the participating artists and museum members will be held on Dec. 14 from 7 to 9 p.m. This exhibit is sponsored by Tony Peltz, owner of The Framery, located on China Lake Blvd. Entries are still being accepted.

Eleanor Lottee will narrate the history of holiday traditions at the WACOM holiday luncheon meeting Dec. 11th. Christmas music will be provided by Shirley Helmick on piano with vocals by Sandra Raines, Stella Renner, Ann Pagge, and Debra Zeit. Social hour begins at 11 a.m. followed by the luncheon and program at the Seafarer's Club. For reservations call 375-9600.

Help with the Holiday food baskets for Christmas is essential

Two hundred thirty-six baskets of food were delivered by the Holiday Food Basket Program for Thanksgiving. This Women's Center-High Desert sponsored effort was made possible by the generous donations of over 50 local businesses and organizations, and numerous individual donors and volunteers. But the food basket phone is still ringing. Many deserving and needy people did not get in on the Thanksgiving giveaway and are now calling, in hopes of receiving food for Christmas. Additional donors are needed if the requests of these families are to be met. If your organization or business has not already adopted a family for the holidays, please call the Food Basket answering machine at 446-6756. Someone will get back to you and explain what you can do to help a needy family have a Merry Christmas.

Children's Book Sale!
Thurs., Fri. & Sat. - Dec. 6, 7 & 8
All Childrens & Young Adult Books
50% or less of original prices
Christmas Books, Classics, Fables & Much More.
The Book-Let has something for everyone on your Christmas list - Gifts for stocking stuffers & under the tree.
Books on tape for sale or rent - Easy on your eyes and great for travelers.
Self help, Financial, Management & New Age Cassettes available.

BOOK-LET
BOOKS - NEW & USED
CARDS & CASSETTES
130 Balsam 375-1725

We Stock Tarot Cards
Gift Certificates Available

Great holiday gifts for the entire family

When you are considering holiday gifts, remember that the Maturango Museum's memberships make great gifts. By giving a museum membership, you give many opportunities to participate in field trips, attend lectures and members only art gallery receptions, participate in the December Open Art Show and get involved in efforts to help preserve the natural and cultural history of our area. As an added bonus you will receive 10% off regular gift shop purchases and 20 percent on special sales.

If you would like to renew your membership now, please do so. Your renewal would begin when your current membership expires. For more information call 373-6900.



We're your vision Headquarters

•FOR EYE EXAMINATIONS We use the latest technology in testing your vision so that you get the most accurate prescriptions possible. **•FOR EYEGLASSES** We precision grind lenses to your exact prescription. Clear glass or plastic. Tins and photochromics. **•FOR FRAMES** Our selection of fashion eyeglass frames is second to none. We also carry a vast collection of designer eyewear at discounts. **•FOR CONTACT LENSES** They're more comfortable, more convenient to wear and now come in a selection of beautiful colors! Daily wear soft contact lenses. Extended wear. Lenses for astigmatism.

ONE DAY SERVICE, ON MOST PRESCRIPTIONS

1 DAY EXPRESS SERVICE
DR. DANIEL MALLORY
1400 N. Norma Suite 209
446-5555
We Accept Medi-Cal

CSUN plans courses for external degree program

Following are classes being offered this spring for the California State University, Northridge (CSUN), Engineering Program (master's degree). To enroll, submit a NAVWPNCEN Form 12410/73, Request for On-Center Training, via department channels to Code 224. Registration will be held at the first class meeting. *Deadline for enrolling is 10 calendar days before the starting date of the class.* Enrollments in courses will be on a "first come, first served" basis, unless otherwise stated.

EE 461N: Digital and Data Communications Systems (3 units) -- January 29-May 21; Tuesdays, 1610-1910; Training Center. By Professor Ray Pettit, CSUN, (818) 885-4722.

Prerequisite: EE 450: Probabilistic Systems in Electrical Engineering - Design and Analysis and EE460: Introduction to Communication Systems or equivalent or consent of instructor.

Scope: An introduction to digital communications systems. Topics include coding schemes such as Pulse Code Modulation and Delta Modulation, channel capacity considerations, performance of baseband systems, amplitude shift keying, frequency shift key and phase shift keying. An introduction to data communication methods will also be included.

Text: *Digital Communications.* Haykin, Wiley, 1988.

EE 569N: Advanced Topics In Communications/Radar (3 units) -- January 28-May 23; Mondays, Wednesdays and Thursdays, 1130-1230; Training Center. By Dr. Wade Swin-

ford, NWC ext. 2878.

Prerequisite: EE 550N: Random Processes or equivalent or consent of instructor.

Scope: Presentation of recent topics in communications and radar, using selected papers from current literature as the basis.

ME 501B: Seminar in Engineering Analysis (3 units) -- January 29-May 23; Tuesdays and Thursdays, 1610-1740; Training Center. By Frank Mansfield, NWC ext. 2627.

Scope: Analytic and numerical methods applied to the solution of engineering problems at an advanced level. Solution methods are demonstrated on a wide range of engineering topics, including structures, fluids, thermal energy transport and mechanical systems. ME 501A and ME 501B form an integrated, two semester sequence. ME 501B emphasizes physical phenomena that can be described by Panal Differential Equations.

Note: This is a core course for the master's degree program in mechanical engineering through CSUN.

Text: *Advanced Engineering Mathematics.* Kreyszig Wylie, sixth edition; and *Basics of the Finite Element Method.* Paul E. Allaire. W.C. Brown Publishers, 1985 (ISBN 0-697-00119-9).

ME 594C: Seminar on Turbulence (3 units) -- January 28-May 20; Mondays, 1610-1910; Training Center. By Dr. Gutmark, NWC ext. 3745.

Prerequisite: Knowledge of fluid dynamics and viscous flows.

Scope: Introduction to turbulence, laminar and turbulent flows, basic equations of motion,

Reynolds decomposition, Eddy viscosity. Turbulence theories: mixing length, statistical approach, energy balance, large-scale coherent structure. Free shear flows: turbulent shear layers, jets and wakes, plumes. Wall bounded turbulent flows: boundary layer flow, instability and transition, relation to drag, separation and heat transfer. Turbulent flows in engineering. Measurements of turbulent flows and visualization techniques: hot wire anemometry, laser doppler velocimetry, temperature fluctuations measurements.

Text: *A First Course In Turbulence.* H. Tennekes and J.L. Lumley. M.I.T. Press, 1989.

IE 507C: Seminar In Industrial and Systems Engineering (Simulation) (3 units) -- January 31-May 23; Thursdays, 1610-1910; Training Center. By Professor Kang Chang, CSUN, (818) 885-2166; and Luke Crews, NWC ext. 4867.

Scope: Application of computer simulation to design and analysis of engineering systems. Model

development and validation. Includes simulation of both discrete event and continuous variable systems.

Note: This is a core course for the master's degree program in systems engineering through CSUN.

Text: *Simulation Modeling and Analysis.* Avenill M. Law and W. David Kelton. McGraw-Hill, second edition.

AM 542: Finite Element Method In Mechanics (3 units) -- January 30-May 22; Wednesdays, 1610-1910; Training Center. By Ron Marvin, NWC ext. 5116.

Prerequisite: A course in structures and a knowledge of a computer programming language such as FORTRAN or consent of instructor.

Scope: Study of structural mechanics problems by use of finite element method. Course will cover review of background information, formulation of the various basic elements, assemblage of elements and application of the method to selected topics

in structural mechanics.

Text: *Finite Element Structural Analysis.* T.Y. Yang, Prentice-Hall, 1986.

MATH 477: Theory of Probability (5 quarter units) -- January 8-March 14; Tuesdays and Wednesdays, 1610-1810; Training Center. By Dr. Lee Lucas, NWC ext. 5219.

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

Scope: Axiomatic probability, random variables, density and distribution functions, common probability distribution, conditional probability, central limit theorem.

Note: This is a foundation course for the master's degree program in systems engineering through CSUN and for the master's degree program in computer science through CSUC. This is a required course for the bachelor's degree program through CSUC.

Comments

For more information, call Cecil Webb at NWC ext. 2648.

CLINT EASTWOOD
CHARLIE SHEEN
THE ROOKIE

WARNER BROS. PRESENTS
A MAIPASO PRODUCTION CLINT EASTWOOD CHARLIE SHEEN RAUL JULIA SONIA BRAGA "THE ROOKIE" MUSIC BY LENNIE NIEHAUS
WRITTEN BY BOAZ YAKIN & SCOTT SPIEGEL PRODUCED BY HOWARD KAZANJIAN & STEVEN SIEBERT AND DAVID VALDES
DIRECTED BY CLINT EASTWOOD

STARTS FRIDAY DECEMBER 7TH EVERYWHERE

CABLE PRICES TO HIGH?
TRY MOJAVE SATELLITE SYSTEMS

SALES SERVICE REPAIR
100% FINIANCING AVIALABLE
CALL FOR FREE DEMONSTRATION
1009 N. STRECKER ST. RIDGECREST, CA 93555
(619) 377-5966
BUREAU OF ELECTRONIC AND APPLIANCE REPAIR #E 28434

MIPIs earn recognition for seven people

Eight more Model Installation Initiatives (MIPIs) have been approved by Capt. Douglas W. Cook, Naval Weapons Center Commander, noted personnel in the Model Installation Program Office. The seven originators recently gathered together to receive their MIPI hats and coffee mugs, along with the commander's thanks for helping to make doing business at China Lake a little easier.

No. 363 -- Jerrilee De Geus, Code 36521, proposed the development of a sliding scale for child care costs at NWC Child Care Centers.

No. 386 -- Jerry Stein, Code 2602, suggested replacing the Benny Sugg program with the MIPI program and allowing the originators to be eligible for financial awards. While the initiative has not been adopted as proposed, part of it is being incorporated into the Code 05 effort.

No. 465 -- Jon Osgood, Code 267, submitted an initiative which allows for a payroll deduction for military service credit paybacks.

No. 681 -- Also suggested by Osgood, this MIPI requested approval for local authority to temporarily or permanently divert Navy family housing units, eliminating the need to secure approval from NAVFAC. NWC has received this authority.

No. 590 -- This MIPI, submitted by Ken Newton, Code 2625,

requests restriction be placed on the overall contract, rather than individual line items. NWC is still waiting for approval at a higher level.

No. 712 -- Pat Rizzardini, Code 2703, recommended NAVWPNCENINST 5213.6D be rewritten to allow for automatic generation of forms once the format has been approved by a

central office. Code 2151 is taking action to automate forms and will rewrite the instruction when guidance from a higher authority is received.

No. 740 -- Jay McClellan, Code 6214, noticed the long lines at the Visitor Center. He suggested a separate window to exclusively handle vehicle decals and badge

changes. Code 24 agreed there was a need to expedite the badge/decals process, so they revised their procedures so all windows can now issue decals or update badges.

No. 865 -- Larry Brauer, Code 3268, noted procedures to be a recipient for the Leave Donor program were redundant. The memo and form needed to apply

for the program stated the same information. Personnel in the Human Resources Department have already initiated part of this MIPI in that only a single form now needs to be submitted. Brauer's second recommendation, that "personnel" be trained in the procedure changes, has also been accepted.



WELL DONE--Hats, mugs and certificates went to seven China Lakers who submitted Model Installation Program Initiatives. To qualify for recognition, the MIPI needs to be approved at the local level by the NWC Commander. Eight MIPIs were submitted by the seven in efforts to improve the way NWC conducts business. TID Photo

Officers maintain radar patrol on board Center

Motorists on board the Naval Weapons Center (NWC) are reminded that China Lake Police (CLP) officers enforce state and NWC traffic regulations.

According to Kerry B. Swiggum, traffic manager, CLP Operations Branch, areas of concentration for radar traffic enforcement for next week are listed below.

- Monday -- Lauritsen Road.
 - Tuesday -- Poleline Road.
 - Wednesday -- Sandquist Road.
 - Thursday -- Richmond Road.
 - Friday -- Knox Road (North).
- Violations may be cited at any time, as well as in areas other than the ones mentioned above.

COME BY AND SEE ME FOR YOUR HOLIDAY NAILS!

- MANICURES
- ARTIFICIAL NAILS
- PEDICURES
- EAR PIERCING

FOR YOUR PLEASURE NAIL SALON

825 N. CHINA LAKE BLVD 371-4111

CINDY MITCHELL OWNER

Gremlin Glass

Stained Glass Works

- Windows
- Lamps
- Hangings
- Supplies For The Hobbyist

Specializing in Custom Windows for Home or Office.

375-9597

THE CANDY DISH
"Homemade" Candies

NOW OPEN

Peanut Butter Cups \$6.50 lb.	Truffles \$7.00 lb.
Choc. Covered Cherries \$6.50 lb.	Flavored Truffles \$7.50 lb.
Dinner Mints \$6.50 lb.	Greeting Cards \$7.00 ea.
Crepe Centers \$6.50 lb.	Filled Greeting Cards \$7.50
Assorted Choc. \$6.50 lb.	Choc. Roses \$1.75 ea.

Also have some Hanukkah Candy

Special Orders Welcome
Christmas orders must be placed by Dec. 14
For information & to place your order call 446-7838

Do-It-Yourself External Mac Drives

create external drives, even removable external drives

Enclosures with everything you need for an external Mac hard drive:

- very attractive, quality case (this is a fully formed case, not just extruded aluminum with end plates) with manuals & utility software all packed in an attractive end-user box
- heavy duty power supply
- 3' or 6' SCSI cable
- StorWare software for formatting & partitioning your drive
- super-easy-to-use (award-winning, in fact) instructions

All you add is the drive. Make your present internal drive external for only \$189 (\$175, quantity 10) nothing else to buy. Or, make your own: Buy any 3 1/2" or 5 1/4" SCSI drive & put it in the above case.

You can even make 3.5" drives removable for only \$89 more. Do it yourself or we'll do it for you for \$30.

Computing Technology

Computer Store

251 Balsam 375-5744 quality, service, price

Craftech sponsors holiday shoppers' bus trip to outlet mall near Barstow

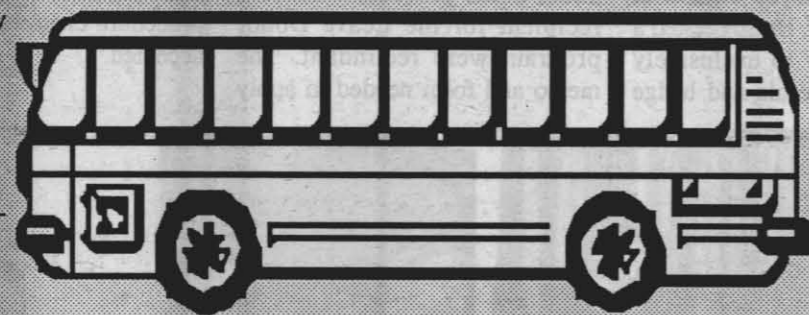
Need to get out of town to do some Christmas shopping, but don't want to fight the traffic? Take advantage of the Craftech-sponsored bus trip to the Factory Merchants Outlet in Barstow on Saturday, Dec. 15. The bus leaves the Craftech Center at 8 a.m., arriving in Barstow by 10 a.m.

Participants are then free to explore and/or shop in the fifty plus factory outlets. Shop for everything from toys to fine china and brand name clothing to power tools. The bus is scheduled to leave

Barstow around 2:30 p.m. and should arrive in China Lake by 5 p.m.

Cost is only \$9 for DoD personnel and \$8 per military per person. I.D. cards are required and are needed for identification the day of the trip. While prior registration is not required, it is recommended to ensure a seat.

To register, simply stop by the Craftech Center from 10 a.m. to 7 p.m., Monday through Friday or from 10 a.m. to 2 p.m. on Saturdays. For more information, call NWC ext. 3252.



MWR offers tickets to recreation spots

Christmas time is almost here and Southern California amusement parks are getting into the holiday spirit. Enjoy the pageantry, special lights and Christmas magic.

MWR's Craftech currently has specially discounted tickets for special dates in December for Disneyland, Sea World and Universal Studios.

December is a great time to visit Disneyland as the park is transformed into a glistening Yuletide wonderland. Military and DoD personnel, and their dependents, can enjoy special savings on Dec. 8 and 9. Cost is only \$18.25 per person. The tickets include free parking, a \$4 value, and unlimited use of the park. Tickets bought at the gate are \$27.50 for adults and \$22.50 for children.

Christmas has come to Sea World this year and military and DoD personnel can enjoy all the sights, sounds and smells of a quaint Bavarian village at the park for a special price.

For the first time, Sea World is having a Holiday Festival, which will feature strolling carolers, ice skating, special shows, Shamu's Holiday Village, hot chocolate, baking bread, cider and fudge. Cost is only \$10.50 per person.

Universal Studios is also getting into the Christmas spirit. Enjoy the magic for only \$14 per person.

These discount tickets are only available at Craftech. They are not sold at the respective amusement parks recreation facilities in Southern California. These are the last before Christmas discounts.

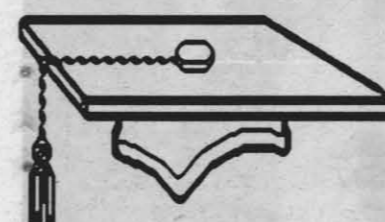
Cal-State Chico announces upcoming classes

To enroll, submit a NAVWPNCEN Form 12410/73 via department channels to Code 224

Following are classes being offered this spring for the California State University, Chico (CSUC), Computer Science Program (bachelor's or master's degrees). To enroll in these classes, submit a NAVWPNCEN Form 12410/73, Request for On-Center Training, via department channels to Code 224. Registration will be held at the first class meeting. **Deadline for enrolling is 10 calendar days before the class starting date.** Enrollments in courses will be on a first come, first served basis, unless otherwise stated.

CSCI 152: Operating Systems Programming (3 units)
Feb. 9-10, March 16-17, May 11-12; Saturdays and Sundays, 0800-1600; Training Center. By Professor Clem Luk, CSUC, (916) 898-4590. Lab, which will be conducted by Howard McCauley, NWC ext. 2274, will be held on Tuesdays from 5 to 6 p.m., commencing Feb. 12.

Prerequisite: CSCI 171: Computer Architecture or equivalent or consent of instructor.



Scope: Operating system concepts and techniques. Course includes study of linkage-editors, loaders, channel operations and interrupt handlers.

Text: TBA.
Note: This is a core course in the bachelor's degree program in computer science through CSUC. This is a required foundation course for the master's degree program in computer science through CSUC.

CSCI 222: Expert Systems and Applications (3 units)

Jan. 29-May 23; Tuesdays and Thursdays, 1400-1515; Training Center (via satellite). By Professor Anne Keuneke, CSUC, (916) 898-5998.

Prerequisite: CSCI 151: Algorithms and Data Structures or equivalent or consent of instructor.

Scope: The basic concepts and techniques of current and future expert systems. Emphasis is on (1) expert systems shells, (2) the reasoning behind their design, and (3) their use for specific applications. Use of a subset of the languages Prolog (Programming in Logic), OPS5, VPEXPERT, EMYCN and other expert systems shells will be included.

Text: A guide to Expert Systems. Donald Waterman. Addison-Wesley, 1986.

CSCI 311: Software Design (3 units)

Jan. 29-May 23; Tuesdays and Thursdays, 0800-0915; Training Center (via satellite). By Professor Ralph Hilzer, CSUC, (916) 898-5748.

Prerequisite: CSCI 210: Software Engineering or equivalent or consent of instructor.

Scope: Tools and techniques for design and implementation phases of software life cycle. Design heuristics, structured design, impact of language features on design and coding style, design representations and implementation strategies. Data structure and data-flow-driven designs.

Text: TBA.
Note: This is a required course for the software engineering option of the master degree program in computer science through CSUC.

CSCI 380: Digital System Design (3 units)

Jan. 29-May 23; Tuesdays and Thursdays, 1230-1345; Training Center (via satellite). By Professor Robert Britton, CSUC, (916) 898-4487.

Prerequisite: A digital logic design course or equivalent experience or consent of instructor.

Scope: Application of top-down digital logic design tech-

niques to the design of contemporary digital systems, with a special emphasis on Reduced Instruction Set Computer (RISC) architectures.

Text: TBA.
CSCI 320A: Digital and Analog Transform Theory (3 units)

Feb. 2-3, March 2-3, April 6-7; Saturdays and Sundays, 0800-1600; Training Center. By Professor Luxenberg, CSUC, (916) 898-4653.

Prerequisite: Mathematical interest and ability.

Scope: Seminar in the application of Fourier Transform methods to transmission methods. Bandwidths, data rates, relation between signal-to-noise and bit error rates. The sampling theorem and pattern recognition.

Text: *Fourier Transform and Its Application*. Bracewell. McGraw-Hill, 1986, second edition.

MATH 477: Theory of Probability (5 quarter units)

Jan. 8-March 14; Tuesdays and Thursdays, 1610-1810; Training Center. By Dr. Lee Lucas, NWC ext. 5912.

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

Scope: Axiomatic probability,

random variables, density and distribution functions, common probability distribution, conditional probability, central limit theorem.

Text: TBA.
Note: This is a foundation course for the master's degree program in systems engineering through CSUN and for the master's degree program in computer science through CSUC. This is a required course for the bachelor's degree program through CSUC.

Comments

Job-related courses other than those listed above or those offered under contract with Cal-State, Chico; Cal-State, Bakersfield; or Cal-State, Northridge must be approved on a DD 1556 (Off-Center Training Request) before registration if NWC is expected to pay for the training. For more information, call Cecil Webb at NWC ext. 2648.



Breakfast with Santa



Only one day remains to buy advance tickets for the Morale, Welfare and Recreation Division-sponsored Breakfast With Santa on Saturday in the Naval Weapons Center's Seafarer Club.

This special buffet breakfast features Belgian waffles and a wide assortment of other breakfast foods. Advance tickets are \$4.75 for adults, \$3 for children between two and twelve years of age. Kids two and under are admitted free. At the door tickets will be \$6

and \$4 respectively. For \$1.25 more, youngsters can have their picture taken with Santa Claus. Tickets are on sale at the Youth and Children's centers onboard NWC.

MAKE EXTRA CHRISTMAS MONEY

 Military personnel and their dependents can use free **ROCKETEER** classified ads to sell household items!

CALL 375-4481

Deadline for ads is close of business Fridays!

Offer Expires 12/31/90 Over 1600 Centers Internationally

50% OFF

For NUTRI/SYSTEM® Services

 901 N. Heritage Dr.

 446-6888

 weight loss centers

*Special offer does not include the cost of NUTRI/SYSTEM, office, maintenance, and cannot be combined with other offers. As people vary, so does individual's weight loss. Valid only with the purchase of a new program at a participating center. One discount per person.

DESERT COUNSELING CLINIC

COMPREHENSIVE PSYCHOLOGICAL SERVICES for CHILDREN, ADOLESCENTS and ADULTS

- Depression
- Family Therapy
- Anxiety
- Stress Management
- Behavior Problems
- Alcohol & Drug Abuse
- Psychological Testing
- Crisis Intervention

24 Hour Emergency Response

Most insurances accepted. A locally owned non-profit corp. Serving Ridgecrest for 40 years.

375-9781
 Ridgecrest, CA

Because Learning And Fun Should Go Hand In Hand

Computer Store

 251 Balsam 375-5744 quality, service, price

Enjoy Christmas with your family in your new home.

Elegante Mobile Home Sales

 has a

SunPointe

 BY FLEETWOOD®

1991 Model 3 Bedroom, 2 Bath

Model 3483B

 Approx. 1,128 sq. ft.

\$38,414¹⁶

 Including park package & set-up.

 13.75% APR. 1st year rent \$99/mo.

\$522⁶⁵

 TOTAL MONTHLY PAYMENT

 Including Space Rent. Offer good for limited time only. Serial #13424

OPEN 7 DAYS - Mon.-Fri. 10am-5pm - Sat. & Sun. 12noon-4pm

 Located in Boulder Pointe Mobile Home Park

620 W. UPJOHN Sid & Pat Getz 375-6176

WOOD'S

Christmas Tree Farm

 Open 9-4:30 Sat. & Sun. till Christmas

 Fresh Wreaths \$15.00

\$3.50 per foot Over 9' \$35.00

 You may reserve a tree Now to Cut Later!

 623 Rhebas Way

 377-5558

 Beverly & Claude Wood

Training Center offers development courses

Telephone Techniques (for all employees) (4 hours)

Jan. 15, 0730-1130, Training Center. By Lyn Wilson.

Scope: In this course, you should learn how to save time, identify and personalize each call, listen more effectively, make courtesy work for you, screen calls, handle multiple calls, handle the difficult caller, relieve stress, be at your professional best at all times, and much more.

Deadline: December 27. Security for Scientists, Engineers and Technicians (11 hours)

Jan. 22-24, 0800-1130, Training Center. By Code 24.

Intended Audience: Scientists, engineers and technicians whose duties involve access to classified information or unclassified technical information.

Scope: This class will familiarize with the DON and NWC information, personnel, computer, operations and computer security programs. The class will include procedures and requirements for distribution statements, public disclosure and classified meetings.

Deadline: January 8.

CSUB plans spring schedule

Following are classes being offered this winter for the Cal-State University, Bakersfield (CSUB) bachelor's degree in business administration and the master's degree in administration programs.

To enroll in these classes, submit an On-Center Training Request and Authorization Form (NAVWPNCEN 12410/73) via department channels to Code 224. Registration will be held at the first class meeting. *Deadline for enrolling is 10 calendar days before the starting date of the class.* Enrollments in courses will be on a first-come, first-served basis, unless otherwise stated.

MGT 302: Introduction to Operations Management (5 quarter units)

Jan. 7-March 11, Mondays, 1610-2110, Training Center. By Professor Vigen, CSUB, (805) 664-2332.

Prerequisite: MGT 301: Quantitative Methods for Business Decisions or equivalent or consent of instructor.

Scope: An introduction to processes for planning, operations and control of manufacturing and service systems. Topics include design of production systems, production planning and control, plant layout, work measurement, quality control and equipment utilization.

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

ACC 303: Managerial Accounting (5 quarter units)

Jan. 10-March 14, Thursdays, 1610-2110, Training Center. By Professor Burrows, CSUB, (805) 664-3406.

Prerequisite: BS AD 1b: Principles of Accounting II or equivalent or consent of instructor.

Scope: Internal accounting, with emphasis on generation of information for managerial planning and control. Cost accumulation through conventional systems, and for fully automated factories, comparison of budgeted and historical data, introduction of standards and analysis of variances. The concepts of direct costing, responsibility accounting, by-product and joint product costing.

ADM 600: Seminar in Management (5 quarter units)

Jan. 10-March 14, Thursdays, 1610-2110, Training Center. By Professor Taryan, CSUB, (805) 664-2326.

Scope: Examination and application of theories and concepts pertaining to the effective acquisition, allocation and utilization of resources -- human, financial and material in pursuit of organizational objectives. Deals with the functions of management, including planning, organizing, controlling, directing and staffing of complex organizations, as well as the processes of management, including leadership, decision-making and communication.

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

General Comments

Job-related courses other than those listed above or those offered under contract with Cal-State, Chico; Cal-State, Bakersfield; or Cal-State, Northridge, must be approved on a DD 1556 (Off-Center Training Request) before registration if NWC is expected to pay for the training.

For more information, call Cecil Webb at NWC ext. 2648.

Co-workers need a helping hand

(Continued from Page 16)

Polly Bainbridge, Secretary, Code 3922 -- is currently undergoing medical treatment and is indebted for leave.

Carolyn King, Engineering Data Management Specialist, Code 36541 -- underwent surgery.

George Petty, Physicist, Code 3924 -- was admitted to the Duke University Hospital on an emergency basis with the diagnosis of acute myelogenous leukemia.

Satik Martinsen, Management Assistant, Code 36402 -- is diagnosed as having nodular sclerosing Hodgkin's Disease and is currently undergoing treatment.

Jane E. Casey, Code 3412, Technical Writer/Editor - underwent surgery to remove a malignant tumor.

Jay W. Hill, Code 6421, Electronic Technician - is being treated for pneumonia and valley fever and is indebted for leave.

Leave Donation Form
Complete and send to Code 221

From: _____ Code: _____

I wish to donate _____ hours of my annual leave to: _____

I have attached a copy of my last leave and earning statement.

Signature _____ Date _____

THE LINE-UP

SPORTS SHOP

Enter Our Raffle To Win Great Prizes!

- 1st Prize - \$100 Shopping Spree
- 2nd Prize - Orel Hershiser sports figurine
- 3rd Prize - 90 Fler baseball card set

- No Purchase Necessary! -

FREE AUTOGRAPHS!
Former Angels Outfielder **Ellis Valentine**
December 22, 1p.m.-3p.m.

<p>CLOTHING: T-Shirts • Pro-Caps • Official Starter Jackets • Pants • Sweats • Jerseys • Sports Bags • Socks</p>	<p>BASEBALL CARDS: Topps • Donruss • Fleer • Score • Upper Deck • Singles • Sets • Supplies • Non-Sport Cards</p>
<p>SPORTING GOODS: Baseballs • Softballs • Gloves • Bats • Basketballs • Footballs • Soccer Balls • Equipment</p>	<p>COLLECTIBLES: Sports Impressions • Plates and Statues • Pennants • Pins • Trashcans • Clocks • Sports Ornaments • Posters, And More!</p>

Officially Licensed Product
 OFFICIAL LICENSEE MAJOR LEAGUE BASEBALL
 OFFICIAL LICENSEE PRODUCT

THE LINE-UP

1400 N. Norma, Ste. 115 • Ridgecrest (619) 446-6747 or (805) 945-3144
Store Hours: Mon.-Fri. 10 to 7, Sat. 10 to 5, Sun. 11 to 5
Watch For Our New Location in Palmdale Coming Soon

Dogs benefit from training

(Continued from Page 1)

attack procedures and how to sniff out illegal substances.

The course starts with an 18 inch by 8 foot tube, which allows the animals to become used to crawling through tight spaces.

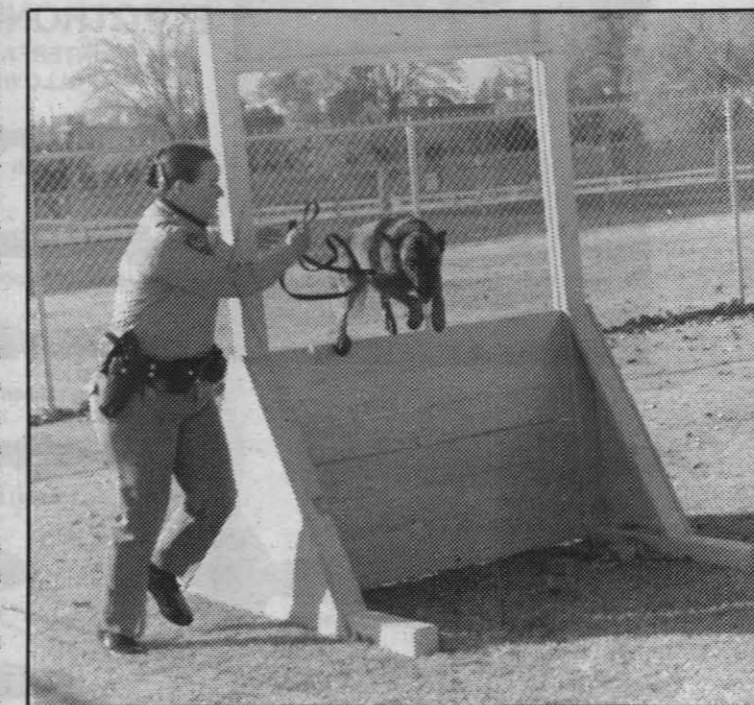
Steps give the dogs practice in walking and running up and down stairs, stopping upon command.

Jumps, ranging from 6 inches to 3 feet, not only strengthen the canines' legs, but gives them practice jumping over a wide range of objects. The fourth jump simulates an open window.

The catwalk, an 8-inch wide balance beam 3-feet off the ground, aids the animals in keeping their balance and walking on narrow ledges.

Hunsaker noted the course is not a playground, the training undertaken is serious business for handlers and dogs alike. The course is off limits to all unauthorized personnel.

The ultimate goal of such training is quick and proper response from the dogs in any situation. The quicker military working dogs obey a given command, the more efficient they are in aiding law enforcement officers in their duties.



UP AND OVER--China Lake Police Officer Sue Hunsaker gives the command to Elske, a 3-year old Belgium Malinois, to jump through the "simulated" window, which is part of the new obstacle course, near the NWC Conference Center, for the Naval Weapon Center's two military working dogs.

Photo by PH3 Cary Brady

Leisure Travel sets new office hours at China Lake

SATO Travel has changed its hours to 8:30 a.m. to 5 p.m., Monday through Friday. For information about Leisure Travel (SATO), call 446-7752/7751.

NWC HOTLINE
Integrity, efficiency program
Call: NWC ext. 3636 (24 hours)
or call the Inspector General at:
(800) 522-3451 (toll free)
288-6743 (Autovon)

Shop Where Santa Shops

Come in and see our huge inventory of:

- BASKETS
- POTS
- PICTURES

All in a wide selection of sizes, colors and shapes.

Windows, Walls 'n Floors
Ridgecrest Towne Centre
371-2212

Center for Practical Psychology

- Psychology
- Alcohol & Drug Treatment
- Stress Management
- Marriage Counseling
- Adolescents
- Psychological Testing

(619) 375-1206
722 N. Norma - Ste. C
Ridgecrest, CA 93555

By Appointment
Adults, Adolescents, Children, Group

The Book Store

Our Christmas Present To You

Up To **50%** Discount
On Purchases Over \$25.00

Holiday Hours
Mon.-Fri.
9:30 a.m. - 8:00 p.m.
Sat.
9:30 a.m. - 6:00 p.m.
Sunday
11:00 a.m. - 4:00 p.m.

Textbooks & Special Orders Excluded

Free Gift Wrapping

Mystery Guest Author Signing Books
December 13th,
5 p.m. - 7 p.m.

216 Balsam • 375-2358

Desert Shield mail guidelines offered

DoD says parcels can show off U.S. image

Getting mail to service members overseas has always been important. Department of Defense (DoD) officials say Desert Shield postal operations have taken on an even greater significance because of host-nations' political, cultural and religious concerns.

While it is already too late for most mail to reach the troops serving in Operation Desert Shield before Christmas, they will continue to want mail throughout their deployment.

The commander of U.S. forces in the Middle East, Army Gen. Norman Schwarzkopf, has asked people to use good judgement and to respect local culture when sending mail to the region.

Saudi Arabia, for example, bans sexually suggestive photos or magazines that contain photos of scantily clad men or women or promote "exotic" lingerie. Military Postal Service Agency and U.S. Postal Service representatives suggest pictures of girls and women should reflect "American standards of good taste."

Adhering to DoD mail guides ensures parcels will reach their Persian Gulf destinations and help dispel the "ugly American" image our adversaries are trying to promote, said a DoD spokesperson.

Senders who are writing to specific individuals must provide name, unit and the proper APO/FPO numbers. If the APO/FPO isn't known, send the mail to the units' address prior to deployment and it will be forwarded more quickly than mail sent to the wrong APO/FPO number.

The second option is the "any service member" generic address. This is not for mail addressed to specific individuals. Once again those addresses are: for ground personnel;

Any Servicemember
APO NY 09848-0006
and, for sailors and Marines afloat in the region;
Any Servicemember
FPO NY 09866-0006

For questions, comment or complaints about mail service to Operation Desert Shield participants the Military Postal Service Agency can be reached at (703) 325-8796/8869 or Autovon 221-8796/8869. *American Forces Information Service*

Prospect Park Village

presents our
Holiday Vacation Bonus

It's Your Choice

Free Vacation to
Puerto Vallarta or Cancun
Mexico

Good with each lease
signed before Christmas
2 - 3 & 4 bedrooms
at 449 Toro - China Lake Road & French
(1/2 miles east of McDonalds)

3 Options To Choose From

- FREE Vacation for 2 to Puerto Vallarta or Cancun, Mexico (Complete with round trip airfare and lodging).
- \$150 toward move-in Costs
- Your 7th month rent FREE

It's Your Choice - You Can Choose Any One!

To qualify, simply sign a six-month lease and move-in

- Large Pool • Jacuzzi • Lighted Tennis Court
- Pool Deck Tanning • Basketball Court • Children's Jungle Gym
- Duplex Style Apt's • Patios or Backyards Fenced • Carports
- Garages (Limited) • Fireplaces (Limited) • Refrigerators
- Washer/Dryer Connections • On Site Laundry

**** Call 375-6543 - Open 10-Dark Every Day ****

Promotional opportunities

(Continued from Page 15)

Directorate only.

No. 62-043, Communications Specialist, DS-393-2/3, Code 62544- This position is located in the Range Communications Section of the Range Support Branch of the Range Department. Incumbent will operate the Communications System, Management Center in the Range Communications Center. Incumbent will assist in the operations of the microwave receiver equipment, assist in the operations and maintenance of electronic communications equipment, act as the central focal point for receiving trouble calls and requests for assistance, and monitor the total communications alarm and status management system, including the Optical Range Communications system, within the Range Communications Center.

Job Relevant Criteria: Knowledge of modern digital electronic communications equipment (multiplexers, demultiplexers, channel banks, audio/video digitizers); knowledge of analog voice and video equipment (lightwave/muldem, video modulators, video demodulators, orderwire); knowledge of basic analog and digital microwave equipment operations and NAVWPNCEN test range operations; ability to use communications test equipment (bit error testers, audio signal analyzers, oscilloscopes, multimeters, etc.). Must be able to obtain and maintain Secret clearance. Promotion Potential to DS-3, but not guaranteed.

No. 62-044, Electronic Technician, DT-856-2/3, Code 62544- This position is located in the Range Communications Section of the Range Support Branch of the Range Department. Incumbent will operate the Communications System, Management Center in the Range Communications Center. Incumbent will assist in the operations of the microwave receiver equipment, assist in the operations and maintenance of electronic communications equipment, act as the central focal point for receiving trouble calls and requests for assistance, and monitor the total communications alarm and status management system, including the Optical Range Communications system, within the Range Communications Center.

Job Relevant Criteria: Knowledge of modern digital electronic communications equipment (multiplexers, demultiplexers, channel banks, audio/video digitizers); knowledge of analog voice and video equipment (lightwave/muldem, video, modulators, video demodulators, orderwire); knowledge of basic analog and digital microwave equipment operations and NAVWPNCEN test range operations; ability to use communications test equipment (bit error testers, audio signal analyzers, oscilloscopes, multimeters, etc.). Must be able to obtain and maintain a Secret clearance. Promotion potential to DT-3, but not guaranteed.

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 applications must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (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. 62-041, Electronics Engineer, DP-855-1/2/3, Code 6254- This position is located in the Range Support Branch, Data Systems Division, Range Department. The incumbent will be responsible for general engineering support to the branch. This will include system design, hardware design, and component level assistance in support of numerous electronic systems, such as timing equipment, radios, microwave equipment, lightwave multiplexing equipment, channel banks, modems, etc., within the branch. The incumbent shall also be responsible for documentation, material support, scheduling of implementation and coordination of installation services, installation and checkout of systems, and operational support. Duties include: developing documentation procedures and configuration drawings on a Macintosh PC for physical, electronic, and electrical installation requirements at various range facilities; monitoring of contracts and contracted personnel; organizing complex tasks and information; developing, planning in detail, and organizing clear documentation for equipment installation purposes. The incumbent must have experience with digital electronic equipment, test equipment, Macintosh PC, and MS DOS based PC equipment and software. The capability to effectively communicate with others both orally and in writing is also desired. The position requires travel on the ranges, off-Center for training, and engineering coordination for conference purposes. Applicants must be able to obtain and maintain a Top Secret clearance. Promotion potential to DP-3, but not guaranteed. To apply, submit a current SF-171 to O.J. Dovre, Code 6254, NWC ext. 6717.

Early registration slated

Early registration for spring courses for continuing students at Cerro Coso Community College will be Dec. 10 and 11 by appointment. Early registration for new students will be Dec. 10 by appointment. Regular registration for continuing students will be Jan. 7-10 by appointment, while continuing and new students can register Jan. 8 and 9 by appointment. Schedules will be available in the Training Center lobby when released by the college.

The Center will pay for an employee's tuition if the courses are provided under the NWC/Cerro Coso Contract. If the courses are job-related or will strengthen the Center's mission, tuition will be paid directly to the college by Code 224.

(Continued on Page 17)

Don't forfeit use-or-lose leave, become a donor

Employees indicated below have been approved to become leave recipients under the Leave Transfer Program. These employees have exhausted annual and/or sick leave because of personal emergencies and will be in a non-pay status for at least ten days. Employees who wish to donate annual leave to the employee should fill out the form at the end of this column, clip it out and send it to Code 221. For more information about this program, call NWC ext. 2018.

Marlene Nelson, Paralegal, Code 006 -- underwent unexpected emergency surgery and is in need of leave.

DeWayne Davis, Engineering Technician, Code 3665 -- underwent surgery and is in need of leave.

Linda Lou Crosby, Television Production Specialist -- had knee surgery and is undergoing physical therapy.

Barry A. Smith, Electronics Engineer, Code 3931-- is experiencing symptoms of meningitis and is indebted for leave.

Melvin R. Mather, Engineering Technician, Code 3921-- is recuperating from surgery and is indebted for leave.

Patricia Jaime, Editorial Assistant, Code 3647 -- is undergoing medical treatment and is in need of leave.

Susan E. Gehres, Secretary, Code 3112 -- was involved in a car accident and is under a doctor's care at Loma Linda. She will not be able to return to work until March.

Madeline Kay Blackston, Computer Security Specialist, Code 6447 -- is required to care for her husband who has terminal lung cancer.

Cheryl Mosley, Secretary, Code 3217 -- is in need of leave to care for her son who underwent surgery.

Lorraine Gunther, Supervisory Mathematician, Code 303 -- underwent emergency surgery and is indebted for leave.

Jo Miller, Mathematician, Code 3191 -- is in need of leave due to multiple medical problems.

Teresa McGowan, Equipment Specialist, Code 3641 -- is indebted for leave due to major surgery.

Deborah Leonard, Secretary, Code 6535 -- had a gall bladder attack and is indebted for leave.

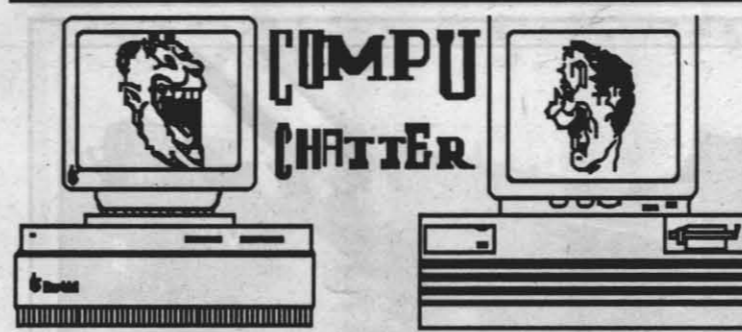
Teresa Clower, Procurement Clerk, Code 2623 -- is taking care of her husband who has had two major hip surgeries. She has exhausted all her leave.

Tamera Nelepovitz, Electronic Technician, Code 3573 -- is experiencing severe complications due to dependent diabetes and is indebted for leave.

Linda Watkins, Procurement Analyst, Code 2504 -- is in need of leave due to ongoing treatment for cancer.

Karen Linard, Industrial Engineer, Code 3291 -- underwent major intestinal surgery and is in need of leave.

(Continued on Page 18)



Sponsored By: PC Lab, Code 2741 NWC ext. 6631

Attack of the Killer Tomatoes at NWC

Ok, it really wasn't a killer tomato attack at NWC, neither is this a joke, but I did get your attention. So, please, read on.

Nobody likes to read about viruses any more, but this is a serious issue. The latest virus to hit NWC was not a Mac virus. The Jerusalem B virus was detected on IBM PC and compatible machines recently. Thankfully, to our knowledge, the virus did not spread out of one building. The building was quarantined until the virus could be completely removed from all computers in the building. The quarantine lasted for about a week, during which time no data was allowed to enter or leave this building. Talk about a major inconvenience!

The Jerusalem B is a parasitic resident type of virus. This means the virus infects and depends on other files to flourish and it does not go away on its own volition. Most commonly, the Jerusalem B attaches itself to .COM and .EXE files and increased the file size of each by over 1800 bytes. There are different strains of the Jerusalem B which can also infect .SYS and program overlay files. In addition, this virus may also slow down your computer to the point where you will notice a definite loss of performance.

Like all viruses, this is not one to toy around with. While there has not been an overwhelming concern about virus protection on IBM PC and compatibles; that time is now over. The Department of Defense has purchased a license to load VIRUS Scan on government owned PCs. The VIRUS Scan software is available through the PC Lab. The software is available on 5 1/4 inch low density diskettes; a blank low density floppy is requested in exchange when picking up your copy of the software. You can save some time if one person from your department picks up a copy of the software and then loads the software on each IBM PC and compatible machine in the department. Since we are expecting many people to pick up VIRUS Scan soon, it's advisable for you to call the PC Lab at NWC ext. 6631 to be sure that there are copies in stock before coming over to pick up the software.

One more thing, please contact the PC Lab immediately if you detect a virus on your PC. Not only are we documenting exactly which viruses infect machines at NWC, we also want to help you to prevent a virus from spreading across the center. Thanks!

By Bob Beane

Dec. 14 deadline looms on women's study team

Washington (NNS) -- The Women's Study Group is continuing to accept inputs from Navy men and women who want to contribute their opinions, experiences or recommendations on aspects of policy regarding Navy women, career progression, quality of life, equal opportunity and related issues.

Travel teams from the study group are visiting Navy commands in Europe, U.S. and Western Pacific to solicit input through surveys, interviews and meetings. Navy men and women who do not have the opportunity to talk personally with study group members may provide direct input through special telephone numbers. The toll-free number is

1-800-235-2749. Overseas callers or others who cannot access the toll-free number may call A/V 225-8077.

Both phone numbers will be staffed from 8 a.m. until 6 p.m. (EST), Monday through Friday, through Dec. 14.

Technical meetings at China Lake

TAGUCHI TECHNIQUES

Speaker Robert D. Smith will give a repeat presentation of Robust Design using Taguchi Techniques on Dec. 11 at 9 a.m., at Michelson Lab, room 1000D. Robust design is an efficient experimental strategy for identifying the best, in a well defined performance sense, set of parameters for a component, subsystem, system or process. The technique is general in nature, and not limited to special areas of science and engineering. Examples related directly to the research and development environment at NWC will be discussed. Robust design is used extensively by the Japanese and its uses in the U.S. has grown considerably over the last 10 years.

A questionnaire will be distributed at the presentation to develop a mailing list of persons interested in future activities. Such activities will include training workshops, and working group meetings in which case studies and related topics will be discussed. If you cannot attend this meeting but would like to be involved, call Cheryl Whitnack at NWC ext. 2086 to get your name on the mailing list.

If you have already submitted a questionnaire, do not submit another.

SIGADA FORUM

Robert K. Page from the Missile Software Branch, Code 3922, will discuss the concept of an Ada language hardware co-processor at the next SIGAda Popcorn Forum, which is scheduled for 3:30 p.m. on Wednesday, Dec. 12, at the Naval Weapons Center Training Center.

Ada's advanced facilities for concurrency and time management may require the assistance of a hardware co-processor much like a math co-processor assists in floating point calculations. A co-processor has been developed by the University of Lund, Sweden, to handle concurrency. Page has established the requirements and

proposed a real-time hardware clock to relieve the high overhead associated with software time keeping, while providing the performance necessary for real-time systems.

He served one year as a Navy affiliate at the Software Engineering Institute, Carnegie Mellon University, working on the "Real-Time Scheduling In Ada" project. For more information, contact Brad Clark, Code 3922, NWC ext. 1276, or Linda Roush, Code 3142, NWC ext. 5575.

CLWISE

Dr. Jo Covino-Hrbacek and Terry Mitchell will be the guest speakers at the next China Lake Women In Science and Engineering (CLWISE) luncheon, which is set for Dec. 12 in the Banquet Room at the Carriage Inn from 11:30 a.m. to 1 p.m. Cost for the luncheon is \$5.50, which is for soup and salad, beverage and a tip.

Dr. Hrbacek is a national leader in the fields of electrostatic dis-

charge hazards in energetic materials, and inorganic materials synthesis and characterization. She will give an *Overview of the Research Department*.

Mitchell, who is the head of the Center's Organization Change Office, will discuss *Leadership: Many Are Called But Few Are Chosen*.

Reservations are required by Dec. 7. Checks for \$5.50, made payable to "Carriage Inn," may be sent to Barbara Vaughn, Code 3135 (NWC ext. 4770), or Alice Campbell, Code 3158 (NWC ext. 3531).

SUN USERS GROUP

On Tuesday, Dec. 11, the first meeting of the China Lake Sun User Group will take place at El Charro Avitia, 1337 N. China Lake Blvd., starting at 11:30 a.m. The topic of the meeting will be public domain software availability, by Charles Bechtel.

For more information about this newly formed group, call Gary Gray at NWC ext. 1907.

ATTN: CONTRACTORS Furnished Offices

Individual Locking Offices, Copier, Receptionist, FAX, Conference Room. ALL ONE LOW PRICE

Z OFFICE CONNECTION 375-1144

true-20MHz 386SX complete 2MB system \$1,495

20MHz 386SX AT. Complete Foundation system with one 1.2MB/360K floppy drive & one 1.44MB floppy drive, 80387SX coprocessor socket, one parallel & two serial ports, high-resolution monochrome display & adapter, 2MB RAM, battery-powered clock & calendar, 42MB 1:1 hard disk, baby tower, enhanced AT-style keyboard, MS DOS 4.01, application and system productivity & utility s/w. Runs it all: DOS, Unix, OS/2, & Windows. BIOS contains setup. True 20MHz board with 20MHz processor, I/O bus speed separate from clock so you can use older XT & AT cards. 3-year warranty on system, 1-year hard drive. 2MB system on sale: only \$1,495. Nice, full-size tower case with display only \$40. Same system but 16MHz \$100 less. 800x600 VGA card & 1024x768 monitor only \$399 (for 1024x768x256 colors add \$89). Made in U.S.A.



Computing Technology

Computer Store

251 Balsam St. 375-5744 quality, service, price

"TIS THE SEASON TO BE"

CARPETED

WEAR-DATED

Elegance 10 ⁹⁵ Sq. Yd. Reg. 12 ⁹⁵	Fame 12 ⁹⁵ Sq. Yd. Reg. 15 ⁹⁵	Marrakesh 13 ⁹⁵ Sq. Yd. Reg. 16 ⁹⁵	Westchase 15 ⁹⁵ Sq. Yd. Reg. 17 ⁹⁵
--	--	---	---

Holiday Savings on STAINMASTER or Stainblocker Carpets

Ask About Terms - No Payment Till Feb. O.A.C.

Windows, Walls n' Floors

Ridgecrest Towne Centre "Good Taste Is Not Expensive" 371-2212

Fax us your title search request: Fax 446-7441

We'll fax the information back to you in 24 hours. #1 for Service & Quick Delivery

Cal State Northridge, Bakersfield & Chico textbooks now in stock

the VILLAGE BOOKSHELF
901 N. Heritage Dr. Village Plaza 446-READ

What Do you Think?

The NWC Rocketeer staff and Center Command want to know what the readers of this newspaper think about the job the staff is doing, the coverage of events and people on board the Naval Weapons Center and ideas you have for allowing the paper to better serve and responded to the customer and reader in a quality fashion.

The staff encourages your article ideas, constructive comments and continued feedback. The form below can be mailed to NWC CODE 0033 via guard mail, or FAX to ext. 2796.

Rocketeer Feedback Forum



ONE HUNDRED FLIGHTS--A celebration was in order last week when the Royal Air Force's Tornado completed its 100th flight as part of the ALARM trials. Members of the British Aerospace (Military Aircraft Division) and the RAF 32 Joint Trials Unit celebrated in front of the Tornado with sparkling grape juice following the flight. This was the 200th flight of this particular aircraft, but the 100th from China Lake. The busy trials schedule included six flights last week. The program has been at China Lake for more than two years and is scheduled to wrap up sometime next summer.

TID Photo by Don Cornelius

Big Navy amphibious contingent sets sail for Middle East waters

Washington (NNS) -- President Bush's Nov. 30 promise "if one kid is in harm's way, I want him backed up to the hilt" came as one of the largest Naval amphibious contingents since the Vietnam War left the U.S. for Middle East waters Dec. 1.

A 13-ship amphibious task force (ATF) commanded by RAdm. Stephen S. Clary, departed San Diego and Long Beach, Calif., with more than 7,000 Marines from air and ground combat elements of the 5th Marine Expeditionary Brigade (5th MEB)

embarked, to augment the more than 50 Navy ships and 50,000 Marines already present in the Middle East, supporting Operation Desert Shield. The 5th MEB is commanded by BGen. Peter J. Rowe.

The deployment marks an expansion of the Navy-Marine Corps team's commitment to U.S. presence in the gulf region, which will later include three additional carrier battle groups from both U.S. coasts to join the carriers *USS John F. Kennedy*, *USS Saratoga* and *USS Midway*. The air-

craft carrier *USS Ranger* and her escorts are slated for departure from the west coast Dec. 8, with 14 more ships accompanying the carriers *USS Theodore Roosevelt* and *USS America* from ports on the east coast soon after the Christmas holiday.

Representatives of the multi-national cooperation in the region, the guided missile cruiser *USS Philippine Sea* and frigate *USS Thomas C. Hart* joined the French destroyer *Dupleix* and Spanish frigate *Diana* in intercepting an Iraqi-flagged

cargo ship Nov. 26. Warning shots from *Philippine Sea* and *Diana* finally convinced the merchant's master to accept a U.S. boarding party.

U.S. troop strength in the region grew to more than 240,000, according to Pentagon spokesman, Pete Williams. More than 86,128 National Guardsmen and Reservists have been called to active duty since Operation Desert Shield began, including 5,480 Naval Reservists and more than 12,000 Marine Corps Reservists.

Qualified personnel sought for jobs at NWC

(Continued from Page 14)

basic technical publications. Position is at full performance level. Area of consideration is limited to the 03 Directorate.

No. 35-016, Supervisory Interdisciplinary Electronics Engineer/Electrical Engineer/Mechanical Engineer/Aerospace Engineer/Computer Scientist/Mathematician/Physicist DP-855/850/830/860/1310/1520/1550-3/4, Code 3515 - This position is Head HARM Software Branch. The Branch Head directs the work of the HARM Software Support Activity. This work includes development and testing of tactical software for High Speed Anti-Radiation Missiles and associated aircraft avionics systems. Also included is the development and operation of the Advanced HARM Workstation, a state-of-the-art hybrid RF threat simulator for HARM. The Branch Head works closely with the HARM Project Office and NAVAIR to plan, obtain funding for, and prioritize execution of HARM development and support programs. Incumbent supervises approximately 15 engineers, scientist, technicians and specialists. **Job relevant criteria:** Ability to plan, organize and coordinate a technical group; Knowledge of affirmative action principles including a willingness to implement EEO practices; Ability to communicate in writing; Ability to communicate orally; Knowledge of anti-radar missile systems; Knowledge of laboratory design and operation for missile and aircraft systems. Promotion potential is to DP-4 but not guaranteed. Previous applicants need not reapply.

No. 61-006, Electronics Technician, DT-856-2, Code 61312 - This position is located in the Tracking and Control Branch, Engineering Support Division, Aircraft Department. The incumbent is responsible for the operational readiness of drone systems installed in aerial targets. Duties will include design, fabrication, installation, modification, maintenance, and operation of these systems. Performance of these duties will require the incumbent to acquire a thorough working knowledge of the hardware, software, and telemetry systems relevant to drone aerial targets. Incumbent must be willing to travel to other DOD organizations and contractor facilities in the normal performance of duties. Incumbent will also provide technical support to division personnel. Incumbent will become certified in MILSTD 2000 soldering technology. **Job Relevant Criteria:** Knowledge of digital and/or analog circuit design; skill in soldering; skill in installation, maintenance, and repair or electronics equipment; skill in using electronic test equipment; ability to communicate orally; ability to communicate in writing. Promotion potential to DT-3. Previous applicants need not apply.

No. 61-007, Supply Technician, DG-2005-2/3, Code 6142 - This position is located in the Ordnance Control Branch of the Ordnance Division. The incumbent will be responsible for ammunition requisitioning and conducting follow-up research. The incumbent will review ammunition shipping and receipt documents for completeness and accuracy, update ordnance inventory data base, file records, prepare and submit ammunition reports as required, review physical inventories, and conduct causative research. **Job Relevant Criteria:** Knowledge of computerized data entry; ability to read, interpret, and understand oral

and written instructions; ability to work independently; ability to communicate and interface effectively with co-workers; ability to record, track, update, and file records and reports. Promotion potential to DG-3. Position is open to the 06 Directorate only.

No. 61-008, Warehouse Worker Leader, WL-6907-7, Code 614 - This position is located in the Aircraft Department, Ordnance Division. The incumbent will perform duties involving the receiving, shipping, storing, quality assurance inspections, and transporting munitions and explosives. **Job Relevant Criteria:** Ability to act as a leader; ability to interpret instructions; knowledge of pertinent tools and equipment; applied knowledge of the trade. A supplemental is required and can be obtained in Room 100 of the Personnel Building.

No. 61-009, Supervisory Airplane Pilot, DP-2181-3, Code 611A - This vacancy is the Associate Division Head, Airfield Operations Division, Aircraft Department. The division is responsible for operating Armitage Airfield facilities, air traffic control, planning and coordination of aerial target operations, fleet liaison, maintenance of ground electronics navigation and communication equipment, NATOPS program, and scheduling/dispatching of aircraft. **Job Relevant Criteria:** Skill as weapons test/military pilot; skill as a pilot in high performance single/multiple engine turbine powered aircraft; ATP or commercial single and multiple engine license; knowledge and experience in Naval air operations; knowledge and willingness to support NWC EEO program goals and objectives; ability to interface effec-

tively with both on and off-Center upper level management; ability to supervise a large group of personnel through subordinate supervisors. Promotion potential is DP-4, but not guaranteed. 12/7/90 - 12/14/90.

No. 62-019, Photographer (Sci-Tech), DT-1060-1/2/3, Code 62142 - This position is located in the Photo Section of the Warhead Test Branch, Ordnance Test and Evaluation Division, Range Department. Duty is to participate in a variety of photographic test coverage. Complexity of tasks vary from ultra high-speed photography to project presentation and may require modification of equipment to accomplish desired results. Duties also include scientific motion picture, video, studio work, black and white, color printing, still photography, analytical assessment, and editing. **Job Relevant Criteria:** Knowledge of high-speed equipment; knowledge of photo-optical and electro-optical systems used in gathering field test data; ability to align and test electro-optical systems. Promotion potential to DT-3.

No. 62-035, Electronics Technician, DT-856-1/2/3, Code 62533 - This position is located in the Telemetry Branch, Data Systems Division, Range Department. Incumbent will perform duties on the NAVWPNCEN ranges and Randsburg Wash in mobile trailers or temporary shelters located at range test sites. The duties include the design, modification, and installation of specialized instrumentation systems to acquire velocity, acceleration, pressure, stress, displacement, event, and temperature data from all types of structures, vehicles, and ordnance items. **Job Relevant Criteria:** Knowledge of NWC test range

instrumentation; ability to convert mechanical phenomena to electrical signals; ability to originate and develop special test set-ups, procedures, and electronic devices to facilitate the testing process. Promotion potential to DT-3.

No. 62-042, Support Services Specialist, DG-342-2/3, Code 6202 - The incumbent provides preprocurement, procurement, follow-up, equipment coordination, and miscellaneous administrative support for the Range Department. Analyzes small-purchase acquisition packages for adequacy and correctness and provides advice accordingly. Assists in preparation of associated procurement documentation. Acts as Blanket Purchase Authority buyer, ordering officer, and SPEDI ordering officer. Assists equipment custodians and coordinates inventories and walkthroughs. Serves as alternate point of contact for C&IS, computer security, and security matters. Must be able to obtain a Secret clearance. **Job Relevant Criteria:** At the DG-2 level: Ability to deal effectively with people; ability to organize work; ability to interpret and apply rules, regulations, policies, procedures, and instructions; ability to meet deadlines; ability to communicate orally; ability to communicate in writing. Promotion potential to DG-3, but not guaranteed. At the DG-3 level: Ability to deal effectively with people; knowledge of Federal procurement procedures; ability to work independently; knowledge of Federal small-purchase procedures; knowledge of NWC plant account procedures; ability to communicate orally; ability to communicate in writing. Position is open to the 06

Knowledge of NWC test range (Continued on Page 16)

CERRO COSO COMMUNITY COLLEGE
 Spring 1990
 Early Registration
 Cerro Coso Community College
 For early registration appointments call 375-5001 or stop by Room 119
 Registration:
 Continuing students only:
 December 4, 5, 6, 10, & 11 ... 9:00 a.m. - 1:00 p.m.
 & 2:30 p.m. - 6:30 p.m.
 December 7 ... 9:00 a.m. - 4:00 p.m.
 New Student Orientation and Registration: (An orientation informational session is required for all new CCCC students. The purpose of the orientation session is to provide students with information that will enhance their college experience. Exceptions to new student orientation include students who have completed an Associate Degree or higher or who are only enrolling in classes with no prerequisite.)
 December 5 & 10 ... 5:00 p.m.
 January 8 ... 1:00 p.m.
 January 9 & 10 ... 5:00 p.m.
 SPRING CLASSES BEGIN JANUARY 14, 1990

WHY SHOULD YOU BUY WAL-MART STOCK TODAY?

- A \$10,000 investment in Wal-Mart stock at year-end 1979 would have grown to \$415,171 by year-end 1989, a 45% annual total return. This figure does not assume reinvestment of dividends. Price per share on 12/5/90 was 31.37.*
- With a 35.8% annual sales growth rate for the past decade, Wal-Mart is the fastest-growing retailer in the nation.
- Compound annual total return of Wal-Mart stock for the 1980s was 45% compared to 18% for the Dow Jones Industrial Average and 17% for the S&P 500.
- With stores in only 29 states, we believe Wal-Mart offers excellent growth potential. Stop by for additional information on Wal-Mart.

Dennis Murphy
 Local Investment Representative
 619-446-6757

Edward D. Jones & Co.
Member of the Dow Jones Group of Companies

*Past performance is not necessarily an accurate indication of expected results.

The Picture Place
 Your Full Service Lab
 Established 1979
 237 N. Balsam St., Ridgecrest
 (619) 375-4707 Open Mon-Sat
 Drive Through Booth
 237 N. China Lake • 375-8603

Video Transfer Service • Film

The Far Side

RIDGECREST SCHOOL FOR THE GIFTED ENGINEERS

Now available at
Eagle Mountain Gifts
 133 W. Ridgecrest Blvd. • 375-3071

Data Map's 7th through 14th & Quoin's first 2 3rd

If you think Data Map just bought their 7th through 14th computer systems from us because they wanted local service, you might wonder why, when CTA needed two 12MHz AT computers for the Paris Air Show, they chose our systems. Whether it's...

- Comarco's 37th
- Kerr-McGee's 9th & 10th
- CTA's 9th, 10th & 11th
- Entron's 9th & 10th
- University of Alaska's 18th
- IWV Water District's 16th
- or Quoin's first 2 3rd

they buy our computer systems for the same reasons...

State-of-the-Art Systems • Reliability Quality • Price • Service

Computing Technology

Computer Store

251 Balsam St. 375-5744 quality, service, price



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. 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. Assessment measures are work experience, annual performance assessment rating and narrative, education, training, performance assessment and awards.

Eligible spouses (of military sponsors) with competitive employment status may apply for employment preference. Those enrolled in this program will automatically receive consideration for employment on vacancies for which they applied. For initial employment information, career counseling and enrollment, call 939-3317 for an appointment.

HOW TO APPLY: Submit the following: a current application, SF-171 or other Human Resources Department pre-approved form; 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); and a completed Background Survey Questionnaire. A supplemental narrative which relates your qualifications to each knowledge, skill or ability (KSAs) 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 12335/2, 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 a signature on the last page completes the application. Civilian Spousal Program Eligibles with competitive employment status must submit a copy of their sponsor's PCS orders with each application in order to be considered for Merit Promotion vacancies which do not state that status eligibles may apply.

Application materials are accepted, and blank forms are available, at the Reception Desk, Room 100, Human Resources Department, 505 Blandly. 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. Copies of Applications may be submitted since applications are kept 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. 21-006, Supply Systems Analyst, DA-2003-2, Code 213 - This position is in the Supply Support Division of the Military and Support Operations Department. Incumbent performs analysis of a wide variety of supply system and management problems. Performs contractor monitoring and surveillance to assist in evaluation of the supply operations contractor's performance in all areas of supply, including stock control, inventory management, receipt control, direct supply support units and with heavy emphasis on transportation and personal property management. Assignments include developing contract performance work statements, sampling completed work units and report writing. **Job relevant criteria:** Knowledge of supply

systems and procedures; knowledge of contract preparation and/or monitoring procedures; ability to perform analyses and solve problems; ability to communicate orally and in writing; ability to work effectively as a team member. Promotion potential to DA-2. Previous applicants need not reapply.

No. 22-007, Personnel Clerk/Assistant (Typing), DG-203-A/1/2, Code 226 - Incumbent performs the following duties for a major department(s): processes all actions affecting appointments, pay setting, separations, conversions of appointment, etc; performs competitive and noncompetitive qualification ratings; performs ranking and may conduct ranking/selection panels; and drafts vacancy announcements for recruit-

ment. At the higher levels, incumbent advises and recommends to supervisors and managers recruitment options for certain occupations (e.g. clerical); participates in various phases of crediting plan development. **Job Relevant Criteria:** Knowledge of personnel policies and procedures related to staffing; ability to plan, organize, and accomplish work independently; ability to perform a variety of clerical/technical functions; ability to research, comprehend, and apply complex regulatory information. Promotion potential to DG-3. Previous applicants need not reapply.

No. 22-009, Employee Development Specialist (Supervisory), DP-235-3, Code 224 - Incumbent will lead, direct and administer the operations of the Human Resources Development Division. Activities include but are not limited to supporting TQL and continuous improvement efforts, developing and arranging courses and programs to meet identified Center training needs, providing career and educational counseling, and advising managers and supervisors on HRD matters. **Job Relevant Criteria:** Demonstrated experience in identifying training needs and developing and preparing courses and programs to meet those needs; experience in developing a comprehensive training plan to cover large organizations with a diverse workforce of scientists and engineers, technicians, clerical, administrative, executive, etc.; experience in contracting with universities, private vendors, and other government activities for courses and programs; experience in the utilization of the latest educational technology; and experience in the evaluation of training programs. Promotion potential to DP-4.

No. 22-010, Personnel Management Specialist (Supervisory), DP-201-3, Code 225 - Incumbent serves as Deputy EEO Officer as well as Head of Employment and Classification. Supervises approximately 19 employees working in three personnel occupational areas. Duties include affirmative action planning; complaints management, external recruitment programs (JP, Coop, Technical Mentor, JTPA), front desk, job information center, position management, etc. **Job Relevant Criteria:** Knowledge of affirmative employment principles; knowledge of EEO complaint process; skill in analyzing data and recommending alternative solutions; knowledge of personnel staffing and classification rules and regulations; ability to present controversial data to a variety of audiences; ability to supervise a diverse work group; skill in written communications, i.e. reports, point papers, speeches, etc.; and skill in oral communications, i.e. negotiations, teaching, delivering speeches, briefings, etc. Promotion potential to DP-4.

No. 30-015 Interdisciplinary Mathematician/Operations Research Analyst/Physicist/Electrical Engineer/Electronics Engineer/Industrial Engineer, DP-1520/1515/1310/850/855/896-1/2, Code 3082 - This position is located in the Strike/Antisurface Warfare /architecture Branch. Branch has an ongoing project to develop modular scenarios for the Deputy Chief of Naval Operations for Naval Warfare (OP-07). Incumbent will serve as a member of a team tasked with preparation of future scenarios (2010-2020 timeframe) to support several programs including: A-12, Carrier Air Wing Study, Warfare Systems Architecture, and preparation of the OP-7 Warfare Appraisals. Individual tasks include: researching, describing and projecting threat systems, organizations and tactics. **Job relevant criteria:** Ability to research and interpret technical information; Ability to communicate in writing; Ability to communicate orally. Incumbent must be able to obtain and maintain a SECRET clearance. Promotion potential to DP-3, but not guaranteed.

No. 30-016 Management Analyst/Program Analyst DA-343/345-2/3, Code 3082 - This position is located in the Strike/Antisurface Warfare /architecture Branch. Branch has an ongoing project to develop modular scenarios for the Deputy Chief of Naval Operations for Naval Warfare (OP-07). Incumbent will serve as a member of a team tasked with preparation of future scenarios (2010-2020 timeframe) to support several programs including: A-12, Carrier Air Wing Study, Warfare Systems Architecture, and preparation of the OP-7 Warfare Appraisals. Individual tasks include: researching, describing and projecting threat systems, organizations and tactics. **Job relevant criteria:** Ability to research and interpret technical information; Ability to communicate in writing; Ability to communicate orally. Incumbent must be able to obtain and maintain a SECRET clearance. Promotion potential to DP-3, but not guaranteed.

No. 31-094, Electronics Technician, DP-856-3, Code 3142 - This position is located in the Av-8B Avionics and Weapons Integration Division of the Aircraft Weapons Integration Department. The incumbent's responsibilities will include integrating avionics on assigned new systems scheduled for the Av-8B Day and Night Attack aircraft, and maintaining configuration and status records of avionics in the AV-8B lab and all Av-8B aircraft assigned to NWC. **Job Relevant Criteria:** Skill in troubleshooting electronic and electrical systems, using standard and advanced test equipment; knowledge of computer based systems, (i.e. hardware & software, using embedded computing technology; knowledge of encryption devices; ability to

implement changing requirements and specifications; ability to coordinate tasks with multiple organizations, sponsors, and projects. Must be able to obtain and maintain a secret clearance. The full performance level of this position is DP-3.

No. 34-013, Supervisory Photographer (Scientific/Technical), DT/DP-1060-3, Code 3452 - This position is Head, Photographer Services Branch, Photographic Division, Technical Information Department. The incumbent provides management and technical supervision for this highly diversified production branch. The branch provides a complete scientific and technical photographic service to all departments of the Naval Weapons Center. Services include photography, film processing, copy, and special effects presentation photography. **Job Relevant Criteria:** Knowledge of and a diversified background in photographic work; ability to deal effectively with a wide variety of personnel; ability to supervise and provide leadership; ability to act as part of a management team and implement and administer management policies. Willingness to support NWC EEO policies and goals. Incumbent may have to serve a one year supervisory probationary period. Full performance level is DP-3.

No. 34-015, Exhibits Specialist, DA-1010-2/3, Code 3442 - This position is located in the Technical Information Department, Technical Exhibits Branch. Incumbent will serve in the Technical Exhibits area preparing exhibits and displays which support the Center's mission. **Job Relevant Criteria:** Knowledge and experience in the development and presentation of exhibits and displays. Ability and experience in the use of a variety of tools and techniques related to carpentry, plastics, sheet metal, electrical, electronics work, machining, painting, molding, mechanical and electrical assembly. Area of consideration for this position is the 03 Directorate.

No. 34-016, Photographer (Laboratory), DT-1060-2, Code 3451 - This position is located in the Photographic Division, Technical Information Department. The incumbent performs all standard techniques and procedures necessary to produce accurate and precise photographic prints and transparencies. The incumbent will use various types of manual enlargers, automatic printers and processors and perform related photo finishing duties. **Job Relevant Criteria:** Knowledge of laboratory processes and procedures involved in the production of still prints and transparencies. Knowledge and use of automatic printing and processing equipment. Ability to produce black/white and color prints and viewgraphs on manual and automatic equipment; ability to effectively use

(Continued on Page 15)

Pearl Harbor- 49 years ago

Tomorrow, Dec. 7, was a Sunday 49 years ago, a Sunday this nation will never forget. As President Franklin D. Roosevelt said, "it is a day that will live in infamy."

For the U.S. Navy, Dec. 7 is remembered as Pearl Harbor Day, the Sunday in 1941 when the Navy and the nation was plunged into war. Years, decades have passed, but the memory remains strong.

Less than two years after the outbreak of war, the Navy established its presence in the Indian

Wells Valley with the Naval Ordnance Test Station (NOTS), Inyokern. The desert, like Pearl Harbor and the county has never been the same.

From humble beginnings in a time of war, NOTS and then the Naval Weapons Center has grown, but the end results have remained the same, providing weapons to the fleet.

And, just as in 1943, the fleet faces the possibility war. China Lakers are once again going all out to support the needs of the fleet in a time of national crisis.



Party 'just for kids'



ALLS I WANT FOR CHRISTMAS IS . . . -- Children gather (left) to give Santa Claus their Christmas wish list at the NWC Youth Center's Party "Just for Kids. This little girl (above) has only one wish on her mind. She is determined to give this pinata a mighty whack and break out all the goodies inside. Photos by PH3 Cary Brady

NWC HOTLINE

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

or call the Inspector General at:
(800) 522-3451 (toll free)
288-6743 (Autovon)
(202) 443-6743 (commercial)

- PRESENTATIONS MATERIALS
- NEWSLETTERS
- BROCHURES
- DECALS
- MENUS
- LOGO DESIGN

FAST SERVICE

CALL US ABOUT OUR "NEW BUSINESS" PACKAGE

PRIORITY SERVICES

375-3323



JEWELRY JOTTINGS

by
Alex Topar
&
Mary Frost
Graduate Gemologist



Gemstones are an investment in lasting beauty, and should be treated accordingly. Here are some easy tips for care:

- Keep jewelry separate when you put it away. Never let one item touch another.
- Apply your cologne and perfume before you put on your jewelry.
- Clean your jewelry regularly.

Bring your gemstones to us for free cleaning and a check of your stones and settings.

Mr. T's Fine Jewelry

Sierra Lanes Plaza

25MHz 386 with VGA complete 48MB system only \$2,195

80386 25MHz AT system with I/O-bus clock set separately from the CPU clock, sockets for 80387 or the Weitek 3167 math coprocessor, true 386 25MHz processor & chip set, 2MB RAM, one 1.2MB/360K floppy disk drive and one 1.44MB floppy disk drive, 1:1 48MB 28ms hard drive, 14" 1024x768 VGA monitor & 800x600 VGA adapter with 256K, parallel & two serial ports, full tower, 101 keyboard, Microsoft's getting-started manual, MS-DOS 4.01, now only \$2,195. 3-year warranty (1yr on hard disk). Upgrades: 80MB HD \$139, 4MB RAM \$116.

- 25MHz true 386
- 2MB RAM
- 48MB HDD
- 800x600 VGA
- \$2,195



33MHz 386 with 64K cache upgrade only \$299

Computer Store

251 Balsam 375-5744 quality, service, price

Navy seeks better personnel safety with updated policies

New instructions impact joggers and motorcyclists on board NWC

As you drive the roads and streets on Center, you may have noticed a change in motorcycle riding apparel -- motorcyclists are wearing yellow or orange vests. This is not the result of a new motorcycle club in town but the requirements set down in the newest version of the Navy's Traffic Safety Program.

OPNAV Instruction 5100.12F now mandates the wearing of yellow or orange vests, in addition to other personal protective equipment, while operating a motorcycle on Navy property. This is not the only change affecting personnel and activities aboard Naval installations. One change specifically affects joggers.

OPNAV Instruction 5100.12F specifically states, "Personnel are not authorized to jog on roads and streets on Naval installations during peak traffic periods, or at nighttime . . . Personnel shall use sidewalks or jogging paths when available and avoid roads and streets, if possible. If using roadways, personnel shall jog facing traffic; wear light colored clothing (during reduced visibility conditions, wear reflective clothing); and obey traffic rules and regulations."

Peak traffic periods have been determined to be 6:30 to 8:30 a.m., 11 a.m. to 1 p.m. and 3:30 to 5:30 p.m. Examples of reduced visibility conditions are inclement weather, dusk and dawn.

Another section in this instruction strictly prohibits the carrying of passengers in the cargo area of motor vehicles, e.g., pick-up trucks, unless the cargo area has been modified to include the installation of seat belts and these belts are properly worn. In plain English, you have to wear a seat belt! If there is no seat belt in the vehicle where you intend to sit, then you can't sit there. This applies to all personnel, military and civilian, and all vehicles, government and private, with the exception of large passenger busses.

Written by the Naval Weapons Center's Safety Program Office

Craftech gift-making possible

Still wondering what to give that special someone? According to Pat Pirotska, Craftech manager, there is still time to make a gift out of ceramic, wood or dry flowers. Craftech is also offering a variety of one-day classes to help patrons to create masterpieces. Make your own Christmas house, which really lights! Learn how to make your own mop doll.

Nobody Beats Midas

SAVE ON MIDAS EXPERT CAR CARE

BRAKES
\$69.00*

PER AXLE MANY CARS AND LIGHT TRUCKS
• New guaranteed brake shoes or pads (semi-metallic pads extra) • Resurface drums or rotors • Replace grease seals as needed • Repack wheel bearings, except sealed units • Inspect hydraulic system • Top off brake fluid as needed • Road test
* See guarantee terms in shop
FREE BRAKE INSPECTION MOST CARS AND LIGHT TRUCKS
Offer good with coupon only through participating Midas dealers.
Expires 12-31-90

LUBE, OIL, FILTER
\$18.95*

• Up to 5 quarts Castrol 20.50 • New oil filters • Lube chassis fittings • Most cars and light trucks.
Offer good with coupon only through participating Midas dealers.
Expires 12-31-90

ECONOMIZER® MUFFLER
\$34.90*
INSTALLED

• Fits many cars and light trucks • Famous Midas quality • 1 year guarantee • See guarantee terms in shop.
Offer good with coupon only through participating Midas dealers.
Expires 12-31-90

2-WHEEL HI-TECH COMPUTERIZED ALIGNMENT
\$19.95*

• Inspect steering and suspension system • Set all adjustable angles of front wheels to manufacturer's recommended specifications (Chevettes too only) • For most cars and light trucks • Road test THRU-ANGLE AND 4-WHEEL ALIGNMENT AVAILABLE
Offer good with coupon only through participating Midas dealers.
Expires 12-31-90

KIDS

Santa Claus will be here Saturday, December 15th from 11:00 a.m. to 4:00 p.m. Come have your picture taken with Santa.

NOBODY BEATS MIDAS



124 Upjohn St.
Jus' 200 ft. west of China Lake Blvd.
371-2592



*Additional parts, services and labor are often needed at substantial extra cost.

Hall Lanes sponsoring Bowl for Toys Tourney

From now until Dec. 21, Hall Memorial Lanes will host a *Bowl for Toys Tournament*. Games are rolled during open bowling and each person can enter as many times as possible. Handicaps will be 80 percent of 200.

Prizes will be awarded for the three highest 3-game series in both men's and women's categories. The first place prize is a Bobcat bowling ball, second place, Endocott bowling shoes and third place, a Hall Lanes jacket.

The entry fee is only \$4.50 per person, plus an unwrapped new toy. For additional bowling excitement, Hall Lanes is still sponsoring a number of other activities.

Blue Chip Stamp bowling is still a popular event. Each Saturday evening at 6 p.m., bowl for Blue Chip Stamps, which can be redeemed through the Blue Chip catalog.

Men and women can still compete for the title of king and queen during the *King and Queen Tournament*, which is held each Saturday at 1 p.m. Each week's high bowlers will be declared king and queen, with a roll-off tournament in 1991 to determine the Naval Weapons Center's ultimate king and queen.

Don't forget, *no-tap bowling* is played at Hall Lanes each Friday evening, beginning at 6 p.m.

For further information about any of these events, call Hall Lanes at NWC ext. 3471.

Lake Isabella stocked

Tomorrow, Dec. 7, Lake Isabella will be stocked with channel catfish and bluegill, notes Bob Bibby, Kern Valley Visitor's Council.

Lake Isabella, which attracted more than 4,000 participants to its first annual trout fishing derby, also plans on stocking \$6,000 worth of fingerling crappie in the spring with the event proceeds. The second annual trout fishing derby is slated for April 20-21.

The 9,500 fish were purchased by the Kern County Wildlife Commission with \$15,900 from the Fish and Game Department fines. The fines were collected from individuals caught with expired licenses, fishing over the limit, poaching and other violations of these rules.

Military members get discount!!

Attention active duty military members! You and your dependents are invited to bowl at discounted prices between the hours of 11 a.m. and 5 p.m., Monday through Friday. The discounted cost of 50 cents per line is only good until Dec. 30. Take advantage of this offer and have some fun!

For information about sports on-Center, call NWC ext. 6542

FREY'S GUNSHOP

375-9690
Monday - Saturday
9:00 a.m. - 8:30 p.m.

Large Christmas Selection
Helpful Courteous Service

UNIVERSITY of REDLANDS

Whitehead Center for Lifelong Learning

Locally offered programs information meetings will be held at the Kerr McGee Center, December 17th.

MBA from 12 p.m. - 1 p.m. & 5 p.m. - 6 p.m.
Bachelors from 1 p.m. - 2 p.m. & 6 p.m. - 7 p.m.

Marie J. Canle - Enrollment Manager
Post Office Box 2001
Ridgecrest, CA 93556 (619) 371-3072

Fishing licenses' fees increase

California anglers and lifetime license purchasers face inflation-associated increases in the cost of enjoying the great outdoors, reports the Department of Fish and Game.

New handling fees for California fishing and hunting licenses, license stamps, permits and punch cards require license agents to add an additional five percent to the cost of each sale, effective immediately. The change represents an increase for most licenses and compensation for licenses which did not carry handling fees in the past. DFG offices do not charge handling fees.

In 1991, the following costs for DFG sport fishing licenses, stamps and punch cards will be:
Resident fishing license -- \$21.50, plus a \$1.10

handling fee.
Nonresident fishing license -- \$57.75, plus a \$2.90 handling fee.

One-day fishing license -- \$7.75, plus a 40 cent handling fee.

Resident ocean only license -- \$12.75, plus a 65 cent handling fee.

One-day ocean only license (resident or nonresident) -- \$4.75, plus a 25 cent handling fee.

Striped bass stamp -- \$3.50, plus a 20 cent handling fee.

Salmon punch card -- \$1, plus a 5 cent handling fee.

Sport ocean enhancement stamp -- \$1, plus a 5 cent handling fee.

Take advantage of MWR's ski equipment

Ski season has started and the Morale, Welfare & Recreation Division staff would like this season to be the best one ever! China Lakers are invited to enjoy the powder with downhill and cross country skis provided by the Gymnasium Gear Issue Office. Skis, poles, boots and even a ski rack can be rented at nominal fees.

To insure proper fit, ski fitting appointments may be made Monday through Thursday from 8 a.m. to 4 p.m. Appointments should be made 3 to 5 days in advance of the ski trip.

There is a standard \$20 deposit for skis, poles and boots, and a \$25 deposit for ski racks. Rental fees for retired military personnel are at the rate they retired. Rate breakdown for skis, poles and boots is as follows:

E1-3 -- \$5 daily, \$10 per weekend and \$25 per week (7 days).

E4-6 -- \$6 daily, \$15 per weekend and \$32 per week.

E7-9 -- \$7.50 daily, \$18 per weekend and \$43 per week.

Warrent Officer -- \$8 daily, \$19 per weekend and \$44 per week.

O1-3 -- same as warrant officer.

O4-5 -- \$8.50 daily, 20 per weekend and \$45 per week.

O6 & above, SES -- \$12 daily, \$24 per weekend and \$66 per week.

DoD -- \$10 daily, \$22 per weekend and \$60 per week.

Rate breakdown for ski rack rentals is as follows: Military -- FREE.

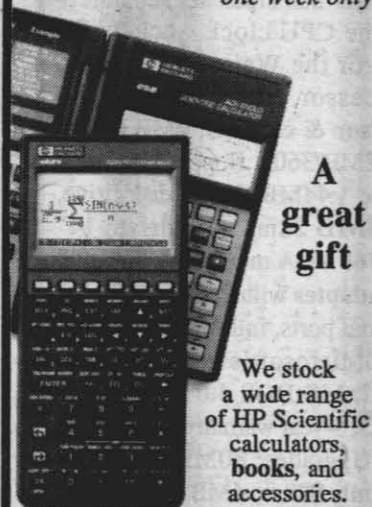
O6 & up, SES -- \$3 daily, \$5 per weekend and \$9 per week.

DoD -- \$2 daily, \$3 per weekend and \$7.50 per week.

For more information, or to make a ski fitting appointment, call NWC ext. 6542.

HP Calculators for science & engineering

Special: Complete Mac or PC interface to 48SX List \$59.95, only \$39.95 one week only



A great gift

We stock a wide range of HP Scientific calculators, books, and accessories.

HEWLETT PACKARD calculator dealer

Computer Store
251 Balsam 375-5744

WOOD • PELLET STOVES • WOOD • PELLET STOVES

SAVE MONEY IN STYLE!



Available in Wood or Pellet Burning



We carry something for everyone:

- Fireplace Inserts
- Pellet Stoves
- Freestanding Stoves
- All Stoves EPA Approved

No payment till Feb., 1991 O.A.C.

90 Days Same As Cash \$2,500 Instant Credit OAC

ENERGY SOURCE SPAS & STOVES

821 N. China Lake Blvd. • 375-0321

WOOD • PELLET STOVES • WOOD • PELLET STOVES



24 HOUR SERVICE
Fast - Dependable

Appointment Service • Airport Service
Courier Service • Deliveries

Happy Holidays

ATTENTION: Our Holiday Gift to all NWC Military and Civilian Employees.

We are giving 20% Discount on all fares on and off base. This offer is good Dec. and Jan.

Jackie, Pat & Paully

P.S. Remember we have 2 cabs to serve you so you can get there on time.

CALL 371-4737