



## China Lake Calendar

**Fri. Dec. 14**  
 ... QF-86FSAT celebration following 1 p.m. presentation ceremony (Hangar II) at Double LL Saloon. NWC ext. 5084 for details.

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

**Tues. Dec. 18**  
 ... Boeing Software Engineering Environment Lecture, Seafarer Club at 11:30 a.m.

**Thurs. Dec. 20**  
 ... Will be the last issue of the 1990 Rocketeer. The next issue will be on Jan. 10, 1991.

**Thurs. Jan. 10**  
 ... Security Briefing, NWC Station Theatre, 1 p.m. NWC ext 2661 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.*



**MWR'S BREAKFAST WITH SANTA A HIT --** The Morale Welfare & Recreation's Breakfast with Santa was a big success. Families gathered with Santa Claus at the Seafarer Club for an old fashioned Christmas Breakfast.  
 Photo by PH3 Cary Brady

## Wellness Corner



**FALL BLOOD SURVEY RESULTS**  
 The Wellness Program Office would like to thank all 621 of the people who participated in the Fall blood analysis program and especially all of those who returned their surveys.  
 The return rate for the survey was 57%. The majority (67%) of returnees learned about the blood draw via traditional marketing -- the *Rocketeer* and the NWC Announcements.  
 First time participation was 8.6%. When excluding locations where appointments could be made only by phone, 54% of participants made their own appointments via the computer and 46% called the Wellness Program Office. The location of the blood draw was convenient for 98% of the participants. And 100% of the participants had their blood drawn within 10 minutes of their appointment time.

Satisfaction with the service of the Wellness Program Office and the phlebotomists was expressed at 99.7% and 96% respectively. Four percent were not satisfied with the phlebotomist services. And 99% of participants received their results within 10 days.  
 Half of the survey responses included comments. The most frequent comment expressed was appreciation for the service and a job well done (68%). Requests for further interpretations of the results (13%) were also communicated. This area will be a focus for improvement. The Wellness Program appreciates the opportunity for receiving employee feedback and will attempt to continuously improve the services offered to Center employees.  
 By Betty Miller  
 Wellness Program Coordinator

## Toys for Tots Drive Underway

Toys for Toys, the Christmas Toy Drive for Ridgecrest and China Lake is underway. Sponsored by the Women's Center Holiday Food Basket Program Collection boxes have been placed at Contel, Bank of America, Daily Independent, NWC Branch Medical Clinic, News Review, Benchmark Cable TV, the Airfield). Thursday, Dec. 20, is the final day to drop off a new toy in the Toys for Tots Collection Boxes.  
 For additional information



**HELPING SPREAD THE CHRISTMAS SPIRIT --** NWC MAD'S 1ST SGT. Hatley (left), Joanie Bayne, Toys for Tots coordinator and Jane Rost, Women's Center Holiday Food Basket Program coordinator, join forces to support the Ridgecrest and China Lake Christmas Toy Drive.  
 Photo by PH3 Cary Brady

and supported by the Marine Aviation Detachment, the program collects new toys for the underprivileged children living in the local area.  
 Michelson Laboratory -- main and north entrances, NWC Administration Building (lobby) and the Code 31 Department Office (Bldg. 20185, Rm. 2, at about the program, call 1st Sgt. Hatley, MAD, NWC ext. 6601 or Joanie Bayne, NWC ext. 2903 or 375-7531.

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

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

### 15 HELP WANTED

THE NAVAL WEAPONS CENTER, China Lake, California, intends to contract for the following services to support the All Faith Chapel located at the Center. For further information, please contact the individuals listed for each of the solicitation packages; do not contact the Chapel for information since Government regulations prohibit any discussion of the procurement with personnel other than those listed in this advertisement. Complete details of the requirements for the services are described in the packages. Telephonic requests for a copy of the packages are acceptable; if desired, your request can be made in writing to the individuals listed, (RFP) N60530-91-R-0108, John Puppel, Code 258, telephone (619) 939-2005.

SATIN & SILK FASHION Productions is looking for male and female models. No experience needed. For more info please call Doreen at 446-6095 or Rosetta at 446-7245 anytime.

### 15 HELP WANTED

Protestant Music Director (Organist), (RFP), N60530-91-R-0110, Wanda Williams, Code 258, telephone (619) 939-2550.

Catholic Director of Religious Education, Request for Proposal (RFP) N60530-91-R-0111, Jan McFarland, Code 258, telephone (619) 939-2550.

### 20 RENTALS

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.

3 LARGE BDRMS, 2 BATHS, fireplace, stove-oven, refrig, dishwasher, fenced yard, southeast location, good area, pets OK. Available 12/31, \$650.00/mo + deposit. 375-8446 eves.

### 35 AUTOMOTIVE

1986 KAWASAKI KLR250 - street legal. Must sell. \$850. 446-2185, after 4 p.m.

1989 Jeep Cherokee 2-door, 2-WD, 4.0l engine. Runs & looks great. Need 4-door. - \$13,000. 446-1610.

1988 NISSAN HARD BODY P.U. - 5 speed manual trans, AM/FM/CASS, A/C, aluminum sports rims, rancho shocks. 38,000 miles. \$6,000. 371-4778 or 375-5776.

'86 CHEVY SPECTRUM - 66,000 miles, good condition - \$3,500/OBO. Call 371-2331.

### 40 MISC. FOR SALE

FOR SALE - Pioneer Laser Compact Disc/Laser Vision Player, model GDL 1010. Paid \$600, will take \$400/OBO. 446-2185 after 4 p.m.

FOR SALE - PARROT W/3 ft. Wrought Iron cage. Needs lots of love and training. Make offer. 446-2185, after 4 p.m.

### 20 RENTALS

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

2BR W/PRIVATE BATHS & 1/2BA, attached garage, D/W, W/D, spa, pool, great for sharing. \$600/mo. 257 E. Upjohn. Call 377-5898, leave message.

2BR, NEAR BACK GATE - Nice area, extra roomy. Avail. Dec. 1. \$440/mo. + sec. W/T/Pest Control paid. Fenced patio and back yard. Pet O.K. 375-6307.

### 30 SERVICES

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

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

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

HOUSECLEANING - Reasonable rates and references.

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.

### 55 REAL ESTATE

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

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

**NWC Rocketeer**

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  
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 China Lake, CA 93555-6001; telephone (619) 939-3354; E-Mail SCF::Rocketeer. Deadline for receiving stories and photos is 4 p.m. Tuesday for publication on Friday of that week.

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.

**For Advertising Rates And Information, Call 375-4481 And Ask For Advertising**

*Classifieds Get Results!*

## Community Events

Today and Dec. 20, a Social Security representative will be at Ridgcrest City Hall, 100 W. California Ave., from 10 a.m. to 2:45 p.m. For more information, call 800-234-5772.

Wondering what to do during the holidays? Don't forget to peek in at the Open Art Show in the Sylvia Winslow Gallery of the Maturango Museum. The show, sponsored by The Framery, begins Dec. 15 and continues to Jan. 9. The show will feature two and three dimensional pieces of artwork created by members of the museum. A variety of media is used. Admission is \$1 for adults and 50 cents for children. There is no fee for members.

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.

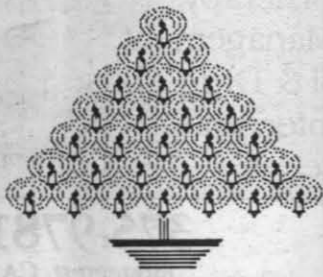
A Renaissance Dinner will be held by the Burroughs High School Music and Drama departments on Friday (tomorrow) and Saturday (Dec. 14 & 15) evenings starting at 6:30 p.m. Costumes are welcome. Enjoy entertainment, music, songs, a five course meal, drama and humor for only \$18 per person. Tickets are available at the Bookshelf.

Musicians from the Desert Community Orchestra and Cerro Coso College Choir will join together to "make a joyful noise" as they present Antonio Vivaldi's *Gloria* at their upcoming Music for Christmas concert on Sunday, Dec. 16. Being held at the college's Lecture Center, the concert begins at 4 p.m. A preview of the music will start at 3 p.m.

Tickets are \$8 for general admission with reduced prices available for seniors, 65 and over, youths, 18 and under, and music students of any age.

### Calendars available

Girl Scout calendars are now available. Cost is \$3.50 for a wall size and \$2.50 for a pocket size. Anyone interested in obtaining a calendar can call a local Girl Scout or the toll free number (800) 225-4475.



### Gremlin Glass



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Upgrade to 800x600 card & 1024 x 768 monitor only \$379, same with 1024x768x256 colors card only \$439

## Computer Store

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

## Girl Scouts plan mini-camp at NWC

Girls in Ridgcrest and Trona are getting ready for a mini-camp on Jan. 2-4.

Sponsored by the Girl Scouts, the camp will include traditional campfire singing and hiking, puppet shows, plays and juggling. The event is scheduled to be held at the Girl Scout Hut on the Naval Weapons Center. Girls from grades K-6 are eligible, however, kindergartners may only attend from 8 a.m. to 12:30 p.m. Girls do not have to be members of Girl Scouts to attend. Call 375-5431 for more info.

# Nobody Beats Midas

## SAVE ON MIDAS EXPERT CAR CARE

### BRAKES \$69<sup>00</sup>\*

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  
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### LUBE, OIL, FILTER \$18<sup>95</sup>\*

• 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

### 2-WHEEL HI-TECH COMPUTERIZED ALIGNMENT \$19<sup>95</sup>\*

• Inspect steering and suspension system • Set all adjustable angles of front wheels to manufacturer's recommended specifications (Chevettes toe only) • For most cars and light trucks • Road test THRUST-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. FREE

## 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.

## Troubleshooter's ability to call the shots earns praise

Imagine yourself standing in the middle of a flight line making the final inspection on a \$40 million piece of thundering steel ready to take off, but the aircraft can only leave if you give the go ahead. Remember, you're responsible for both aircraft and pilot if you overlook that one shred of

Air Test and Evaluation Squadron Five (VX-5) faces up to 10 or 15 times a day and he eagerly looks forward to each launch.

"We are the final checkers, the ones who make the last judgment call, and that creates a ton of pressure!" remarked the flight

ready to take off, service and repair it if need be, or give the signal to ground the airplane when problems are spotted that could be detrimental to the pilot or aircraft. "The main concern is the aircraft and whether or not all systems are ready to go," said Finger.

Petty Officer Finger's "outstanding performance as a troubleshooter branch supervisor has directly contributed to the successful completion of the squadron mission of operational test and evaluation. He has become an unparalleled flight line troubleshooter and coordinator, unrelenting in his desire to get the job done. The responsibility that is professionally carried out by him include not only servicing, repairing, troubleshooting and final checking aircraft, but making frequent up or down decisions critical to flight safety," stated the citation letter by VX-5 Commanding Officer, Raymond A. Kellett, Jr.

The squadron can average between 10 and 15 sorties during both day and night depending on the number of projects being tested. "If you think making those types of decisions are rough during the day, its even worse at night. . . visibility at night makes the job incredibly more difficult," commented the supervisor. But no matter how challenging and dangerous the job can get, the young sailor loves the thrill of working with aircraft. Petty Officer Finger admits "occasionally its tough to tell an angry pilot who wanted to fly that he can't," but its all part of being safe.

Surprised at being awarded the honored Vampire title, Finger commented, "it really feels good to be acknowledged for the work accomplished on the flight line!"



**GOOD TO GO! -- VX-5's Aviation Machinists Mate Second Class Raymond K. Finger gives the okay to launch an aircraft after making the final inspection of the bird. The Vampire was named Supervisor of the Quarter. Photo by Foster**

shred of evidence which indicated possible trouble ahead! It is a responsibility many of us would rather not ever be faced with. But one Aviation Machinists Mate Second Class Raymond K. Finger is "troubleshooter." Finger was named VX-5's Supervisor of the Quarter for the Fourth Quarter FY90. He supervises a shop of six troubleshooters, whom he trains to inspect aircraft as it is

## Navywide chief petty officer exams to be held in January

WASHINGTON (NNS)-- Navywide examinations for advancement of chief petty officers will be held early next year according to the Navy Military Personnel Command.

Exams for active-duty candidates will be given on January 17, while those eligible on inactive status will be tested during February, 1991.

To be eligible, all candidates must complete three years time in rate, required Navy training courses, pass the Military Leadership Exam for CPO and complete the personnel advancement

requirements before Dec. 1 of this year. Candidates for chief must also have their commanding officer's recommendation and meet health and physical readiness program requirements.

The FY-92 active-duty E-7 selection board will convene June 10 next year and the reserve selection board will meet July 1.

Unsolicited correspondence from candidates to selection board presidents must be postmarked by May 1 to be considered by the active board and by June 1 to be considered by the reserve board.



## The Skipper Sez...

### QUESTION

I recently received a call from an individual requesting my fax number. I tried to identify the person. The only identification I could get was it was an insurance exchange type corporation. I told him that the fax machine was only authorized for government usage, but he persisted in trying to get the number from me. Eventually, he gave me the name of a person that does not work at NWC.

But, the question arises -- is using a fax machine to receive messages from just anybody considered fraud, waste and abuse? Is it just strictly a government function? I don't know if there is a regulation stating the use of a fax machine and giving fax numbers out to unauthorized users. I would like to find out more about this.

### ANSWER

While there is no regulation or instruction specifically addressing "fax" machines, there are many which address the use and control of government equipment, property and facilities. Specifically, NAVWPNCENINST 5370.1E of 12 Oct 89, Standards of Conduct Program, Paragraph 7f, "NAVWPNCEN personnel will not: (5) use or allow the use of Government manpower, property, facilities or information for other than official purposes."

Therefore, sending or receiving fax messages to or from unauthorized users constitutes a violation of the Standards of Conduct.

You are to be commended for refusing to provide your "fax" number to the unauthorized user.

### QUESTION

Why can't I be handed a Material Safety Data Sheet (MSDS) at Warehouse 27 when I pick up a hazardous material from Supply? I was told to go to some other warehouse if I wanted it. This is a waste of my time and I doubt if very many engineers ever follow through with this warehouse hide and go seek.

### ANSWER

It is the Naval Weapons Center policy that MSDS be made available to all NWC customers at Warehouse 27 when drawing hazardous materials (HAZMAT). If the HAZMAT item is an infrequently used one, a few-minute wait may be experienced, but the MSDS will be delivered to the customer at Warehouse 27 as soon as possible.

A complete set of current MSDS is maintained on a computer for our customers. We are prevented from locating electrical equipment, such as the printer or computer, in Warehouse 27 for safety reasons. Therefore, only the frequently used MSDS hard copies are physically stocked within Warehouse 27.

Warehouses are contractor operated and the contractor is aware of this policy. The requirement for MSDS availability has been emphasized and will continue to be a high visibility Supply Department service.

It is important that any customer, who may experience difficulties in obtaining an MSDS, immediately contact Code 213 on NWC ext.

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.

## Find out more about recruiter duty

Washington (NNS) -- Senior petty officers and chiefs with recruiting experience and proven leadership ability are encouraged to apply now for selection into the Career Recruiter Force (CRF).

For more details, see NAVADMIN 011/90 or call NCC Blegen at COMNAVCUITCOM at (202) 696-4077, (AV) 226-4077.

# Chapel Call



"The Changes Children Bring"

Bret Harte, in his classic short story "The Luck of Roaring Camp," told of the birth of a baby on the American frontier. The woman of the mining camp, Cherokee Sal, a disreputable woman at best, died in childbirth, leaving a healthy young baby boy to be raised by the now all-male camp. These rough, hard men made a decision that would reflect the changes that would come later. They considered hiring a woman nurse to care for the baby but eventually decided not to. Their logic was this; a nice nurse wouldn't come to their camp, and they didn't want any more women who weren't nice hanging around their baby. And so the work of regeneration began in Roaring Camp. The cabin assigned to little "Tommy Luck," as they called him, was kept scrupulously clean and whitewashed. The beautiful rosewood cradle that they purchased for the baby made the rest of the cabin look wretched, so they had to fix up the rest of the furniture in the room. Then a quarantine was imposed on those who want-

ed to hold little Tommy Luck, so they had to clean up for that privilege. Each act of cleanliness exposed that much more dirt and filth in the vicinity, so that new measures were taken to keep an ever-wider expanse of the camp clean. Since the baby needed rest, the camp became quieter and more dignified, less noisy and boisterous, no longer the "roaring camp" of the story's title. The story of the baby of the roaring camp is the story of how a little baby can change lives.

The prophet Isaiah spoke that that would happen when the Messiah comes, and he said, "A little child shall lead them." One little child! His name is Jesus, and when he is born, nothing is ever the same again.

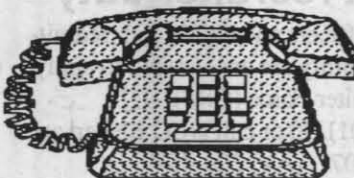
What about you? Once this baby is born, will your life be any different because of him? Will you put aside your old ways to take on the cost and joy of discipleship in his name? We all know that children bring changes in life. What changes will this child bring to your life on Christmas Day?

Lt. Gerald L. Goodman, CHC, USNR



**PILOT EARNS THANKS --** Chief Staff Officer Capt. Gene Allen (right) presents Airfield Operations Division Officer, Lt. James Krise (left) with a letter of appreciation for his outstanding efforts in salvaging a recent F-A-18 crash.

Photo 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)

## Christmas schedule for All Faith Chapel

Following is the Christmas schedule for the All Faith Chapel.

- Protestant**  
 Dec. 16, Sunday, 10:30 a.m. -- Sunday School Christmas Program *The Meaning of Christmas* will be presented during the regular worship service.  
 Dec. 23, Sunday, 10:30 a.m. -- Cantata *Love, Joy, Peace* will be presented during the regular worship service.  
 Dec. 24, Monday, 7 p.m. -- *Candlelight Service*.
- Catholic**  
 Dec. 17, Monday, 7 p.m. -- *Communal Penance Service* (No confessions from Dec. 23-25).  
 Dec. 23, Sunday, 9 a.m. -- *Mass* of the 4th Sunday of Advent (no CCD classes this Sunday).  
 Dec. 24, Monday, 12 a.m. midnight -- *Christmas Midnight Mass*. Reception immediately following in the East Wing.  
 Dec. 25, Tuesday, 9 a.m. -- *Christmas Day Mass*.  
 Dec. 30, Sunday, 9 a.m. -- *Mass* (no CCD classes this Sunday).  
 Dec. 31, Monday, 5 p.m. -- *Vigil Mass* for New Year's Day.

## Double Check your eligibility

As of Jan. 1, all military dependents, retirees and their dependents must be on the Defense Eligibility Enrollment Reporting System (DEERS) to be seen in any military medical facility. If your dependents are not on DEERS, the appointment will be cancelled, to be rescheduled when proof of DEERS is provided.

Please make sure all your family is on the DEERS Program. Newborns are no longer exempt, and must be enrolled in DEERS as soon as they are born.

If you need to check the status of your eligibility on DEERS, call NWC ext. 2911, ext. 246.

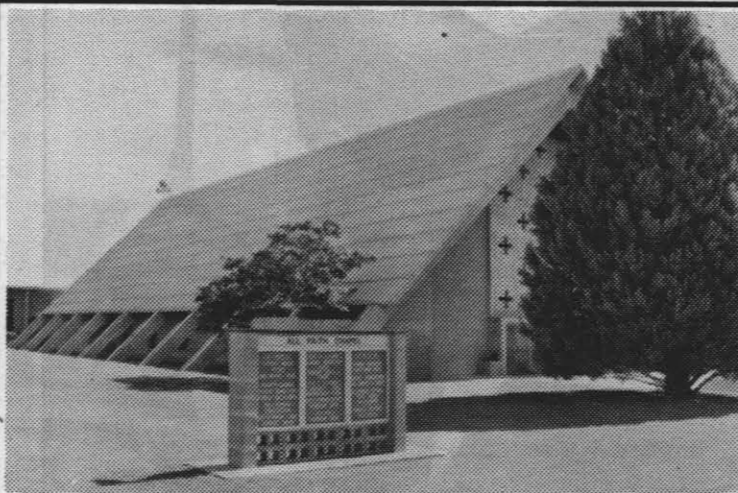
## New CHAMPUS head announced

Air Force Col. David Bogner, M.D., has been named medical director for the Office of Civilian Health and Medical Program of the Uniformed Services (CHAMPUS).

Bogner serves as medical consultant for the agency and as medical liaison to other federal and civilian health programs and agencies.

He also works with military hospitals, CHAMPUS demonstration projects, the CHAMPUS claims processors and professional associations.

"I'm looking forward to assisting in shaping policies and programs that provide essential medical services in the most fiscally responsible manner," Bogner said.



## 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	
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	

# Personnel development opportunities available at NWC

*(Continued on Page 20)*  
 cause-and-effect diagrams. Benefits from using cause-and-effect diagrams. *Separate the Vital Few From Trivial Many: Pareto Analysis. Invest in Improvement* -- TQM begins and ends with education.  
 Deadline: January 15.

**Introduction to TQM for Clerical Personnel (4 hours)**  
 Jan. 24, 0800-1130, Training Center. By Code 012.  
 Scope: This course is designed to introduce Total Quality Management Concepts to clerical personnel with a slant towards how TQM principles can be implemented in their work place.  
 Deadline: January 9.

**Official Naval Correspondence (12 hours)**  
 Feb. 6-7; 1st day, from 1230-1600, 2nd day, from 0800-1600; Training Center. By LaNelle Thompson.  
 Scope: This is a class for all Center personnel who type, write or approve naval correspondence. It is a detailed overview of SECNAVINST 5216.5C and NAVWPNCENINST 5216.8, which review standards for correspondence preparation, formatting and paperwork management.  
 Note: Please bring a copy of SECNAVINST 5216.5C (Correspondence Manual) dated Aug 83 to this class.  
 Deadline: January 31.

**Basic Naval Writing for Beginners (12 hours)**

Feb. 5-6; 1st day, from 0800-1600, 2nd day, from 0800-1130; Training Center. By LaNelle Thompson.

Scope: SECNAVINST 5216.5C sets new writing standards that are important to anyone who writes or reviews the writing of others. The class instructor will review those standards, i.e., the use of active versus passive verbs, personal pronouns, short sentences, etc. A workbook (OPNAV 09B-P1-84) with exercises and answers that reinforce the principles of better naval writing will be used in class.  
 Deadline: January 30.

**Custody Control Point (CCP) Procedures (12 hours)**  
 Feb. 12-14, 0800-1130, Training Center. By Code 243.  
 Scope: This class is for all control points and alternates. It will include a discussion of CCP responsibilities, duties and procedures. This "hands-on" class will cover classified document control, accountability procedures, custodial responsibilities, transmittals, markings/wrappings/addressing packages, accounting procedures, reproduction and distribution. There will be opportunities to share problems, methods of resolving them and "good ideas" that work for you.  
 Deadline: January 30.

**Naval Messages (4 hours)**  
 Feb. 19, 0800-1130, Training Center. By RMI Smith.  
 Scope: This course covers the steps involved in drafting and typing the narrative type of Naval message,

including the response of the drafter and releaser. Miniature procedures will also be covered. Point of contact is NWC ext. 2675.  
 Deadline: February 2.

**Files Improvement and Records Disposition (12 hours)**  
 Jan. 29-31, 0800-1130, Training Center. By Pam Rivera, Code 2151.

Intended Audience: Clerical/Administrative.  
 Scope: This class is designed to help record keepers understand and apply basic rules related to filing. Topics covered are standard filing procedures; eliminating needless filing; cross-referencing; indexing; and using filing aids such as color codes, labels, file guides and recommended file folders. Use of the Navy Standard Subject Identification Code and the use of microfilming, identification of record material, disposal of records and use of the Federal Records Centers for storage will be discussed.  
 Deadline: January 16.

To enroll in any of these classes, submit a NAVWPNCEN Form 12410/73 via department channels to Code



## Chico writing exam set

On Jan. 16, the Upper Division Writing Competency Examination will be given at NWC. Cal-State Bakersfield Cal-State Chico undergraduate students may satisfy the writing competency requirements by passing this exam.

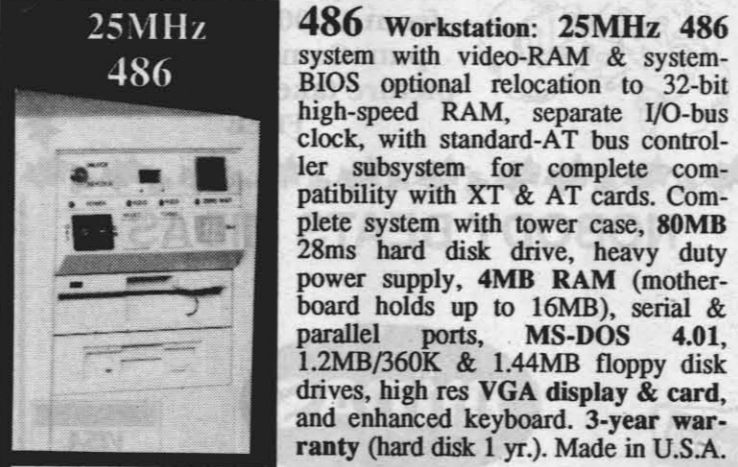
Cal-State Bakersfield students must have completed at least 90 quarter units of college work prior to taking the exam.

Undergraduate students planning to take the Cal-State Chico Course CSCI 172, *Systems Architecture*, must pass the writing exam prior to the beginning of the course.

The examination fee is \$12. Make checks payable to Cal-State Bakersfield. Eligible students wishing to take this exam should call Helen Benes at NWC ext. 2648.

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# Co-workers need extra leave due to medical emergencies

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.

**Jeff Bailey, Computer Scientist, Code 3142** -- needs to take care of his wife, who is hospitalized for at least five weeks and take time off for their family.

**Barbara J. Bennett, Secretary, Code 308** -- had arthroplasty and needs to be off work for three months.

**Ernest Bigelow, Reliability Engineer, Code 3686** -- is giving full time care to his wife, who is critically ill.

**Thomas Boyd, Visual Information Specialist, Code 3414** -- is off work and indebted for leave due to osteomyelitis of the spine.

**Leo Montano, Visual Information Specialist, Code 3441** -- is undergoing further cancer treatment and is in need of leave.

**Marlene Nelson, Paralegal, Code 006** -- underwent unexpected emergency surgery.

**DeWayne Davis, Engineering Technician, Code 3665** -- underwent surgery.

**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.

**Melvin R. Mather, Engineering Technician, Code 3921** -- is recuperating from surgery.

**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.

**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.

**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 \_\_\_\_\_

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# Center offers variety of training courses

**How To Thrive On Chaos And Achieve Total Quality Management (24 hours)**

Feb. 13-15, Wednesday through Friday, 0800-1600, Carriage Inn. By Roger Kirkham.

Prerequisite: Read Chapter 2 of *Out of the Crisis*, by Dr. W. Edward Demmings.

Intended Audience: Managers and supervisors.

Scope: The class outline includes: *Facing the Need for Revolution* -- establishing world-class quality and world-class service. *Management Must Become Obsessed With Quality* -- establishing constancy of purpose. *You Must Identify Suppliers & Customers* -- precisely, who do you depend on for your output? Exactly, who are your customers? *Establishing Precise Understanding of Process Flow* -- TQM focuses continuous improvement within the process flow. *Improve Responsiveness to Customers* -- government, business & industry MUST improve customer responsiveness. *The Importance in Management of Understanding Variation* -- important benefits of understanding variation. Decide what needs to be controlled. Operational definitions provide measurable indicators. Understanding when a process is in statistical control. Control charts enable statistical control. Types of control charts. How to use control charts. Problems when implementing statistical quality control. Inspection does not achieve quality. *Eliminate MBO & Work Standards - Substitute Leadership* -- why managing by objectives doesn't work. Why quotas and work standards don't work. Steps for standardizing working methods. *Improvement Requires Change & Total Quality Management. Separate the vital Few From Trivial Many: Cause & Effect* -- types of (Continued on Page 21)

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# Public Works morning stretch helps employees start the day

A stretch and flex program has been established in the Public Works Department Maintenance Utilities Division (Code 264) by Dave McKinney, head, Maintenance Branch (Code 2642). McKinney researched the program with the Mare Island Shipyard personnel who have been using it for a couple of years. The significant drop in lost time injuries experienced by the Mare Island group convinced McKinney he was on the right track. With the encouragement and support of Mike Crom, division head, McKinney enlisted help from Betty Miller, NWC Wellness Coordinator, and started a series of classes to train the men who were to be program guides for the individual shops.

in some shops while in others they join the line; but all supervisors currently participate on a daily basis. The program is strict-

ly voluntary, although participation is encouraged.

The 264 employees interviewed were enthusiastic about

the difference the stretch and flex is making in their flexibility. Most seemed to feel it was beneficial and even enjoy participating

after they get over the initial self-consciousness.

It will take approximately six months to get a statistical base for comparison according to McKinney. The benefits to date are an increase in flexibility, higher morale, better understanding of the body and its abilities, heightened safety awareness. One of the surprising facts about the stretch and flex program is that a 60 year old person in normal health has the same ability to become flexible as a twenty year old.

The program McKinney has begun in the Maintenance Utilities Division has sections for people who are in sedentary positions such as office personnel. Hopefully the program will expand to the rest of the Public Works Department in the near future.

All 264 shops meet at 7 a.m. every working day for approximately 7-12 minutes of stretch and flex before beginning the work day.



**UP, UP, AND STRETCH THOSE MUSCLES AWAY** -- A Public Works foreman leads the early morning stretch and flex program while employees join in the fun. Every morning at 7 a.m., fellow workers meet to stretch and flex those tired, sleepy muscles so they can prevent any possible injuries.

# Job order number needed for scan

### First Time for Everything!

Blame it on what you want; rising gasoline prices, immanent recession, the ongoing drought, or Saddam Hussein. The bottom line is that we've changed a rule on you. In last week's Compu-Chat, I told you that you could get a copy of VIRUS Scan for the IBM PC at the PC Lab by merely exchanging a blank floppy disk.

That was true last week. starting right this very moment, you will need a JO # to get a copy of VIRUS Scan from the PC Lab. The JO will only be charged the small fee of \$5.00. This covers the cost of the disk and duplication of the software. A cheap price to pay for the amount of virus protection you are receiving.

By Bob Beane

It's taking alot more labor than expected to reproduce all the disks that are being requested. Therefore,

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**Navy-Marine Corp Relief Society Opens**  
From Dec. 24 through Jan. 1, the Navy Relief Society will be closed. On Jan. 2, it will reopen as the Navy-Marine Corps Relief Society.  
During the time of closure, if there is an emergency, or if a family is in need of food, please call the Quarterdeck. A caseworker is always on call.

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## Answers to common questions about NWC's acceptance of gratuities policy

The holiday season can present a government employee with many questions about the restriction against the acceptance of gratuities. The most important thing to understand is what does or does not constitute a gratuity. SECNAVINST 5370.2J defines a gratuity as "any gift, favor, entertainment, hospitality, transportation, loan, or other tangible or intangible item or benefit... for which retail market value is not paid by the recipient or the United States Government."

Following are some of the more commonly asked questions and answers.

**My spouse is employed by a contractor. Can I go to the company Christmas party without paying. Can I go if I pay for the meal?**

Under normal circumstances, it would be considered a gratuity for you to accept the invitation of the DoD contractor; however, an exception is made if the government employee is the spouse of a DoD contractor employee, so long as it is the company's policy to permit all employees to bring spouses. It is not necessary that you pay for the meal unless payment is expected of other spouse attendees.

**My neighbor works for a contractor. We've been good friends for years and he is retired civil service. If he invites me to his company Christmas party, can I attend as his guest? Can I attend if I pay a guest fee?**

The exception against acceptance of a gratuity from a DoD contractor is extended only to spouses of the contractor personnel, not long-time friends. Payment of the full retail market value of food, entertainment and hospitality by you would pre-

clude the acceptance of a gratuity. However, depending upon the nature of your official duties, your attendance could create the appearance of a conflict of interest. Before you attend the party, you should request written approval from your immediate supervisor. If your immediate supervisor approves and if you can determine the retail market value of the benefit you will receive and if you pay the full value, it would not be considered a violation under the provisions of SECNAVINST 5370.2J.

**We have a code Christmas party every year. Can the employees in the code exchange gifts of a nominal (\$10) value? Can the supervisor give small gifts to the employees?**

There is no prohibition against a gift exchange among government employees or against a supervisor giving gifts to his/her subordinates. Furthermore, there is no dollar limit imposed on these activities. The restriction deals only with gifts given to a supervisor by his/her subordinates. Because Christmas is not a significant personal occasion, solicitation for contributions to the gift for a supervisor and acceptance of the gift by the supervisor both constitute a violation under SECNAVINST 5370.2J.

**We deal closely with more than one contractor firm. If the company gives the office, not an individual, a box of candy worth \$5-\$10, can we accept it?**

No. There is an exception to the acceptance of a gratuity rule that permits the acceptance of "unsolicited advertising or promotional items that have less than \$10 retail value. A box of candy, regardless of its cost, is not an advertising or promotional item.

Since the gratuity was given to the office instead of an individual, the head of the office should return the item to the company with a letter explaining the reason for non-acceptance.

**Can the supervisor of a civil service office pay for a Christmas party for the employees? Can a party be held on off-duty time in a government building?**

There is no problem with a supervisor hosting a party for the staff. As to whether or not the party could be held during off-duty hours in a government building, this would have to be decided on a case-by-case basis.

**My child works for a defense contractor in a Southern California facility. The firm has a Ridgcrest office doing business with NWC. Can I attend a Christmas party in the L.A. office if invited by my child?**

The exception for attendance with a spouse who is a DoD contractor employee has also been interpreted to include other members of the immediate family. It is still necessary however, that the company's policy permit all employees to bring members of their immediate family.

**My neighbor's family and mine have exchanged Christmas gifts for years. He recently**

**retired from civil service and went to work for a contractor. Do we have to end the traditional gift exchange?**

Customary exchanges of gratuities between government employees and their friends, even if those friends are employed by a DoD contractor, is not a violation. The circumstances must clearly indicate that it is the personal relationship that is the sole motivating factor for the gratuity and that the gratuity is not paid for by the government or the DoD contractor.

**A member of my immediate family works for a contractor. Can I accept Christmas gifts from the family member?**

Customary exchanges of gratuities between government employees and their relatives, even if those relatives are employed by a DoD contractor, is not a violation. The circumstances must clearly indicate that it is the personal relationship that is the sole motivating factor for the gratuity and that the gratuity is not paid for by the government or the DoD contractor.

If you have any questions on what is right to accept or not accept, call the Phyllis Linder at NWC ext. 2642.

## Craftech sponsors bus trip to factory outlet

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.

## Qualified employees sought to fill vacancies

### Secretarial opportunities

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

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

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

**No. 24-025, Secretary (Typing) DG-318-3/4, Code 24** - Position is located in Safety and Security Department. Incumbent serves as principle clerical/administrative support for department. Promotion potential to DG-4, but not guaranteed.

**No. 30-017, Secretary (Typing) DG-318-3/4, Code 30** - Position is located in Weapons Planning Group. Incumbent will provide secretarial support to the Head, Weapons Planning Group, Associate Head and Assistant Head and oversee quality of clerical products of the Department. Experience with the Macintosh is desired, but not required. Incumbent must be able to obtain and maintain a Secret clearance. Promotion potential to DG-4, but not guaranteed.

**No. 31-083, Secretary (Typing), DG-318-1/2, Code 3156** - The incumbent will provide secretarial and administrative support to the RF Systems Branch. Knowledge of and working skill on the MacIntosh PC is desirable. Promotion potential to DG-2. The area of consideration for this position is the 03 Directorate.

**No. 31-096, Secretary (Typing), DG-318-1/2, Code 3107** - This position provides secretarial and administrative support of the Deputy for Foreign Military Sales in the F/A-18 Weapons Systems Support Activity.

**No. 31-083, Secretary (Typing), DG-318-1/2, Code 3952** - This position is open to current 03 employees only. Incumbent will provide secretarial and administrative support to the RF Guidance Analysis Branch. Knowledge of and working skill on the Macintosh PC is desirable. Promotion potential to DG-2, but not guaranteed.

**No. 39-050, Secretary (Typing), DG-318-1/2, Code 3912** - This position is open to current 03 employees only. This is a part-time position, approximately 20 hours per week (hours negotiable). The incumbent provides secretarial support to the Head, EO Missile Systems Branch and branch personnel. Knowledge and working skill on the Macintosh PC is desirable. Promotion potential to DG-2, but not guaranteed.

**No. 22-9036, Bowling Equipment Worker, NA-4819-5, \$6.23 - \$7.30 per hour, Code 22941.** This position is located at Hall Memorial Lanes within the Morale, Welfare and Recreation Division. Incumbent will perform the following duties: assist in the overhaul, repair and inspection of AMF equipment for a 10 lane house; clean and maintain bowling alleys; order and stock inventory repair parts and equipment; maintain logs and records; train other personnel in their duties as helpers and other duties as assigned. **Job Relevant Criteria:** Must have manual dexterity and mechanical aptitude; ability to follow detailed oral and written instructions and, preferably, a basic background in bowling center operations in relation to minor malfunctions and repairs.

### 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. 31-081, Interdisciplinary (Aerospace/Mechanical/General Engineer), DP-801/830/861-2/3, Code 3182** - This position is located within the Weapons Survivability Lab (WSL), Survivability & Lethality Division, Aircraft Weapons Integration Department. The incumbent is responsible for the design, development, and implementation of hardware and facilities supporting survivability and aerodynamic test programs. Tasks routinely involve design of large steel structures, aircraft modifications, unique test support equipment, pneumatic and hydraulic systems, and computer aided design and analysis. The incumbent monitors fabrication, installation, and operational checks of completed designs. Duties include acting as a general engineering consultant and a range engineer in support of all WSL programs and providing direct technical support of facility designs and improvements.

**No. 31-095, Interdisciplinary (General/Electronics/Electrical/Aerospace/Mechanical Engineer/Physicist/Mathematician/Computer Scientist), DP-801/855/850/861/830/1310/1520/1550-3, Code 3156** - This position is in the RF Systems Branch of the Targeting and Fire Control Division, of the Aircraft Weapons Integration Department. The incumbent, as the System Engineer for an advanced radar technology development program, provides system level engineering support and coordinates the efforts of a Navy engineering team conducting in-house simulation/analysis and technical evaluation of the efforts of a contractor development team. The contractor's development efforts include system simulation/analysis, system engineering, system design, brass-board fabrication, laboratory evaluation and flight testing. The incumbent assists the NAVWPNCEN Program Manager in supporting OPNAV/NAVAIR sponsors and maintaining inter-program/Naval lab liaisons. Moderate travel is required.

### CSUN writing exam planned for January 23

On Jan. 23, the English Writing Proficiency Test will be given to graduate students of Cal-State Northridge (CSUN). CSUN students should take the exam as soon as application for admission has been submitted. This test must be passed before the student is granted unconditional status as a master's candidate.

Graduate students must attain unconditional status before earning more than 12 units of academic work acceptable towards the master's degree.

The exam fee is \$20. Checks must be made payable to California State University, Northridge (CSUN).

Arrangements to take the exam may be made by calling Helen Benes at NWC ext. 2648.



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# Personnel News & Notes

## Deadlines change

Due to the earlier distribution of the *NWC Rocketeer*, the closing date of job announcements listed under the "Personnel News & Notes" section has been changed to 4:30 p.m. on **Thursdays**, one week after the opening date of the announcement, unless otherwise specified. According to Joaquin Rivier, personnel staffing specialist, applications received after 4:30 p.m. on the closing date (**Thursday**) will not be considered.

### 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 **THURSDAYS**, 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. 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 affect-

ing/selection panels; and drafts vacancy announcements for recruitment. 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. 22-010, Personnel Management Specialist (Supervisory), DP-201-3, Code 225 (PLEASE NOTE CHANGES)** - Incumbent serves as Deputy EEO Officer/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 Federal EEO and personnel management regulations, practices and procedures; knowledge of affirmative employment programs; knowledge of personnel staffing and classification rules and regulations; ability to deal effectively with personnel at all levels; ability to manage programs and processes; ability to communicate effectively orally and in writing; ability to supervise; knowledge of EEOC regulations/implementing policies; ability to identify and resolve EEO and personnel related work force and employment problems/complaints; and knowledge of affirmative action principles including a willingness to implement EEO practices. May be required to serve a one year supervisory probationary period. Full performance level: DP-3. Previous applicants need not reapply.

**No. 24-023, Supervisory Security Specialist/Supervisory Police Officer, DP-080/083-3, Code 241** - This position is that of Head Law Enforcement Division, Safety and Security Department. Incumbent manages physical security, alarms, police investigations, and police operations and oversees the guard contract. Additionally, the incumbent supervises civilian and military patrol officers, locksmiths, the auxiliary security force, and the Marine cadre. The division requires expert knowledge in all aspects of both physical security and law enforcement with particular emphasis on Navy and DOD requirements. **Job relevant criteria:** Ability to manage an organization; Knowledge of affirmative action principles including a willingness to implement EEO goals and

policies; Ability to communicate in writing; Ability to communicate orally; Knowledge of security programs; Knowledge of police operations; Ability to deal with all levels of personnel. Incumbent must be able to obtain and maintain a Top Secret Clearance.

**No. 24-026, Telecommunications Specialist/Security Specialist, DA/DS-391/080-1/2, Code 2408** - This position is located in the Information Systems Security Office, Safety and Security Department. Incumbent will be the Communications Management System Custodian. In addition, duties include the STU III program on center and network encryption. **Job relevant criteria:** For 391 - Knowledge of Communication Management Systems; Knowledge of STU III requirements; Knowledge of network encryption devices; Knowledge of telecommunications systems; Knowledge of computer networks and protocol. For 080 - Knowledge of Communication Management Systems; Knowledge of STU III requirements; Knowledge of network encryption devices. This vacancy is open to all permanent DOD employees.

**No. 26-037, Production Facilities Clerk, DG-303-A/1/2/3, Code 2633** - This position is located in the Public Works Department, Engineering Division, Engineering Support Branch. Duties include receiving, logging, and distributing all work requests, issuing contract numbers, preparing construction documents for typing, review, and bid, and procuring funding documents. This position also schedules the engineering effort, maintains the work request database, and communicates with all project design engineers and management. **Job Relevant Criteria:** Ability to learn DOS and VMS computers, spread sheets and word processing; ability to communicate both orally and in writing; ability to deal with all levels of personnel. Full performance level: DG-3.

**No. 31-086, Clerk, DG-303-1/2, Code 315** - (This is a Part Time position). This position is located in the Targeting and Fire Control Division of Code 31. The incumbent is responsible for the receipt, records maintenance, and destruction of classified documents for the Division. The incumbent also provides clerical support to the Division. **Job Relevant Criteria:** Knowledge of NWC security procedures and regulations as related to classified documentation; ability to deal effectively with people; ability to apply rules, regulations, policies, procedures, and instructions. Secret clearance is required. The full performance level of this position is DG-2. The area of consideration for this position is the 03 Directorate. Previous applicants need not reapply.

**No. 39-052, Supervisory Interdisciplinary (General/Mechanical/**

**Electronics/ Aerospace Engineer/Physicist), DP-801/830/855/861/1310-3/4, Code 39B8** - This position is that of Sparrow Project Manager located in the Sparrow Project Office. The incumbent will report to the Head, Anti-Air Projects, Code 39B. The Sparrow Project Manager is responsible for all aspects of Sparrow effort at NAVWPNCEN, including planning, budgeting, contracting, staffing, and project execution. The project manager will place personal emphasis on the tasks of negotiating and representing NAVWPNCEN status, positions, and plans to NAVAIR and to the Sparrow community outside NAVWPNCEN. The project manager will exercise direction of NAVWPNCEN inhouse efforts and contracted efforts. **Job relevant criteria:** Knowledge of Naval weapon systems and requirements; ability to influence and motivate others; ability to plan, organize, coordinate, and manage technical projects; understanding of NWC personnel policies and procedures; knowledge of affirmative action including a willingness to implement EEO policies and goals. Must serve one year supervisory probationary period if not previously completed. Promotion potential to DP-4, but not guaranteed.

**No. 62-045, Electronics Technician, DT-856-1/2/3, Code 62511** - This position is located in the Computer Operations Section of the Computer Systems Branch, Data Systems Division, Range Department. Incumbent will assist in the operation and maintenance of the Range Control Center Integration and Processing Systems (RIPS), a major range instrumentation system. This center supports many aspects of range testing and is crucial to controlling tests and providing data to range customers. Incumbent will provide technical support to this system; operate, maintain, and repair large sophisticated computer systems including peripherals; and gain familiarity with video systems and data interfaces. **Job Relevant Criteria:** Ability to develop and interpret schematics and engineering drawings; skill in operating computer systems; ability to maintain, calibrate, and troubleshoot electronic equipment; knowledge of communications systems; knowledge of NWC test range operations. Promotion potential to DT-3.

### Savings bonds are tax deferred

Federal income tax on the interest earned is deferred until United States Savings Bonds are redeemed or reach maturity. They are totally exempt from state and local income taxes.

## Optical Society honors Dr. Jean Bennett

Research Department's Senior Scientist's (Optics) studies of optical surfaces gains recognition

(Continued from Page 1)

optical surfaces which have provided the optics community with a more thorough understanding of optical surface phenomenology and a meticulous methodology for and theory; and characterization studies of optical surfaces. Dr. Bennett has been hailed for her work in developing very accurate surface roughness measurement techniques and interpretation of scattering from surfaces.

*"One of them started speaking to me in Russian!"*

While at the annual meeting of the Society Dr. Bennett encountered two very distinguished looking gentlemen who wanted a moment of her time. "One of them started speaking to me in Russian, while the other was translating." It turned out that Russian scientist, Michail M. Miroshnikov, corresponding

member of an academy of the USSR had also been invited to the annual meeting. He had been so impressed with Dr. Bennett's new book *Introduction to Surface Roughness and Scattering* that he personally brought his review of the book to give her. "The monograph is an excellent comprehensive work - it is a guide considering practically all subjects of the surface roughness measurement theory and practice. Undoubtedly, the book is a helpful manual for a wide range of specialists and will favor future development of the methods and means of the surface roughness control," praised the review.

From March through September of 1988 Dr. Bennett was a visiting scientist at the Institute of Optical Research in Stockholm, Sweden. She collaborated with Dr. Lars Mattsson and other scientists on various research projects and set up specialized surface-evaluation instruments at the Institute in Stockholm.

During this time she and Dr. Mattsson completed the book *Introduction to Surface Roughness and Scattering* which had been started during an earlier visit in 1986. The book is structured as a tutorial study for those being introduced to the subject, yet later chapters are intended for more

(Continued on Page 11)

*"I've enjoyed working in this subject area for the past 30 years"*

Parents who would like to know more about day care services should call the Children's Center at NWC ext. 6681.

## No changes for Day Care Center

Changes in programming services for the Naval Weapons Center Children's Centers will not take place at this time, noted Camie Keeter, head of the Child Services Branch. While the idea of eliminating part-time or hourly child care services has been discussed to help offset the activities' projected deficit, no decisions have been reached, she stressed.

In an effort to help offset some of the deficit and to enable management to have more time in finding a solution to the problem, Capt. Douglas W. Cook, NWC's Commander, has rerouted some funds to enable the programs to operate for a while longer. "This doesn't solve the problem," Keeter said, "but it gives us some time to look at our options."

Some of the options include increasing the use of the Children's Center's drop-in child care, using attrition and closely monitoring income and expenses to make changes to accommodate the tighter budget. Increasing fees in areas not covered under the Congressionally mandated rates is also an option.

The most promising possibility for additional income, though is for parents to utilize the drop-in child care. "We have a viable service to parents, military and civilian alike, which is not being used to its full potential," she said. "In order to keep these services going, we need the parents to take advantage of it."



AMERICAN OPTICAL SOCIETY HONORS CHINA LAKER -- NWC's Research Department's Senior Scientist (Optics) Dr. Jean Bennett (center), recently received the David Richardson Medal at the American Optical Society's annual meeting in Boston, Mass. Laboratory Director Sterling Haaland (right) and Dr. Ron Derr (left) congratulate the scientist during a reception in her honor at Michelson Laboratory. Photo by PH3 Cary Brady

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# Center helps with 1st Christmas Tree Recycling Program

During the holiday season, the Center is working with community groups throughout the Indian Wells Valley to recycle Christmas trees. This recycling effort will help conserve valuable landfill space and the trees will be chipped to provide mulch for city parks and grounds.

The Environmental Project Office (Code 008), Housing Office (Code 2672), and Contract Surveillance Branch (Code 2671) are coordinating the tree recycling program for NWC residents. NWC residents can recycle

their Christmas trees by leaving them at the curb Sunday night, December 30, for a special pickup Monday morning, Dec. 31. Pan AM is providing the pickup service. Trees collected on-Center will be taken to the central drop-off location at the Kerr-McGee Baseball Field parking lot.

While the trees will be chipped into mulch and used at community parks and city grounds, any excess mulch will be available to the public for their own use.

The Center's effort is part of

the 1st Annual Christmas Tree Recycling Program sponsored by the City of Ridgecrest. The city is operating its recycling program on Dec. 29, 30, and Jan. 5 and 6 from 10 a.m. to 4 p.m. Residents may drop off their Christmas

trees, during these times, at the Kerr-McGee Baseball Field parking lot located on Downs Street, south of Ridgecrest Blvd.

Organizations throughout the community working together on this recycling program include

the City of Ridgecrest, Kern County Public Works Department, City of Tehachapi, Naval Weapons Center, Environmental Coalition, Oasis Garden Club, and the Boy Scouts and Girls Scouts of America.

Enjoy Christmas with your family in your new home.

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1991 Model 3 Bedroom, 2 Bath

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Approx. 1,128 sq. ft.

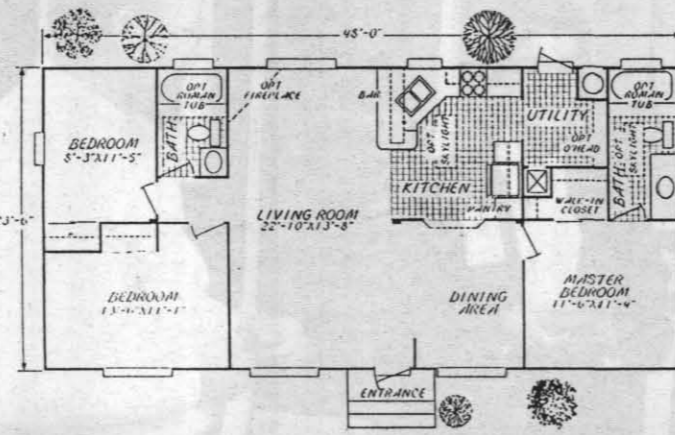
**\$38,414<sup>16</sup>**

Including park package & set-up.  
13.75% APR. 1st year rent \$99/mo.

**\$522<sup>65</sup>**

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  
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MEET DR. CARE BEAR -- NWC Branch Medical Clinic's Dr. Fairbairn (alias Dr. Care Bear), talks to military families about available medical services and Navy Relief benefits. Photo by PH3 Cary Brady

## Professional's Machine Shop

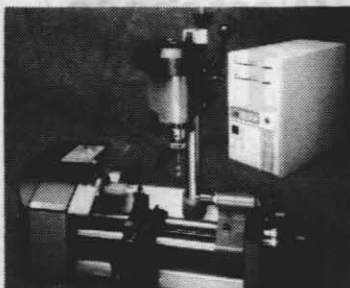
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# Happy Holidays

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**

## Rent skiing equipment from Gear Issue Office

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.
  - 01-3 -- same as warrant officer.
  - 04-5 -- \$8.50 daily, 20 per weekend and \$45 per week.
  - 06 & 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.  
06 & 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.

## Dry land ski school set


Attention novice skiers!

A free dry land ski school has been scheduled for Dec. 13. Skiers of all ages can take advantage of a free dry land ski school on Dec. 13 thanks to the City of Ridgecrest Recreation Department and the China Lake Ski Club. The school is set for 7 p.m. in the Old County Building (230 W. Ridgecrest Blvd.).


The class covers everything a beginning skier needs to know and includes demonstrations of downhill and cross-country skiing techniques, as well as a discussion of equipment, clothing, cold weather car preparation and how to rent skis.

For more information, call Milt Mollick at 375-9319 or Mary Kus at 446-4115.





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A "Cameo" is the name given to a stone with a raised image, usually the head of a woman, carved on it. Stone cameos are carved on jade, chalcedony, aquamarine and other gem stones. Whether you are thinking of a cameo, gold jewelry, an engagement set or any other jewelry item, we probably have just what you want ... in the price range you have in mind.

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## Hall Memorial Lanes has something for everyone



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.

## Discounts for military and dependents

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!



**Army beats Navy**  
30-20



**Blimpie** Give Blimpie Gift Certificates  
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# Helpful safety hints for sound Christmas lights



**Holiday safety reminders Christmas lighting**

- Purchase lights that have been checked for safety. Look for the UL label.
- Check your tree lights and outdoor lights each year before you use them. Look for frayed wires, loose connections, broken or cracked sockets and spots where bare wire is exposed. Any set that is damaged should be discarded.
- After inspecting lights, place them on a fire-proof surface and leave them on for 15 minutes. Replace any which show evidence of overheating, such as smoke or melting.
- Careful handling of lights during unpacking, decorating and repacking will lessen the chance of damage.
- All lights should be fastened securely to the tree. Higher wattage bulbs (those which get hot) should not come into direct contact with the needles or branches. The California State Fire Marshal recommends using only UL approved miniature type lights.
- Don't put more than three sets of lights on any extension cord. Do not connect more than 200 mini-lights through one string or cord. Keep the connection joints away from the water supply of a live tree.
- Curtains and other flammable materials should be kept away from bulbs.
- Never run cords under rugs, through door jams, behind radiators or across walkways.
- Any outdoor lights should be weather proof and clearly identified as designed for outdoor use. Don't try to use indoor lights for outdoor lighting. Remove outdoor lighting as soon as the season is over; even these lights are not designed to withstand prolonged exposure to the elements.
- When you leave the house or retire for the evening, be sure that all lights are turned off by unplugging them from the wall outlet. Always disconnect any electric appliance by grasping the plug, not by pulling on the cord.

**Artificial trees**

Many artificial trees are fire resistant. This does not mean that the tree will not burn, but only that it will not catch fire easily. If you buy an artificial tree, look for a statement specifying the duration of this protection. As with natural trees, keep artificial trees away from heat sources.

Metal Christmas trees present no fire hazard in themselves. However, they can be a serious shock hazard if electrical lights are attached to the tree. Sharp metal edges may cut the cord insulation or touch an electrically charged component. Either way, the whole tree will become electrically charged, and anyone touching the tree and a grounded object at the same time could receive a severe shock. The only way to safely light a metal tree is to use colored floodlights in different areas of the room. The floodlights should be positioned where children can't come in contact with them.

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## CHRISTMAS Sale Special

Perms Only \$28.00  
Haircuts Only \$6.00  
Offer Good Thru Dec.

**Cut & Dry** Tina 446-6429  
at Bennington Plaza - China Lake

# Blue Angels announce their 1990 performance schedule

Washington (NNS) -- The Department of Defense released the 1991 performance schedule for the U.S. Navy Blue Angels. Demonstration sites and performance dates are as follows:

March 20 -- NAF El Centro, CA; March 23-24 -- NWC China Lake, CA.

April 6-7 -- NAS Cecil Field, FL; April 13-14 -- MCAS Cherry Point, N.C.; April 20-21 -- NAS Norfolk, VA; April 26-28 -- MCAS El Toro, CA.

May 4-5 -- Stockton, CA; May 11 -- NAS Corpus Christi, TX; May 12 -- NAS Kingsville, TX; May 18-19 -- Sioux City, IA; May 25 -- NAS Patuxent River, MD; May 27 -- U.S. Naval Academy.

June 1 -- Blountville, TN; June 2 -- NAS Meridian, MS; June 8-9 -- Detroit, MI; June 15-16 -- Reese AFB, TX; June 22-23 -- Avoca, PA; June 29-30 -- Boise, ID (ANG).

July 4 -- NAS Lemoore, CA; July 6-7 -- NAS Pt. Mugu, CA; July 12-13 -- Puma Gorda, FL; July 20-21 -- Dayton, OH; July 27-28 -- North Kingtown, RI;

Aug. 3-4 -- Seattle, WA; Aug. 10-11 -- Elmendorf AFB, AK; Aug. 16-18 -- NAS Miramar, CA; Aug. 24-25 -- Reading, PA; Aug. 31 -- Owensboro, KY.

Sept. 1 -- Greenville, SC; Sept. 7-8 -- Peoria, IL; Sept. 14-15 -- Richardsgebur AFB, MO; Sept. 21-22 -- Peterson AFB, CO; Sept. 28-29 -- Lincoln, NE (ANG).

Oct. 5-6 -- NAS Memphis, TN; Oct. 12 -- San Francisco, CA; Oct. 19-20 -- NAS Dallas, TX; Oct. 26-27 -- Robins AFB, GA.

Nov. 2-3 -- Miami, FL; Nov. 8-9 -- NAS Pensacola, FL.

**Holiday Hours**  
The NWC Barber Shop in the Bennington Plaza will be closed for the holidays Dec. 24, 25, & 26. The staff would like to extend holiday wishes to their customers!

Season's Greetings

### 25MHz 386 with VGA complete 44MB 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 44MB 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, 1024x768x256 colors VGA adapter only \$99, to 4MB RAM \$116.

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

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# 1990 Clarence J. Renne Award salutes explosives expert

(Continued from Page 1)  
received this respected honor," commented Greene.

In 1962, Greene joined the Center's Research Department in the Chemistry Division. It was in 1964 he transferred to the Explosives and Pyrotechnics Division in the Propulsion Development Department and has spent the last 26 years working almost continuously in some capacity in the ordnance area. He designed the Detonation Physics Facility in the Bldg. 254 area, and invested many hours of his own time to ensure it was built and function-

ing. Much of the equipment and procedures originally initiated and developed by him are still being used today. The well designed facility includes an electronics laboratory, precision explosive assembly room, indoor/outdoor explosive firing pad, model maker shop, photo processing laboratory, instrumentation room, detonator firing systems and high speed camera facility. "I wholeheartedly believe that the Processing Plant and Facilities are the backbone of the Ordnance Systems Department; thus I have a very sincere appreciation

for the more than twenty-five years you have dedicated to the design, perfection and application of the equipment used for explosive characterization and processing," stated the citation letter.

Greene has collaborated on a diversity of areas within the ordnance field. He is responsible for notable improvements to the presses used to press high explosives. He has done process development for pressing, particularly on the AIM-9L warhead with the 300 ton press.

For many years, Greene managed the IMADS/HE program on Center. During this time, he promoted and supported the development of new explosives and processes, including the injection loading facility. He ended his career as the NWC program manager and head of the Explosives Technology Office.

In the nomination letter, Larry Josephson, head, Energetic Material Division, comments, "Gordon has consistently promoted the development of quality equipment and processes, and his expertise in processing explosives is recognized not only at the Naval Weapons Center, but nationwide and even internationally."



**EXPERTISE AND EXPERIENCE GAINS RESPECT AND ADMIRATION--** Gordon Greene, Explosives Technology Office, accepts a mighty handshake and the distinguished Clarence J. Renne Award from Dan Goss, acting head, Ordnance Systems Department. Many friends and co-workers gathered out at the China Lake Propulsion Laboratory cafeteria to extend their congratulations.

Photo by PH3 Cary Brady

A strong advocate for safety, Greene played an active role in establishing the first Firing Officers Program. "Over the many years, there had been quite a few accidents during explosive tests. After the advent of the program, no accidents occurred in a 10 year span. This was a very important step safety wise for our area," commented Greene. NWC



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## NWC Technical Mentor Program gives students opportunity

Margret Preller is a junior at Burroughs High School in Ridgecrest. She recently joined the Naval Weapons Center's Technical Mentor Program, which gives high school students career-related work experience while they earn school credit. She works in the Publications Division of the Technical Information Department. The editor of the Petroglyph asked her to comment on her first impressions of her job and the field of technical communication. (Petroglyph Newsletter)

Being a technical mentor student is a lot of fun. I should know: I am one. My name is Margret Preller and I am enrolled in NWC's Technical Mentor Program. I work at the Technical Information Department (TID) at NWC. Working at

TID is certainly an interesting experience. The people I work with are friendly and fun. I'm learning a lot about technical writing--especially about all the hard work that goes into it. I do a lot of work even though I am just training. I do such tasks as renumbering illustrations, word processing, filing, and running copies. I recently got a chance to edit something, and my latest "project" is writing this article.

An increasing number of teenagers are joining the workforce at NWC. Perhaps where you work, a teenager is working alongside you. In recent years, many companies have implemented such programs. For those of you who are not familiar with NWC's Technical Mentor Program, it is a plan where high school students earn credits and

eventually money while working at NWC. In their junior year, the students work without pay, receiving credit and training only. The following summer, students have the chance to earn pay working full or part time. During their senior year, students earn both pay and credit, and may work for pay that summer. It is also an opportunity for the student to enter into the "Co-op" Program, where selected students are helped through college in exchange for a certain number of years of civil service after their graduation.

Working at NWC has a lot of advantages. The Technical Mentor Program is an excellent way for teens to learn about career options at NWC. They gain valuable knowledge from their mentors and learn a great deal about



Margret Preller

how NWC operates. I'm getting training at something I really enjoy: writing. I also have a practically guaranteed summer job, and a job for the next school year. The experience I gain from working at NWC is something that I can draw from for years to come.  
By Margret Preller

### Desert Shield Sailors can now carry an excess of leave if over 60 days

WASHINGTON (NNS)-- All sailors and Marines serving in Operation Desert Shield can now carry in excess of 60 days leave on the books.

This policy extends provisions for a 90-day leave accrual to all personnel deploying to the Middle East. It had previously been in effect for sailors and Marines deployed away from their homeports due to operational commitments. This exception is for fiscal year 1990 for those personnel who were unable to reduce their leave balance below the 60 days authorized for carry-over as a result of operational mission requirements in support and defense of national security. More information is available in NAVADMIN 027/90.

### Don't forget about weekly radar hot spots

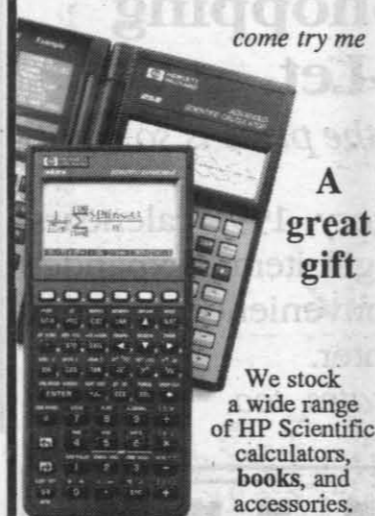
Motorists on board the Naval Weapons Center (NWC) are reminded that China Lake Police (CLP) officers enforce state and NWC traffic regulations. According to Kerry B. Swiggum, traffic manager, CLP Operations Branch, areas of concentration for radar traffic enforcement for next week are listed below.

- Monday -- Knox Road.
- Tuesday -- Inyokern Road.
- Wednesday -- Lauritsen Road.
- Thursday -- CLPL Road.
- Friday -- Richmond Road.

Violations may be cited at any time, as well as in areas other than the ones mentioned above.

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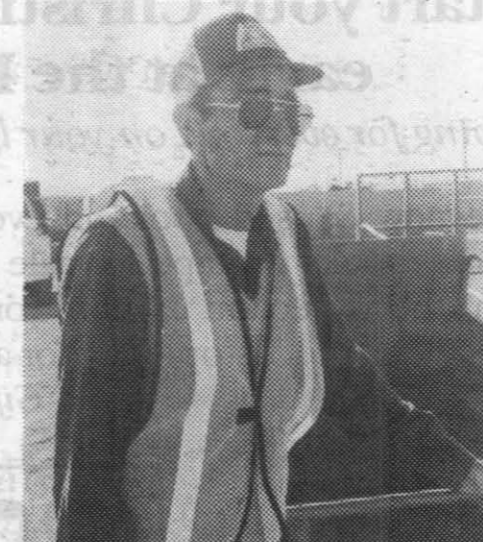


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## New changes and deadlines to CHAMPUS have arrived

Following is information provided by the Civilian Health and Medical Program of the Uniformed Services (CHAMPUS), Public Affairs Office regarding changes and deadlines for the program.

**Active-duty family inpatient cost-share increases --** The daily amount active-duty families pay for inpatient care in civilian hospitals has increased from \$8.35 to \$8.55.

This means a member of an active-duty service member's family who is admitted to a civilian hospital for care under CHAMPUS will pay the daily rate of \$8.55 times the number of days spent in the hospital -- or a flat fee of

\$25, whichever figure is greater.

The \$8.55 rate doesn't apply to any other categories of CHAMPUS-eligible patients. Their inpatient hospital care will cost either 25 percent of the billed charges or a fixed daily rate, whichever is less.

**Don't miss CHAMPUS claims deadline --** There are only a few weeks until Christmas. And hard on the heels of Christmas comes . . . the CHAMPUS claims filing deadline.

That's right -- your CHAMPUS claims for civilian health care received (or provided) in 1989 must be in the hands of your state's CHAMPUS claims processor by

Dec. 31, 1990.

Don't forget: file your claim with the processor who serves the state in which you received (or provided) care. For example, if you received care in Pennsylvania and now live in California, you must send the claim to the CHAMPUS contractor responsible for Pennsylvania claims.

If you aren't sure where to send your claim, contact the health benefits advisor at the Branch Medical Clinic, NWC ext. 2911.

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## Optics expertise valued by Center

(Continued from Page 7)

experienced readers. Dr. Bennett is the first author and Dr. Mattson the co-author. The book was released a year ago and has already sold over 700 copies.

"I think the whole field is exciting and I've enjoyed working in this subject area for the past 30 years," said the scientist. Dr. Bennett has spent her entire career at NWC in the Physics Division with two exceptions: one the stay in Sweden and from December 1985 to August 1987 she went on sabbatical at the Center for Applied Optics at the University of Alabama in Huntsville. She received one of the National Science Foundation's Professorships for Women in Science. "I was able to bring back updates in research and knowledge of new equipment the

Center needed based on findings in Huntsville," said Bennett.

The physicist was born in Kensington, Maryland and attended Mount Holyoke College, where she majored in physics and chemistry and

*This freedom is vital in order to make scientific breakthroughs needed in the future."*

minored in mathematics. She received her bachelors degree *summa cum laude* in 1951. She completed her graduate studies at Pennsylvania State University, receiving a masters degree in 1953 and a doctorate degree in

1955. Her research was in the area of high-resolution infrared spectroscopy.

Dr. Bennett is the author or co-author of more than 100 articles published in scientific journals, holds three patents, and has presented numerous papers at scientific meetings. She has given lectures at optics institutions in the United States, Canada, throughout Europe, Japan, Taiwan and Australia. She is a Fellow of the Optical Society of America and served as its President in 1986. She received the NWC L.T.E. Thompson award in June 1988, became an NWC Senior Fellow in July 1989, and is listed in both *Who's Who in America* and *American Men and Women in Science*.

Dr. Bennett recently received an invitation from the American Institute of Physics to lecture at different universities promoting interest in the students to pursue science as a career. "As a scientist and particularly as a member of the Optical Society of America, I always try to encourage young people to go into optics, particularly women."

Dr. Bennett has thoroughly enjoyed her work with the Center and finds those she works with very capable individuals. "Working here in the Research Department, the atmosphere is such that we can do collaborative research and study basic problems underlying many applications. The laboratory is structured so we have freedom to conduct future research along with applied work . . . This freedom is vital in order to make scientific breakthroughs needed in the future."



Dr. Jean M. Bennett



**OFFICIALLY OPEN --** Navy Exchange Officer Ens. Michael Corsey takes a giant scissor, in hand to cut the ceremonial ribbon for VX-5's grand opening of the Bat's Mess. Joining in the fun is VX-5 CO, Capt. Raymond A. Kellett (right), Public Works, Jim Byrd, and VX-5's AVCM Taras Datz. The newly renovated mess provides Vampire personnel with limited food and beverage service. Photo by PH3 Rob Foster

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## Time to meet with your supervisor for review

**It's time to meet with your boss**

Have you had your performance monitoring session with your supervisor yet? If not, go talk to your supervisor now about scheduling one. You have the right to do this.

The performance planning and evaluation process the Center uses was created by the Center, not imposed upon us. One of the stated objectives of the process was to increase meaningful communication between employees and supervisors about ongoing work. The task team of employees which designed the performance system built mechanisms into the system to assure that this communication took place. The task team decided to require monitoring sessions be held regularly during the year. Two sessions are now required. One session should occur in December of each year and one in April.

The purpose of the monitoring session is simple. It is to set aside time for the employee and the supervisor to talk about things the employee is doing on the job. It is meant to be a time for the employee to inform the supervisor how things are going and to receive feedback from the supervisor about the employee's work.

You, as an employee, can use this time to let your boss know what is going well, of where the problems are (if there are any), of areas where help might be needed, of ideas you might have for changing your work, of new developments, of tasks completed, and so forth. This time was established to provide you an opportunity to talk to your boss about your job, allowing a better understanding of what you are doing, what your needs are, and how you feel about your accomplishments on the job. This monitoring time was also meant to help facilitate you in getting to know what your boss expects from you so you can continue to satisfy your boss.

You, as a supervisor, can use this as quality time to invest with one of your most important assets - your employee. This monitoring session is a good time to sit down with your employee to talk about the work that you have assigned to her or him. You can use this time to learn how the employee feels she or he is doing, to discuss what you see as important things the employee needs to do, to discuss the work process including outcomes from the employee's work effort and to provide feedback you may have for the employee from your own observations or from those of the employee's customers.

Both the employee and the supervisor share in the responsibility for communicating with one another. Study after study indicates that employees appreciate and want feedback from their supervisors about the work they do. Employees are sometimes reluctant to initiate discussions with their supervisors so supervisors should be conscientious about scheduling these sessions and seeing that they happen.

By Dan Burnett,  
 Employee Relations Specialist, Code 221

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# Last delivery of QF-86F full scale aircraft target arrives tomorrow

(Continued from Page 1)

the work of the Remotely Piloted Vehicle Technology Branch, this allows the target pilot to sit in a cockpit at the Range Control Center and have full control of the aircraft. This system uses a video camera and the normal gauges found in the aircraft to give the pilot all the information needed to fly the target.

The last 97 IRAM and conversions have been accomplished by ManTech and its predecessor at the Inyokern Airport, Northrop Industries. All the target aircraft were rebuilt to the point where they were approved for manned flight. In fact, all initial testing of the newly configured FSATs is done with a pilot on board.

While the Air Force long ago dropped the F-86 from its active inventory, thousands of these highly maneuverable, sturdy aircraft were delivered to friendly nations through the Military

**...thousands of these highly maneuverable, sturdy aircraft were delivered to friendly nations...**

Assistance Program. Despite the number manufactured, only a few F-86F Block 40 aircraft were found in good enough condition to make FSAT conversion cost effective.

Aircraft were obtained from Japan, Taiwan, Spain and Korea. The Navy has searched the globe for more of these remarkable planes, but was unable to find aircraft in good enough condition. NWC representatives checked out leads in South America, Pakistan, South Korea, Thailand and elsewhere. The F-86s found were too close to the end of their useful life and required too much repair work to make the effort feasible.

Commenting on the durability of the QF-86F, Haynes said, "we've had it limp home with big holes in it or major parts of control surfaces missing. We just patch it up and it's ready to go fight again."

The average QF-86F has 15 no onboard live operator (NOLO) flights hours, which means several presentations as targets. Robison says this shows the 17 presentations were not just a one aircraft fluke. The Sabres are highly maneuverable and can absorb a lot of punishment without falling out of the sky. Each FSAT is allowed a maximum of 300 flight hours.

The F-86F moved into the target business because there weren't enough F-86Hs to provide a good supply and the Air Force decided not to phase out all of its T-38 Talon trainers.

"We had done the design and conversion on 26 F-86Hs in Hangar Two before the supply of H-models ended," said Jay Bornfleth. The

Navy's need for a highly maneuverable, but low cost, simple aircraft to simulate threat aircraft as full-scale targets and the unavailability of the T-38 led to the decision to go after the "F" model

**The Sabres... can absorb a lot of punishment without falling from the sky.**

F-86s. "These aircraft were a little smaller than the "H" model, but met the other requirements, and there were a lot of them still available around the world."

Bornfleth, now head of the Engineering Support Division of the Aircraft Department, was with the program management office in Code 3925 at the time. He recalls the Naval Air Systems Command approved the reprogramming of the QT-38 funds to start the QF-86F conversion. "This came after the Japanese Self Defense Forces phased out the F-86Fs they had acquired from the U.S. under the Military Assistance Program, making them available to the Navy," noted Bornfleth.

He credited Vance Hanson, who headed the QF-86H Program Office in the early 1970s and Curt Bryan, then head of the RPV Project Office, for really getting the FSAT business underway at China Lake. Program management and engineering was transferred to the Aircraft Department in the early 1980s.

Robison is proud of the contributions made by QF-86Fs and the role of China Lake. "It's been highly successful and all the program management work has been done here." This includes total program management, cognizant field activity authority, engineering cognizant authority, quality assurance representative (contract), contract administration, logistics and engineering support, not to mention design and development of the control package.

The F-86F conversion to FSAT status was a program of several firsts. Bornfleth said it was the first full scale target cheaper than the primary subscale target it was replacing. "The QF-86F cost less to convert, including all the engineering, logistics and support, than the BQM-34 subscale target then in use," he added.

**Despite the number manufactured, only a few F-86F Block 40 aircraft were found in good enough condition to make FSAT conversion cost effective.**

This was the first Navy FSAT to use the internal target control system; and the first NWC procurements made under a long-term multi-year

firm fixed price production contract. The initial five-year contract called for 13 QF-86Fs to be converted each year for a total of 65.

The J-47-27 power plant (jet engine) is obsolete, same as the airframe; NWC, to meet program requirements created a power plant overhaul and repair facility. Kay & Associates under existing contract manned the facility with highly specialized mechanics. Aircraft Department craftsmen were required to have additional training to higher levels in their skills.

Talking about why FSATs are better than unmanned sub-scale drones, Bornfleth said, "the shooters (fleet pilots) always want the target to be as close as possible to real threat aircraft in terms of infrared and radar signatures and today, optically close to real threats." The full scale target is much better at this. This also holds true for R&D and T&E work. The closer the target matches real threat aircraft, the more realistic the

evaluation can be.

In addition, FSAT assets can be used to air launch experimental weapons without risking a pilot and can tow other targets and test electronic counter measure systems.

This historic fighter is also used by the graduating class at the Navy Test Pilot School. For the past several years, one student comes to China Lake where he or she must complete four flights in an aircraft type the student has never flown before. Since the QF-86F is out of the regular inventory, it's a new one to most students. After the four flights, the would-be test pilot has to write a complete flight report on the aircraft.

Dick Wright is one of six pilots, two civilian and four Navy, who fly the QF-86F. Wright and fellow civilian pilot Harlan Reep, are the only remote control pilots at China Lake. They agree the QF-86F is an excellent, if old, target aircraft.

Wright credits the contract maintenance work-

ers for a lot of the dependability the Sabre has. "Some of these guys were here working on the '86 when I got here 10 years ago. That much

**...FSAT assets can be used to air launch experimental weapons without risking a pilot...**

time working on the same aircraft type makes a difference," he added.

"It's been very reliable," said Wright of the QF-86F. "If we have one scheduled for a target presentation, we don't worry about it breaking and not being ready to fly. The aircraft has excellent flying qualities."

Pilots seems to like the Sabre, It is small, handles well, has good visibility from the cockpit. The one thing pilots would wish for, however, is more thrust from the engine. "It's fun flying a historic vehicle, almost like driving a vintage car," commented Wright.

Pilots also discussed the difference between the QF-86F and the QF-4. The '86 is a more forgiving aircraft, except when it comes to landing. Here the plane requires a delicate touch, since the Air Force fighter was not designed and built to handle the high-sink rate landings onboard aircraft carriers.

While Wright and the other pilots remotely fly a QF-86F on at least a weekly basis, most of the flying is done with a safety pilot. "We only have 18-20 NOLO presentations a year," commented Wright.

Haynes noted Reep, who heads the Target Operations Branch, and Wright probably hold the honor of piloting the most planes shot out of the sky. Of course, they were sitting on the ground, remotely flying the planes when they got shot down.

Pilots, program managers, branch heads, contractors and just plain aviation buffs agree on one point, the QF-86F has been a remarkable program. Safe, cost effective, results oriented and long-lived. Everyone associated with the program is sorry to the era end, sorry to see the end of the line for a true pilot's aircraft.

Since the early 1970s, NWC has had the FSAT program responsibility. During the past 20 years F-86Hs, F-86Fs, QT-38s and even QF-9Js have been used.

With the end of the F-86 era near, the QF-4 Phantom is the only FSAT now in production for the Navy. More expensive to convert, maintain and operate and not as rugged as the Sabre, the Phantom, nonetheless, is closer to the modern threat in many key areas. And, also important, there are more than enough Phantoms around to last the Navy until at least 2020.

craftsmen were required to have additional training to higher levels in their skills.

Talking about why FSATs are better than unmanned sub-scale drones, Bornfleth said, "the shooters (fleet pilots) always want the target to be as close as possible to real threat aircraft in terms of infrared and radar signatures and today, optically close to real threats." The full scale target is much better at this. This also holds true for R&D and T&E work. The closer the target matches real threat aircraft, the more realistic the evaluation can be.

In addition, FSAT assets can be used to air launch experimental weapons without risking a pilot and can tow other targets and test electronic counter measure systems.

This historic fighter is also used by the graduating class at the Navy Test Pilot School. For the past several years, one student comes to China Lake where he or she must complete four flights in an aircraft type the student has never flown before. Since the QF-86F is out of the regular inventory, it's a new one to most students. After the four flights, the would-be test pilot has to

**Pilots, program managers... agree on one point, the QF-86F has been a remarkable program.**

write a complete flight report on the aircraft.

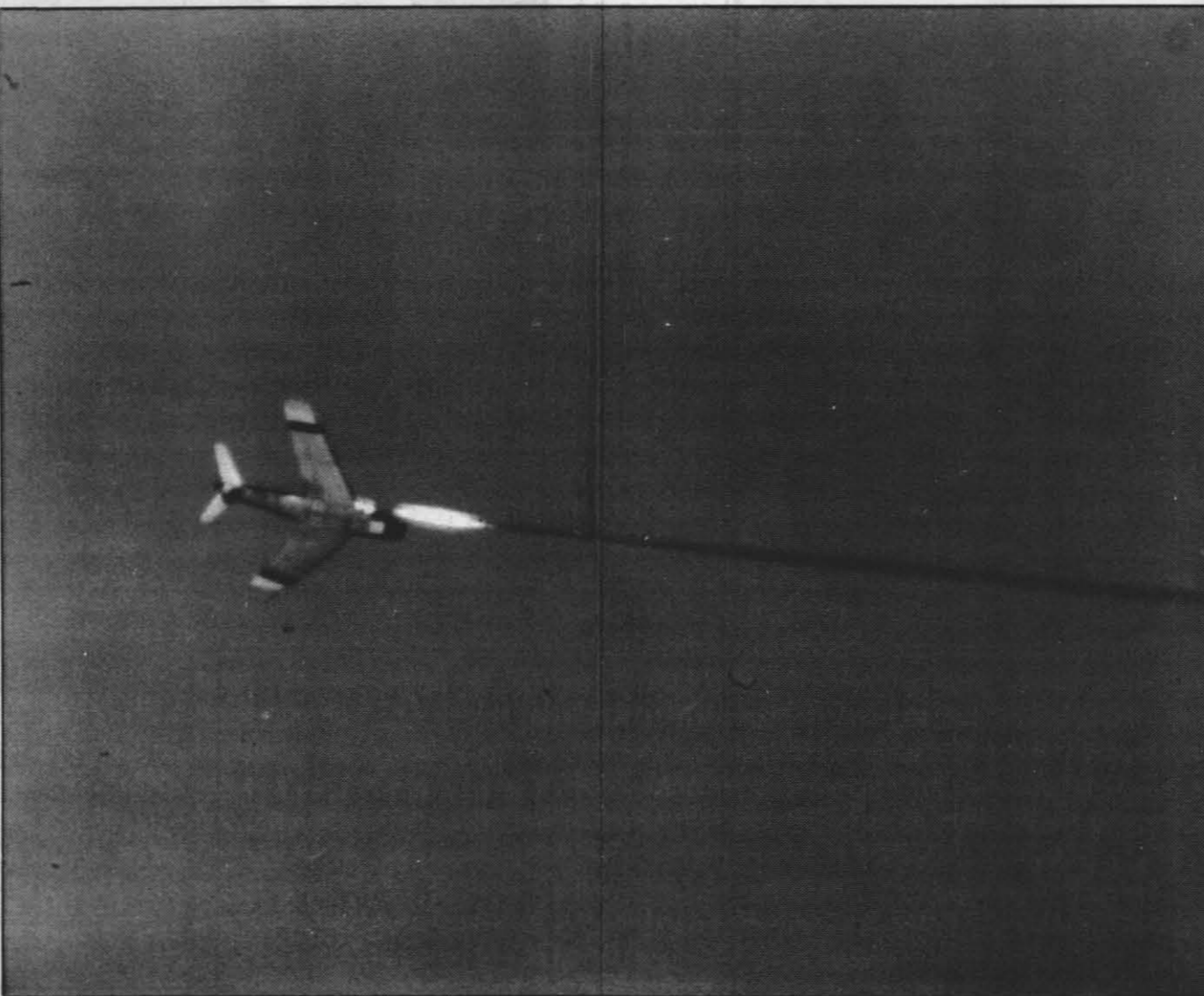
Dick Wright is one of six pilots, two civilian and four Navy, who fly the QF-86F. Wright and fellow civilian pilot Harlan Reep, are the only remote control pilots at China Lake. They agree the QF-86F is an excellent, if old, target aircraft.

Wright credits the contract maintenance workers for a lot of the dependability the Sabre has. "Some of these guys were here working on the '86 when I got here 10 years ago. That much time working on the same aircraft type makes a difference," he added.

"It's been very reliable," said Wright of the QF-86F. "If we have one scheduled for a target presentation, we don't worry about it breaking and not being ready to fly. The aircraft has excellent flying qualities."

Pilots seems to like the Sabre, It is small, handles well, has good visibility from the cockpit. The one thing pilots would wish for, however, is more thrust from the engine. "It's fun flying a historic vehicle, almost like driving a vintage car," commented Wright.

Pilots also discussed the difference between the QF-86F and the QF-4. The '86 is a more forgiving aircraft, except when it comes to landing. Here the plane requires a delicate touch, since the Air Force fighter was not designed and built to handle the high-sink rate landings onboard aircraft carriers.



## QF-4 Phantom only FSAT in production

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