


Columbia Artists
Proudly Presents



THE ROGER WAGNER CHORALE

"If there are better choruses, they must be in heaven."
—Los Angeles Herald-Examiner

"The Roger Wagner Chorale is the best in the world."
—El Nacional, Caracas, Venezuela

Viennese nights remembered

Local concert-goers will spend a "Night in Vienna" with the Roger Wagner Chorale beginning at 7:30 p.m. Thursday, April 23 at the Center theater.

This final concert of the Indian Wells Valley Concert Association season will include selections from Schubert, Brahms, Lehar, Tchaikovsky, Gounod, Grieg, Bizet, Mendelssohn and Strauss. Also included will be a tribute to Romberg.

The Chorale began in 1946 as a 12-member madrigal group and has since received both national and international acclaim.

Founder-Director Roger Wagner is described as an expert at composing, arranging and symphonic conducting as well as at choral conducting. He is regarded as an authority on the religious music of the Medieval and Renaissance periods and has been knighted twice for his contributions to sacred music. Although he has recently been ill, Wagner is expected to conduct Thursday's concert.

Season ticket holders who do not plan to attend the concert are asked to release their seats for resale by calling 375-5600. Tax deduction receipts are available. Those needing special-event passes to NWC, which will be available at the main gate, should allow extra time for processing.

A student concert will be presented by the Chorale on Friday, April 24 at 10 a.m. Costs are paid by the IWVCA Student Education Fund. The student concert will be held at the Center theater, where some seating will be available to the general public at no charge.

Electronic orchestra

Electronic synthesizers will be used for the first time by the Desert Community Orchestra at the May 3 concert.

Conductor Ron Rurdick chose this solution to meet unusual percussion demands in Zoltan Kodaly's "Hary Janos Suite." For example, some parts of this piece were scored for an instrument called the cembalo, not available in the Indian Wells Valley. It has been described as sounding like a cross between a banjo and a piano. The range of sounds produced by a synthesizer will allow the Indian Wells Valley ensemble to approximate the composer's intent.

Also on the May 3 program, the final one of the current season, is the "Serenade for Winds" by Antonin Dvorak.

The concert begins at 3 p.m. at the NWC theater. Tickets will be available at the door starting at 2:30 p.m. Adult admission is \$6 per person with active-duty military personnel, senior citizens and students eligible for \$4 admission.

Horse show

For the past week, the Great Kern County Fair and the Junior League of Bakersfield have been hosting the National Horse Show Classic and Afternoon on the Green at the Kern County Fairgrounds. The festivities will continue through April 19th and will include English and western horse shows, barbecues and a parade.

Over 700 horses will be competing and parking and admission, except to the barbecues, are free.

Membership card required at gym

All gymnasium patrons are reminded that their Athletic Association Membership Card must be shown at the gym attendant in order to use the facility. Personnel may also use the gymnasium facility by paying a daily fee.

Further information about membership and use of the gym can be obtained by telephoning the Sports Branch at NWC ext. 2334 or 2571.

Movies

FRI, SAT, SUN. APRIL 17, 18, 19
"AN AMERICAN TAIL"
(Animated, rated G, 81 min.)

WEDNESDAY APRIL 22
"STREETS OF GOLD"
Starring Klaus Maria Brandauer and Adrian Pasdar (Drama, rated R, 92 min.)

FRIDAY APRIL 24
"JUMPIN' JACK FLASH"
Starring Whoopi Goldberg and Stephen Collins (Comedy, rated R, 105 min.)

Starting Time: Evening 7 pm

IGI ALL AGES ADMITTED
General Audiences

IPGI ALL AGES ADMITTED
Parental Guidance Suggested

IRI RESTRICTED
Under 17 Requires Accompanying Parent or Adult Guardian

★ U.S. Government Printing Office
1987 — No. 40051

FROM _____ PLACE STAMP HERE _____

TO _____

Webb sworn in as the 66th Secretary of the Navy

James H. Webb Jr. assumed the reins of power as this nation's 66th Secretary of the Navy on Friday, April 10 following his unanimous confirmation to the position by the U.S. Senate. He said he was "privileged and honored to lead the world's finest sailors and Marines."

The new Secretary of the Navy (SECNAV) succeeds John Lehman in the Pentagon post. Lehman stepped down after serving six years to spend more time with his family.

Secretary Webb, a 41-year-old former Marine, is a 1968 graduate of the Naval Academy who also completed Marine Officers Basic School at the top of his class of 243. He won the Navy Cross and Silver Star as a combat officer in Vietnam. After receiving a law degree from Georgetown University in 1975 he alternated between positions in government and a career as an author.

Prior to being nominated as SECNAV, he

was Assistant Secretary of Defense for Reserve Affairs. He has been assistant minority counsel and minority counsel on the staff of the House of Representatives Armed Forces Committee and is the author of several books including, "Fields of Fire," a well-known novel about the Vietnam conflict.

As he departed, Secretary Lehman said, "I go ashore with very mixed emotions. It is difficult to leave the best job in the world

... my regrets are tempered by the satisfaction of seeing today a Navy and Marine Corps more capable than at any time in our peacetime history ... I know it is all of you — the sailors, Marines and civilians who have really brought about this achievement. It has been the most exciting experience in my life to have had the privilege of working with you all these past six years." He departed with full honors, including a 19-gun salute at the Pentagon.



Naval Weapons Center, China Lake, California 93555 6001

Vol. XLII, No. 15 / April 17, 1987

Leadership in numerous tasks brings high honor

Barbara J. Thurman, former head of the Supply Support Division, was the honored recipient of the Navy Meritorious Civilian Service Award at a retirement luncheon last week.

The award, the highest the Naval Weapons Center commander may grant, is given in recognition of contributions resulting in high values or benefits to the Navy. Ms. Thurman is the fourth woman to receive the award at NWC.

As Capt. John Burt, Center Commander, presented Ms. Thurman with the award, he cited her association with and leadership of numerous innovative programs within the Supply Department over a 33-year period. He recognized her knowledge, dependability and responsiveness to the needs of the Center and noted she has received many awards over the years, "all of them well earned."

"This is beyond any expectations I might have had," said Ms. Thurman upon accepting the award. "I would like to thank you all. Most of all, I'd like to thank all of the people who have worked with me and have made me look good."

In his letter nominating her for the award, Capt. R.A. Dropp, Director of Supply, commended Ms. Thurman for her attention to detail, dedication to hard work and aptitude for supply functions.

Capt. Dropp lauded her leadership in implementing new management information systems as they were introduced at China Lake and other contributions toward efficiency of operations, which were undertaken in addition to her normal workload.

Capt. Dropp's letter went on to say, "Ms. Barbara J. Thurman has contributed significantly for 33 years to the mission of the Naval Weapons Center, making herself the sought-after senior in all areas of supply operations. Her mature and thoroughly professional administrative and managerial skills have reflected most favorably upon herself and the Center."

Throughout her career, she has represented the Center in dealings with the Department of the Navy and DoD. She has been the primary point of contact in the supply operations area for major claimant command inspections and was the leader in coordinated supply support efforts for joint military exercises such as Gallant Eagle.

Capt. Dropp also commented that, over and above all the awards and letters of commendation that Ms. Thurman has earned, "perhaps the greatest and most lasting award is the tribute people, both within Supply and throughout the Center, pay her when a question pertaining to supply operations arises and they invariably say, 'I don't know; let's ask Barbara.'"



SPECIAL AWARD — Barbara Thurman becomes only the fourth woman at the Naval Weapons Center to be honored with the Navy Meritorious Civilian Service Award. Capt. John Burt, NWC Commander, made the presentation at a retirement luncheon for Mrs. Thurman last week. — Photo by PHAN Bob Reynolds

Author, celebrity delivers keynote address to signal start of NWC's Secretary's Week

Rita Davenport, a best-selling author and television and radio star, will serve as keynote speaker for this year's celebration of Secretaries' Week at NWC.

Mrs. Davenport, who juggles the demands of a young family as well as her career in the media is called on often to speak to groups around the nation. She feels being able to achieve a lot is based on having self-esteem. This will be the topic of her talk Monday.

The week's activities will begin at 1 p.m.

Monday with an all hands secretaries' meeting at the Commissioned Officers' Mess. A video made at NWC about Center secretaries will be shown before Mrs. Davenport's talk.

On Tuesday, Jo Richey will present two talks on color analysis in Room 1000D of Michelson Laboratory, one from 9:30 to 11:30 a.m. and the other from 2:30 to 4:30 p.m.

Wednesday's activities center on health. Marilyn Ball will discuss "Heart at Work"

from 9:30 to 10 a.m. and from 2:30 to 3 p.m., followed by Carla McDonough talking on physical fitness from 10 to 11:30 a.m. and 3 to 4:30 p.m. The morning's talks will be in the Mojave Room of the Commissioned Officers' Mess and the afternoon program will be at Room 1000D, Michelson Laboratory.

Dr. John Fry will speak about stress management on Thursday from 8:30 to 11:30 a.m. and from 1:30 to 4:30 p.m. in Room 1000D, Michelson Laboratory.

The week will come to a fun finale with a brown bag networking lunch on the lawn of the Headquarters Building on Friday, starting at 11:30 a.m. Music will be provided by the blue grass band "Cross Currents" and drinks and dessert will be provided by the Corporate Secretaries Board, which is sponsoring the week's activities.

All supervisors are asked to allow their secretaries and clerical personnel to attend as many of the week's functions as possible.

Easter services

Easter Week services at the Naval Weapons Center All-Faith Chapel begin with Good Friday observances.

The Protestant services start at noon today (April 17) in the main chapel. Sunday at 9 a.m. a contemporary Easter Worship Service is planned in the east wing of the chapel. The regular Protestant Easter service will be held in the main chapel at 10:30 a.m.

Catholic Good Friday Services, "Celebration of the Lord's Passion," will be held at 5 p.m. today in the main chapel. Tomorrow (Saturday) the Easter Vigil will begin at 7 p.m. in the main chapel. The Easter Sunday Mass is scheduled for 9 a.m. in the main chapel.

All China Lakers are invited to attend the Easter service of their choice.

Flowers bloom

Wildflowers are blooming all over. Those who'd like to see them without having to take a hike or who are interested in learning how to identify the flowers are invited to the 10th annual Spring Wildflower Show at the Maturango Museum on Friday, Saturday and Sunday, April 24 to 26, from 10 a.m. to 5 p.m.

More than 100 identified and labeled species of spring blooms from desert trees, shrubs and wildflowers from the Indian Wells Valley and surrounding mountains will be on display.

Weather Report

	Max	Min	Peak Gust
Fri.	90	49	23 knots
Sat.	84	59	25 knots
Sun.	81	59	15 knots
Mon.	84	41	14 knots
Tues.	90	44	13 knots
Wed.	95	46	9 knots
Thurs.	97	49	8 knots

All measurements are made at Armitage Airfield.

Community Events

From 9:30 a.m. until 1:30 p.m. the Commissioned Officers' Mess will be holding its annual Easter brunch. For only \$4.95 per person, \$2.95 per person for children under 12, enjoy a wide variety of delectable food to help make this Easter just a bit more special. + + +

Great prizes will be available for some talented pool players. Tonight the Enlisted Mess will sponsor a pool tournament for EM members and DoD employees. There is a \$5 entry fee for this double elimination tourney scheduled to begin at 6 p.m. All entry fees become part of the prize fund and table fees will be paid by the EM. For more information, please call RM2 DeChamplain at NWC ext. 3043, AC2 DeChamplain at 446-3412 or June Thomes at 446-6929. + + +

For the first time the Enlisted Mess is having a dart tournament for members and DoD employees. There is a \$5 entry fee for this tourney scheduled for tomorrow, April 18, beginning at 6:30 p.m. For more information contact June at the EM, NWC ext. 2581. + + +

Disco with Disc Werks tonight and tomorrow night from 9 p.m. to 1 a.m. at the Enlisted Mess. Soundwaves will be playing at the EM this Wednesday, April 22 from 8 until 11:30 p.m. Entrance fees for either night are only \$1 per person for active duty military personnel and \$2 per person for all others. + + +

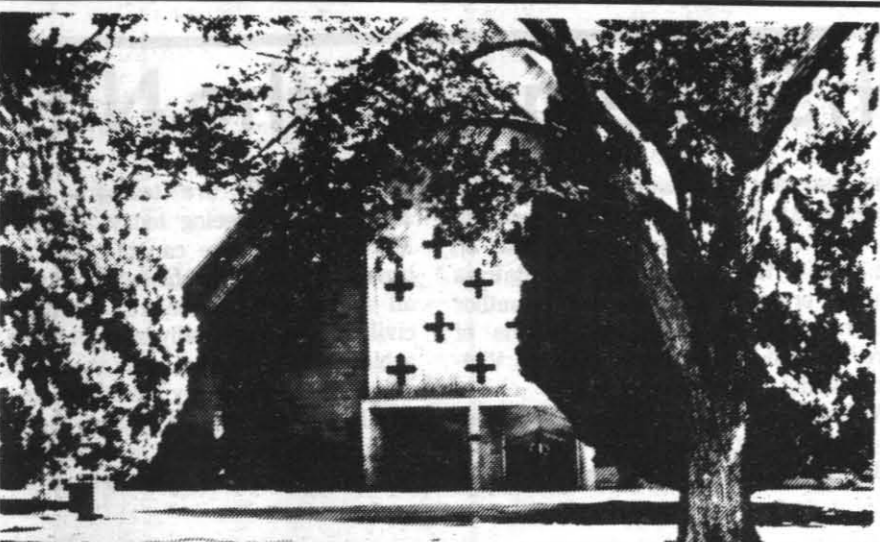
Visitors to the Eastern California Museum tomorrow will be able to munch some goodies while they are looking at the wide range of exhibits inside the museum as well as touring the "western village" behind it.

"Friends of the Museum" are holding a bake sale at the building itself tomorrow from 10 a.m. to 4 p.m. The museum is located in Independence, about two blocks west of Highway 395. + + +

Next Tuesday Steve Millang and Greg Seclsa of Youngheart Records will appear at the Center theater at 6:30 p.m. with a program entitled "Everybody Has Music Inside." Advance tickets, \$2 for children and \$3 for everyone 12 and over, can be purchased at the Information, Ticket and Tour Office, the Children's Centers and Ridgecrest Community Connection.

Tickets purchased at the door are \$2.50 for children and \$3.50 for adults. Following the program, an autograph party will be held at the Enlisted Mess. + + +

Steve Dodge of Mitchell, Webb and Associates will present a computer-aided design, computer aided manufacturing (CAD/CAM) demonstration to members and guests of the China Lake Post, Society of American Military Engineers (SAME) on Tuesday, May 5 at the NWC Commissioned Officers' Mess. The luncheon meeting will start at 11:30 a.m. Attendees have a choice of the soup and salad bar or a steak sandwich. For reservations or additional information call Sam Miller at NWC ext. 3411/28 no later than Thursday, April 30.



Divine Services

PROTESTANT
SUNDAY WORSHIP SERVICE 10:30 a.m.
SUNDAY SCHOOL (Annexes 1, 2, 4, and the East Wing) 9 a.m.
BIBLE STUDY (East Wing)

Wednesday 11:30 a.m. Sept. through June
 Thursday 7:00 p.m. Officer's Christian Fellowship
 Christian Military Fellowship
ROMAN CATHOLIC

SUNDAY MASS 9:00 a.m.
CONFESSIONS (Sunday) 8:15-8:45 a.m.
COMMUNION SERVICE (Monday) 11:35 a.m.
DAILY MASS (Tuesday through Friday) 11:35 a.m.
CONFESSIONS (Friday) 4:30-5:00 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday) Sept. to May 10:30 a.m.

JEWISH
WEEKLY SERVICES (Friday, East Wing) 7:30 p.m.
ADULT EDUCATION (Saturday, Annex 4) 9 a.m.
RELIGIOUS SCHOOL (Sunday, Annex 4) 1 p.m.

Chaplain J. Milton Collins, Capt. CHC USN
 Chaplain A. J. Smith, Capt. CHC USN
 Chaplain C. R. Beede, Lt. Col. CHC USNR
 Hearing impaired equipment available. Nursery available.
 Phone NWC ext. 3506, 2773

Purdue grad finds NWC challenges to her liking

Debra Dock, Deputy Insensitive Munitions Advanced Development (IMAD) Technical Manager for Ordnance (Code 33505), came to work at NWC following her graduation from Purdue University.

A chemistry major, she talked to a Center recruiter while still a student. The promise of a chance to become familiar with the Center and its mission during a year of Junior Professional (JP) tours and the wide variety of jobs to choose from following that year was an opportunity she couldn't pass up.

"Besides, all the other jobs I was offered required working in a laboratory. While I was still in college, I not only had chemistry labs, but worked for commercial laboratories. By the time I graduated, I was sensitized to chemicals!"

Upon her arrival here three years ago, Ms. Dock began her series of JP tours. "I'm all for the JP program," she says. "A newcomer can become familiar with the mission of the Center, make valuable contacts and get a feel for what kind of work he or she will enjoy the most."

During a tour in the Fuze and Sensors Department, Ms. Dock worked on the Phoenix fast cookoff program. As an over-time project, she collected munitions status data for an insensitive munitions (IM) data base.

Intrigued by the problems being addressed by the IM program, she accepted her current position.

"One of the things I enjoy the most about my job is the variety of tasks," says Ms.

Dock. "I learned how to solve problems in college but, while working on the IM program, I've learned a new way to think. Now when I look at the tasks at hand I can visualize solutions that take into account not just one problem but a whole array of tasks and their solutions and how they must be integrated."

Ms. Dock says this same variety is also the most challenging part of her job. There are tasks involving materials, others incorporating special design concepts and those dealing with all-up weapon systems. Understanding and coordinating them has helped to develop her conceptually-oriented thinking process.

"It's amazing to me. Now when I'm presented with a problem, I am able to make a quick estimation, almost like a computer."

In addition to fulfilling the responsibilities of her job, Ms. Dock enjoys being the co-leader of a Girl Scout troop. She also raises Pomeranians, knits, frames pictures, plays racquetball, attends musicals and goes camping.

In her spare time, she is taking a thermodynamics class to ready herself for the continuation of her education. She is an NWC fellowship candidate and hopes to attend San Diego State in the fall in pursuit of a master's in mechanical engineering.

"I like the technical aspects of my job," she says, "and an engineering degree will be very helpful when the time comes to integrate the design concepts of the IMAD Program into the appropriate weapons."



CHAMBER DESIGNER — Debra Dock puts finishing touches on the steel chamber she designed for fuze fast and slow cookoff testing.

NWC Rocketeer

Captain John Burr
 NWC Commander

Gerald R. Schefer
 Technical Director

Denny Kline
 Public Affairs Officer

Mickey Strong
 Editor

Steve Boster
 Associate Editor

PHAN Bob Reynolds
 PH2 Rick Moore
 Staff Photographers

Official Weekly Publication
 Naval Weapons Center / China Lake, California 93555-6001
 (619) 939-3354 or 939-3355

Deadlines: News Stories—Tuesday, 4:30 pm / Photographs—11:30 am

The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P-35 revised May 1979. Office at Nimitz and Lauritzen. Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in the Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003.

Spring cleaning:

Don't forget fire safety check-ups

Spring cleaning time is here. While you're giving your house a spring cleanup, why not give it a fire safety checkup as well?

Fire is more of a possibility than you would think. Every year, fires kill more Americans -- 6,000 -- than all other natural disasters combined, although fire is not a completely "natural" disaster. Fires injure 60,000 Americans a year badly enough to require medical attention and cost the country \$30 billion damage to property and persons.

Here's a checklist that may be helpful in preventing your household from being a statistic:

Fire extinguisher. If you don't have one, buy one. An all-class (Class A, B and C) extinguisher is good for all fires except those primarily involving metals. Purchase one with the underwriter's laboratory (UL) or factory mutual (FM) label. Once you buy one, put it in the kitchen near the door, not near the stove. You may want to buy more than one -- it's a good idea to have an extinguisher on every floor of the house. Mount it out of a toddler's reach, and check the pressure gauge regularly. Fire extinguishers are meant to fight small fires only (no bigger than a trash can). William D. Killen, the Navy's fire marshal program administrator, said you should call the fire department, no matter what the size of the fire.

Cords and plugs. Replace worn cords. Keep cords away from heavy traffic areas. Unplug small appliances (toaster, coffee maker, hair dryer) when not in use.

Smoke detectors. In a house, there should be a smoke detector on every floor. In apartments, place one within 10 feet of all bedrooms. Check the batteries occasionally to make sure they still work.

Light fixtures. Make sure bulb wattage is not too high for the fixture -- this can cause overheating. (Fixtures and lamps usually indicate the highest wattage they can tolerate.)

Ashtrays. If there are smokers in your house, put ashtrays in every room and

empty them often. Don't smoke in bed.

Doors. Make sure they can be unlocked from both sides. An extra safety precaution is to close doors at night -- this acts as a fire break.

After you've checked for those items, do a room-by-room check:

Kitchen. If you have children, don't store cookies and candies above the stove. Children could get burned trying to get at the treats. Clean the stove and oven frequently to prevent the fire hazard of grease buildup. Keep electrical cords away from the stove and sink. Keep combustible materials -- including cookbooks, pot holders and towels -- away from the stove. Killen said you should not attempt to douse a grease fire with flour -- it can cause an explosion. Put a pot lid over the fire. If your pot doesn't have a lid, cover it with another large, clean pan.

Living room, family room or study. Make sure televisions, computers, videocassette recorders and other appliances have adequate ventilation. Resist the urge to use such appliances as resting places for books, magazines and flower vases. Books and magazines cover ventilation, and vases could cause problems if they spill.

Basement. If your furnace or hot water heater is in a laundry room that doubles as a storage area, be careful not to store anything flammable too close to it -- not even clean clothes.

Outside. Don't fill the gas tank on a lawn mower while it's running, hot or in a closed area such as a garage. Gas can explode without warning, causing severe burns.

Don't leave barbecue fires unattended, and do your grilling at least 10 feet away from buildings. Don't douse charcoal with lighter fuel once the fire has started, and make sure the coals are completely extinguished once you've finished cooking. Many a fire has started from smoking embers.

Children appreciate fair's fun



Last week's Children's Fair, sponsored by NWC Children's Centers, was a smashing success.

While no exact count of attendance was taken, five hundred balloons were given away that day.

A few of the activities, all designed to stimulate children's imagination and learning, included an obstacle course, pet rocks, kites, art, sensory stimuli and a booth filled with educational toys for children of all ages.

KITE DECORATING -- Children were able to make their own decorations for kites being given away. With the ends cut out of these bags, and a tail made of paper streamers, these kites were a hit with all ages.



LEARNING CAN BE FUN -- Jennifer Moline found a mixture of corn starch and water an interesting experience in learning the differences between textures of different items available at the Children's Fair.



ANOTHER PICASSO -- Makena Dullen enjoyed creating her own masterpieces with construction paper, glue and a mixture of tempera and salt.



PET ROCK -- Making pet rocks was just one of the many activities designed to stimulate children's imagination.

Eight soccer teams register shutout victories

Fourth week of play for the NWC's Youth Soccer leagues found improved playing by most of the young players.

Owls 0, Eagles 0
Several unsuccessful shots on goal were made by Janna Bullock and David Rollingson with Michael Curtis, offense, and Timmy Foley, defense, playing well for the Owls. Carlos Tovar and Jonathan Ford did well on defense and Vince LeBlanc saved four goals for the Eagles.

Strikers 1, Sockers 0
Assisted by Daniel Caffrey, Renee Armstrong made the lone goal for the Strikers. Good goal attempts were made by Ryan Litty and Greg Greedy for the Sockers, but to no avail.

Coyotes 0, Apollos 0
Three goals were blocked for the Coyotes by Michael Lamond with help from Cherise Muhn, Billy Barham and Justin Martin. Mathew Girardot kept the Coyotes from scoring with good defense work by John Fath and Thomas Koelsh.

Rowdies 3, Roadrunners 1
Outstanding offensive performance by Chris Peters, who scored three goals, and fine defense by Kate George and Tiffany Austin won the game. Roadrunners received excellent defensive play from Shane Summers and Ember Shedlock in their first loss of the season.

Aztecs 5, Earthquakes 0
Bouncing in goals for the Aztecs were



Sports

Neil Covington and Mike Hobson with three goals scored by Joe Mechtenberg. Brian Lee, Jennifer Crouch and Michael Holmes played hard for the Earthquakes, but couldn't stop the Aztecs.

Whitecaps 4, Rogues 3
Outstanding goal keeping was demonstrated by Clark Wilson for the Whitecaps in this game. David Hill, Tim Castleberry, Clay Wilson and Jimmy Ball scored the goals for the winners. The Rogues had good passing by Nathan Nickell and Steve Mill with nice headers by Brent Seybold and Nathan Nickell. Goals by Rigel Frame, Richard Byers and Loren Letscher weren't enough in the loss.

Stings 1, Timbers 0
Jason Ford slammed in the only goal for the Stings. Fantastic defensive play by goalie Bill Yeager and great offensive play by Rebecca Moldenhauer and Michael Murray prevented the Timbers from scoring. Plays by Timbers' Robby Tomlinson and Aaron Knecht kept the

game moving. Adam Summer, as goalie, kept the Stings' score to just one.

Kicks 4, Diplomats 0
Excellent team play, with scoring by David Moreno; Brad Harper and Jerry Green, each assisted by Tommy Foisy; and Mike Ogren, assisted by Green, led the Kicks to victory. Tommy Fuller, David Renner and Ryan Flores played an outstanding game in the win. Rallying in the second half, the Diplomats' Tami Vaughn and Andy Scott prevented any more points by the Kicks until the end of the third quarter.

Sounders 5, Whitecaps 3
Matt Bullock, Steven Yoo and Jason Maxwell played an excellent game for the Sounders. Sounders' goals were booted in by Damon Kelling, Jamie Scholl, Doug Wilson, Sean Waldron and Beau Arnold. Brett Juskalian scored on a rebound from the goalie for the Whitecaps. Other goals were made by Steve Stict and Steve Mein in the loss.

Roughnecks 6, Tornados 0
Aaron Schwartz scored two goals while Jonathon Rae, Sean Williams, Don Hill, and Steve Lewis, assisted by Michelle Murphy scored the other goals for the victors. Joseph Battaglion, Chad Shedlock, Tim Wickers and Romin Morin were strong players for the Tornados.

Fury 3, Whitecaps 2
In this close game, goals were made by Ashley Fortune, Jimmy Ball and Ralph Jorgenson in the win. Tim Castleberry played well in goal and prevented the Whitecaps from a higher score. Exceptional play was provided by Dean Barnett and good plays were shown by Kelly Richison and Eric Haan in the loss. Whitecaps' goals were kicked in by Kelly Richison and Tim Seufert.

Lancers 3, Drillers 1
Starting slow, the Lancers gathered speed with Jonathan Mickelsen booting in one goal and Vasken Haroutunian kicking in two goals. Jennison Kenady, David Estis and Randy Martin were excellent players for the Lancers. The Drillers didn't turn in a score sheet.

Cobras 1, Express 0
A super block by Express' Jonell Hopeck turned back a sure goal and a tidal wave of aggression by the Cobras. Adam Brackey, Jason L. John R. and Chris M. were outstanding players in the loss. The Cobras didn't turn in a score sheet.



VOLLEYBALL SEASON — Mixed Company is one of the teams competing in NWC Intramural Volleyball League play this spring. — Photo by PH2 Rick Moore

GBU, Aeronetters in league lead

GBU and the Aeronetters lead their respective divisions of the Naval Weapons Center's Intramural Volleyball League with 8-1 and 7-1 records respectively.

Trailing the division-leading GBU squad by half a game is the Roofing Co. at 7-1 while the Ball Busters are now 6-2 on the

season. Mixed Co. and the Banzai Burns are both 5-2 in the "A" Division. In the "B" League the Rocketeers are 6-1, while the Red Wreckers are at 4-2 mid-way through the season. Volleyball action can be viewed in the NWC Gym Monday through Thursday.



The Skipper Sez...

QUESTION

Civilian employee -- Yes, we just got a Navy Memo and I know there is a retirement system change coming up; the Navy sent out a memo. The number is 12831, dated 9-043, whatever that means, and it is to all hands from Personnel. A lot of us are wondering about switching to this other retirement system. Now on the very first page they give an example of the savings plan. They said the government contributes a dollar from everyone up to three percent. Then they say the government contributes two dollars for every fifty cents up to the next two percent. Both of those are two to one ratio, and probably wrong. Isn't it possible for them to give us the straight scoop; especially for those who are thinking of switching?

ANSWER
Your question seems to cover two separate concerns. One is about the new Federal Employees Retirement System (FERS) and two, is about the Thrift Savings Plan (TSP). There are two retirement systems now. The Civil Service Retirement System (CSRS) and the FERS. CSRS employees will have an opportunity to transfer to FERS during the period of July 1 through December 31. Information on the new retirement system (FERS) has been provided as received. Because there are three agencies involved (Office of Personnel Management for basic annuity, Social Security Administration for the Social Security portion and the Thrift Savings Board for the Thrift Savings Plan portion) information has been coming in piece-meal and has been changed frequently. We are making every effort to keep employees informed. Video tapes on FERS and Social Security and computer software, to make individual comparison of benefits under the two systems, have been furnished to all department offices for use by their employees. (These are also available for check out in the Training Center.) FERS and Thrift Savings Plan booklets have been distributed to all employees and articles have been published in the Rocketeer and the Announcements. The TSP is one tier of the FERS. The other two tiers are Social Security and Basic Annuity. CSRS employees as well as FERS employees may participate in the TSP portion of the new retirement system. The government matches some of FERS employee contributions but there is no match of CSRS employee contributions. You have a keen eye and you have no doubt already noted in the TSP book that the matching contributions are different than what was in the memo. The information published in the all hands memo was the information furnished to us at that time. The information in the TSP book on matching contributions, Page 6, is correct.

We will continue to provide information to employees as it is received. If you desire additional information contact Virginia Spille, NWC ext. 2018.

QUESTION

Retired military -- My question concerns the discrimination of retired military. Years ago, CNO (I believe) came out with a directive that there would be no discrimination between retired military and military personnel, active duty that is. But since then, in the Rocketeer, Navy Announcements and the Roadrunner, all I see is Active Duty, civilian, DOD civilian, or last but not least, military retired with different prices for everything. What happened to the non-discrimination, or what happened to the total force? Thank you very much.

ANSWER
While we are not aware of the CNO directive that you mention, discrimination on this Center will not be tolerated; including discrimination directed toward retired military personnel. However, various groups of people do have different rights, responsibilities and privileges.

If you are referring to recreational privileges and associated fees and charges, the priorities of privilege are assigned by Naval Military Personnel Command directive. Active duty military and their dependents permanently attached aboard the Center have the highest priority. After all other groups of military and their dependents, retired military and their dependents have priority for recreation privileges. There are several groups of people on down the priority list ending with DOD civilian employees. Due to local demographics and the unique posture of NWC, letters of special authorization for DOD civilian dependents and area civilians provide for some space available privilege on a facility by facility basis.

All China Lancers, 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. John Burt. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal established chain of command channels.

New California traffic laws may impact many NWC employees

Effective January 1, 1987 some new California traffic laws went into effect that you may or may not be aware of. They are: AB 1019 requires that bicycle passengers age 4 and under and others weighing 40 lbs. or less must now wear a helmet meeting specified standards. This is in addition to recent legislation requiring approved safety seating that will protect the young passenger from moving parts. The first violation would be dismissed with proof of purchase of approved gear.

AB 3262 increases the penalties for a person found to be driving with a suspended or revoked license. In addition to existing penalties which can include time in county jail, a minimum fine of \$300 for the first of-

fense and \$500 for a second offense will be imposed.

AB 3962 provides that, under certain circumstances, the vehicle driven by a person convicted of a felony DUI offense may be sold by court order. The sale may be ordered if the defendant is the registered owner and has had one or more previous DUI convictions in the last 5 years. The proceeds of the sale (after payments due the legal owner or lien holder) will be turned over to the city or county in which the offense occurred. Stolen vehicles, vehicles owned by someone other than the defendant and a vehicle which is the only one available to the defendant's immediate family are exempt. Additionally the new law pro-



COMMENDATIONS AWARDED — Wayne Smith and Donna Charles, Naval Weapons Center employees, were honored by the U.S. Department of Labor's Occupational Health and Safety Administration. Capt. John Burt, NWC Commander, recently presented the pair with certificates of appreciation for Ms. Charles' work as secretary of the Mojave Desert's Federal Health and Safety Council and Smith for chairing the council during 1986. The letters with the certificates read, in part, "It is the efforts of persons like yourself which help to broaden and enrich the occupational safety and health backgrounds of all those participating in the activities of the council."

Certification for employee

Donette Cappello, a Supply Department contract specialist for the Contracts Division, has been designated a Certified Professional Contracts Manager by the National Contract Management Association.

The NCMA program recognizes individuals who have reached a high level of education, experience and training in the procurement and contracting profession and culminates in a six-hour certification examination.

IWV TV Boosters replace public radio relay device

Technicians of the Indian Wells Valley TV Booster, Inc. have replaced a relay antenna that brings National Public Radio broadcasts into the area. After an interruption of several weeks, Valley listeners can once again receive San Bernardino's non-commercial station, KVCR-FM, transmitting news, drama and a variety of folk, classical, rock and other music at 88.7 on

the FM-dial. TV Booster is a volunteer organization operating relay stations on Laurel and B Mountains to bring through-the-air transmission of television and FM radio broadcasts to the local area. Persons interested in obtaining more information are invited to contact President Ed Middlemiss at 377-5192.

Engineering readies sale of used books next month

Book lovers can avail themselves of a bargain and help a good cause at the same time by taking advantage of the Engineering Department's used-books sale. The sale will take place in Wing B of Michelson Laboratory from 7 to 7:30 a.m. and 11:30 a.m. to 12:30 p.m. daily May 4 through 8.

Not only will the books be on sale at reasonable prices, but everyone who buys a \$3 coupon will be entitled to pick \$4 worth of books — another real reduction. Coupons are available now and must be purchased prior to the sale. Everyone is invited to the sale. More information can be obtained from Marla at NWC ext. 3705.

Stress: No one is immune to its impact

Stress. Everyone is subject to it, even children. It can be caused by the weather, the job, our bodies, and our own attitudes. Even something as simple as not having enough bathrooms has been found to be a great source of stress in families.

Not all stress is bad; without some pressure, we would never accomplish anything or even want to get out of bed in the morning. But being under a lot of pressure—and not knowing how to handle it—can lead to a number of health problems and damage our personal and work relationships.

Stress is any change you must adjust to. Your attitude determines whether stress is good or bad. What might be perceived as an extremely stressful task by one person may be perceived as a contest or challenge by another.

When a person perceives a task as a challenge, he may experience "positive" stress—increased awareness of the environment and increased energy and efficiency.

If the task is perceived as an insurmountable hurdle rather than a fun challenge, the negative effects of stress appear. These include a sense of inefficiency, sometimes to the point of near paralysis, indecisiveness, irritability and inability to relax.

If the feeling of stress is chronic, it can result in lost sleep, which compounds inefficiency, creating a vicious cycle.

To determine whether you are reacting positively or negatively to such stressors as tight deadlines for work projects, and upcoming move or family problems, ask yourself whether your emotional reaction to the situation is getting in the way of doing the best job of solving the problem. If the answer is yes, you probably need to learn more about stress management.

Although it's probably impossible to avoid all bad stress, you can keep it from becoming overwhelming by following some of these tips from stress management experts:

Exercise. This makes use of some of the adrenalin built up in the "fight or flight" reaction to stress. Since anger is sometimes part of the stress problem, you may want to try a technique recommended by an executive friend: Play racquetball or tennis and pretend the ball is an enemy or problem you want to smash. Beats doing that to a real person!

Talk about the stressful situation with a friend or loved one.

Remind yourself that Superman had the help of trick photography. Don't expect yourself to be all things to all people. You can't do it all.

Hacker proof the computer

"Computer Security Handbook", by Rolf T. Moulton is now available in the Center Library.

In this comprehensive handbook, Rolf Moulton shows the reader how to design, implement, and maintain economically justified security controls appropriate for the data and computer-related assets they wish to protect. In a clear, straightforward manner, he provides practical answers to such questions as: "How do I control what my computer and data are being used for? How do I prevent errors and omissions? How do I keep 'hackers' out of my computer?"



When Capt. John I. Hardy became commander of the Naval Ordnance Test Station in 1964, he was returning to familiar ground: he had served as China Lake's Experimental Officer from 1954 through '57.

During that time he had been closely associated with the Sidewinder program, directing the extensive liaison between fleet operations officers and NOTS scientists and engineers to ensure the practicality of weapons for combat and support.

His own combat experience during World War II following his graduation from the Naval Academy included service in the Guadalcanal, Coral Sea, Midway, Solomons, Santa Cruz and Cape Esperance campaigns.

After he qualified as a Naval aviator in 1944, he attended graduate school, earning a master's degree in aeronautical engineering from the Massachusetts Institute of Technology.

He served in Washington in the Office of the CNO, Guided Missile Section before returning to combat during the Korean War.

Service in Hawaii and Alaska followed before his first tour at NOTS. When he left China Lake the first time, his service included another Washington assignment as well as sea duty with the USS Princeton, Taluga and Hornet; he then returned as NOTS Commander.

When Capt. Hardy retired from the Navy at China Lake in February 1967, he served on the faculty of Case Institute of Technology in Cleveland.

China Lake Police Reports

China Lake Police Department officers apprehended and cited a motorcycle rider for evading a peace officer and vehicle code violations following a high-speed chase on Randsburg Wash Road.

Officers investigated a report of a bicycle stolen from the front of the Enlisted Mess.

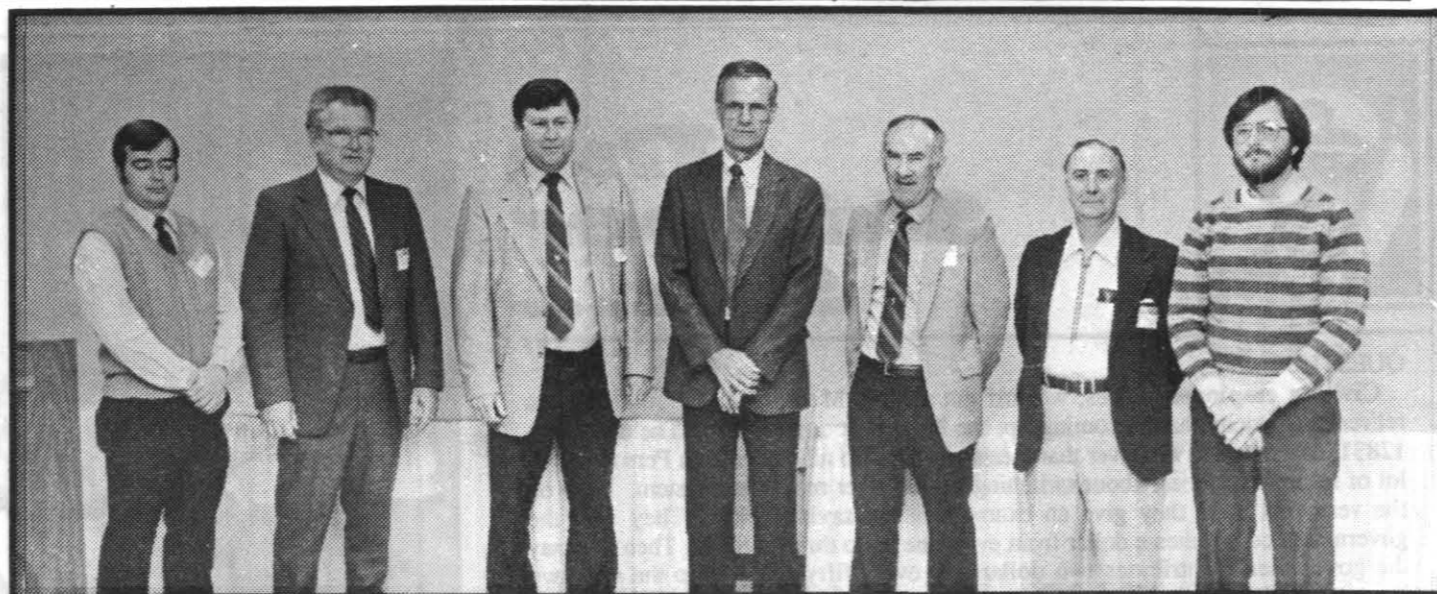
A motorist stopped for erratic driving was cited for driving while under the influence of alcohol by CLPD.

Two tires were damaged and there was possible damage to the underside of a government vehicle after the driver drove it over a barricade.

The brakes failed on a government vehicle, resulting in a collision with a traffic sign when the driver attempted a right turn.

Two cars, stopped for traffic, were damaged when a third vehicle slammed into the line of traffic.

A dispute over water in the housing area was resolved after a CLPD officer arrived and one party agreed to redirect water away from a neighbor's yard.



RANGE CONFERENCE — Members of the Data Reduction and Computer Group, under the Range Commander's Council, held a four-day meeting at the Heritage Inn recently. Dick Boyd (center), head of the Naval Weapons Center's Range Department, welcomed the group to the area. Pictured before the start of the meeting were: William Hummel, NATC, vice chairman; Joe Kirklín, RCA, reporter; Dr. Henry Buch,

AAFTC, Edwards AFB, chairman; Dick Boyd, Joe Dorgan, NWC Code 6252; John Reising, Hunter-Liggett, executive board; and Jerry Taylor, NWC Code 62521. This is one of several special interest groups under the Range Commander's Council. This group concentrates on issues involving data reduction and computers. The exchange ideas, processes and set standards where the ranges interact.

Radar system under development expected to be a sophisticated battlefield observer

One theory as old as war itself is that the side able to understand what the enemy is doing wins. To that end, nations have used spies and observers to find out "what the enemy is doing." Balloons were used in the Civil War, and today the U.S. military has a number of sophisticated systems to survey the battlefield. But that equipment has limitations. None can provide combat decision makers with the "big picture" in real time.

The Air Force Electronic Systems Division at Hanscom Air Force Base, Mass., is developing a new surveillance and target acquisition system that will let area commanders and foot soldiers see what the enemy is doing in the rear echelons and on the battlefield as it happens.

The Joint Surveillance Target Attack Radar System, or Joint STARS, is an Army/Air Force project that is expected to do for land warfare what the E-3A Airborne Warning and Control System -- AWACS -- does for air warfare.

"Joint STARS will bring an entirely new dimension to battlefield management," said Air Force Col. John J. Colligan, program director for the system. "It is a force multiplier that will make the use of conventional weapons more accurate, efficient and effective."

The heart of Joint STARS is an innovative, all-weather, side-looking radar that can spot tanks, trucks, helicopters, troop concentrations, missiles or artillery batteries from the front lines to dozens of miles into enemy territory. That information, when relayed to ground commanders, will be extremely useful in every aspect of a battle.

Artillery officers on the front lines, for example, will know where enemy artillery is and where it might be in an hour. Corps commanders will be able to plan and engage the enemy at the most opportune time with the required number of forces. Air support can be "reserved" for anticipated battlefields based on current battlefield information.

The battlefield foot soldier probably won't be able to see any direct benefits of Joint STARS, according to Army Col. G. Sidney Smith Jr., deputy program director and Army program manager for the system. However, he said, the foot soldier will benefit indirectly. Commanders on the scene, said Smith, "will have a better ability to send him to do the right thing at the right time." Joint STARS information will allow commanders to determine enemy movements and reinforce positions if needed, as Smith said, to "keep the troops out of harm's way."

The system, when fully developed, will be deployed on modified Boeing 707 aircraft. Each Joint STARS aircraft, which the Air Force has redesignated the E-8A, will carry a radar that feeds operator consoles capable of processing and distributing millions of information in microseconds. The consoles are located both on board the E-8A and in scattered ground stations. Army and Air Force intelligence and weapons control specialists will man the airborne consoles.

The consoles will store the last 60 minutes worth of information, which can be continually updated. "This is important because it will allow comparisons of enemy activity over time, providing a

valuable intelligence tool," said Colligan. The E-8A will also receive air-battle data from AWACS aircraft.

A prototype of the Army ground stations that will receive the targeting and intelligence information provided by Joint STARS is already operating. The modules are deployed on 5-ton trucks. Future modules may be small enough to be transported on the 8,600-pound Army High Mobility Multi-purpose Wheel Vehicle, or HUMVEE. Modules house high-speed computers, communications systems and two consoles. A 100-foot antenna is used to send and receive information.

"Each display, whether in the E-8A or in a ground station, not only will provide locations of ground targets such as tanks, trucks and mobile missiles, but will also provide information on the terrain and road information, key areas for possible engagements and details of enemy formations," said Colligan.

The E-8As will operate closer to the front lines than AWACS aircraft, but how the battle is being fought will determine their exact operating location.

The E-8As will not be armed. "There are lots of high-value assets on the battlefield," said Colligan. "Joint STARS is only one of them. Survivability, not immortality, is the goal. If the enemy is willing to expend the resources necessary to defeat it, he will." Smith said U.S. and allied defenses will make the cost of downing the Joint STARS aircraft prohibitive.

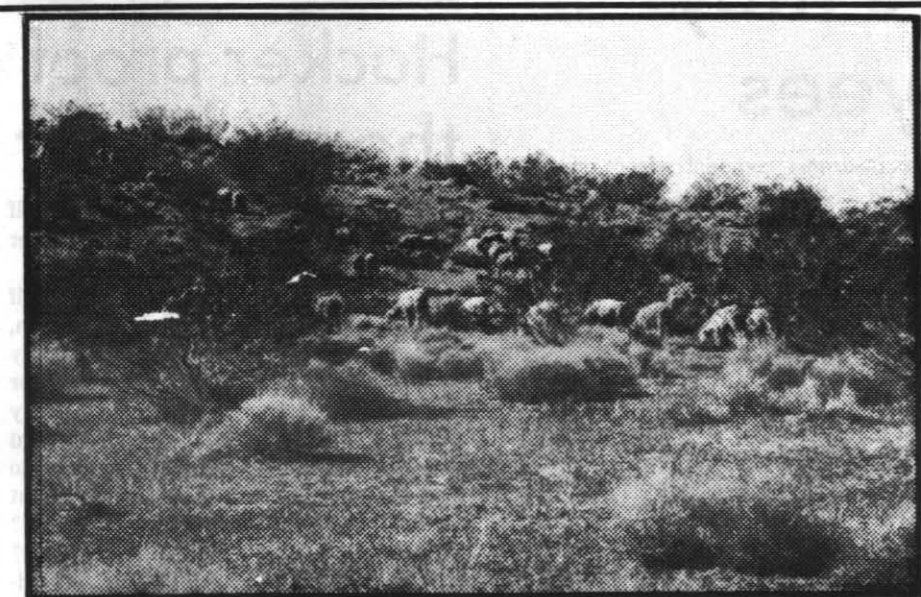
Two Boeing 707 aircraft are being modified to test Joint STARS technology. The first E-8As are expected to be delivered to the Air Force for joint testing by late 1988. Full deployment is planned to start in 1990.

CPA review class offered

California State College, Bakersfield (CSB) will offer the Chaykin CPA review course on color videotape for CPA candidates taking the November 1987 CPA exam. Evening classes begin the week of August 17 on the CSB campus in Bakersfield.

For a copy of the brochure describing the CPA review program, please call Cyndi at NWC ext. 2648.

SIGNS OF SPRING — Flocks of sheep are once more moving through the Indian Wells and adjoining valleys on their way to the high mountain meadows where they graze each summer. The woolly flocks are tended by their shepherds and dogs in a ritual that began more than 125 years ago in this part of the west. Before the snow falls, the sheep are trucked back to market or winter quarters near Bakersfield and Mojave. — Photo by Mickey Strang



EAWS WINGS — Nine months of tenacious work paid off for 11 China Lake sailors when they received their Enlisted Aviation Warfare Specialist wings. Those completing the course included: ATC Fred Sawyer, ADCS Homer Basque, AMSC Raymond Wetzel, ADC

Randal Tye, AD1 David Stiger, AS1 Gary Smith, AMS1 Alexander Cesare, HM2 Robert McClure, ASM2 Kird Triplett, AME2 Jonathan Lea, AMS2 John Pruitt and AD3 John Swierczewski.

EAWS wings to eleven China Lakers

Nine months of intensive effort by 11 sailors at the Naval Weapons Center brought them recognition in the form of the Enlisted Aviation Warfare Specialist (EAWS) wings on April 1.

Capt. K.E. Allen, NWC Commanding Officer of Enlisted Personnel, made the presentation to the hard-working sailors who completed the rigorous course. He commended those receiving their wings for reaching this goal and for recognizing the career value in this accomplishment.

AVCM John E. Bozony, EAWS Program Coordinator, said a new round of classes have started for enlisted personnel who want to work toward their wings. Classes are held Tuesdays and Thursdays from 3 to 4:30 p.m. For additional information, call Master Chief Bozony at NWC ext. 5619.

VX-5's LCdr. Cerne nominated for Navy accolade

LCdr. Victor L. Cerne of Air Test and Evaluation Squadron Five (VX-5) was nominated by the Commander, Pacific Fleet, for the Naval Aviation Fleet Support and Special Mission Award.

An operational test director for VX-5's Electronic Warfare Branch, LCdr. Cerne directed a recent evaluation of the HARM weapon system integration of the EA-6B Prowler. The integration evolution took 18 months to complete.

When the ground and flight tests were completed, LCdr. Cerne became the first Naval aviator to fire ordnance from the

EA-6B Prowler aircraft.

The VX-5 officer headed the operational effort involving concurrent Navy technical, development and operational testing. Dur-

ing this period LCdr. Cerne was credited with exceptional managerial skills, leadership and technical expertise on the EA-6B and the HARM system.

In addition he authored a comprehensive operator's manual to support system deployments. The manual later proved invaluable in providing two carrier air wings with essential and critical capability prior to deployment.

At VX-5, LCdr. Cerne has made significant contributions in a complex weapon system integration effort designed to provide the fleet with HARM capabilities. Among his important contributions was the identification and characterization of major safety discrepancies in the operational and navigational flight programs.



Military News

LI2 Moes wins state rifle championship

Air Test and Evaluation Squadron Five's (VX-5) LI2 Timothy Moes captured two gold medals and a silver medal shooting in the California State Service Rifle Championships for the Naval Weapons Center Rifle Team early this month.

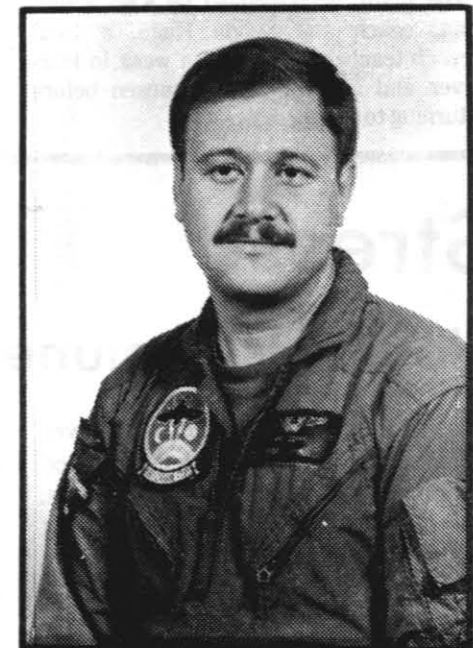
Petty Officer Moes shot a 336-2x to top the rapid fire aggregate title and a 684-6x to win the grand aggregate award in the

marksmanship class. This accomplishment will probably move him into the sharpshooter or expert classes for future competition.

In addition, LI2 Moes took second place in the 200-yard slow fire, off-hand and 200-yard rapid fire sitting events. He was third in the 300-yard rapid fire, prone competi-

tion and fourth in the 600-yard slow fire, prone event standings.

FCCS Nelson H. Foucher, NWC team captain, joined Petty Officer Moes and more than 110 other shooters for the match held at Coalinga. Senior Chief Foucher noted the 24 Navy shooters comprised the largest single group taking part in the competition.



LCdr. Cerne

Delta Dental Plan coverage scheduled

Beginning August 1, Delta Dental Plan of California will provide civilian dental care for active-duty military families.

Available under the one year CHAMPUS contract will be preventive and diagnostic services, which will be provided for a small monthly deduction from the service

member's basic pay — \$3.93 for one dependent or \$7.86 for two or more dependents.

Also offered on a cost-sharing basis are some restorative services. For these services, the member will be required to pay 20 percent and the plan will pay 80 percent.

Enrollment in the plan is automatic for

active-duty family members in the U.S. and other areas covered by the program. Those who do not wish to participate in the program must submit a disenrollment form.

For further information about the benefits of the program or disenrollment forms, contact your local Health Benefits Advisor.

Reservists' commissary privileges

Good news for reservists and National Guardsmen: The newly passed Defense Authorization Act entitles you to as many as 14 days of military commissary use each year.

Limited commissary use for members of the Reserve components is nothing new. For years, they've been entitled to shop in commissaries, but only during their two week annual training periods ... and that time could not be accrued.

But the new measure gives reservists and guardsmen an opportunity to accrue up to 14 days of commissary privileges and to use them at their convenience for up to one year.

The Department of Defense is establishing guidelines and began implementing the new ruling this year.

DoD officials aren't sure how much increase in commissary usage the new ruling will create.

During a one-year test in 1984, members of the Reserve components in New England, Los Angeles and San Antonio, Texas accrued commissary privileges based on military duty.

While most reservists were glad to receive the privileges, many did not use them — probably because they didn't live close enough to a commissary to use it conveniently. However, in areas where a large number of reservists live near military installations, more than one-fourth of the eligible reservists took advantage of the commissary benefit.

Those who used the commissaries were found to outspend their active duty counterparts considerably, probably to get the largest benefit from limited visits. The average Reserve member spent \$140 per commissary trip; the average active duty member spent \$40.

In a letter to then-Speaker of the House Thomas P. O'Neill, Jr., Deputy Secretary of Defense William H. Taft IV said the test demonstrated a relatively low impact on the commissary system. However, he pointed out, the impact could be higher in some areas, particularly as reservists and guardsmen become more aware of the commissary benefit.

The change has no effect on commissary access by reservists who serve 30 or more days of additional duty during which they are issued a green identification card. Reservists and guardsmen will continue to be eligible for commissary privileges during that time. However, those privileges will not accrue and will terminate at the completion of duty.

NEX news

Look for the super buys at the Navy Exchange's Buyer Special, which ends this Sunday.

Special April prices are still in effect for an oil and lube job or to have the car's air conditioning recharged at the Navy Exchange's garage.

Also, don't forget Easter is this Sunday and the Mini Mart has Easter baskets, stuffed Easter bunnies and Easter candy for children and adults alike.

April 26 is the date for the Big Super Sunday Sale. In addition, be sure to keep an eye out for the upcoming Fish-O-Rama Sale and the end of April Truck Load Sale.

NWC HOTLINE
Integrity, efficiency program
Call: NWC ext. 3636 (24 hrs.)
or call the Inspector General at:
(800)522-3451 (toll free)
288-6743 (Autovon)
(202)433-6743 (commercial)

Division. Duties include charging/discharging books, periodicals, technical reports; filing circulation cards; shelving books and periodicals; typing and sending overdue notices; reading library shelves; and answering the telephone at the circulation desk. **Job Relevant Criteria:** Ability to work tactfully and diplomatically with library patrons; ability to deal effectively with Center scientists, engineers and support professionals in performing circulation services. Promotion potential to GS-4.

No. 38-004, Research Chemist, DP-1320-1, Code 3851 - Incumbent will perform instrumental chemical analysis, primarily involving nuclear magnetic resonance and infrared spectrometry. **Job Relevant Criteria:** Knowledge of instrumental methods of chemical analysis, specifically, nuclear magnetic resonance and infrared organic and inorganic samples; knowledge of analytical, organic, inorganic, and physical chemistry; ability to perform analysis of energetic materials, propellants, polymers, and other chemicals using nuclear magnetic resonance and infrared spectrometry; ability to use

IBM NR80 nuclear magnetic resonance spectrometer, Nicolet 60SX and 170SX infrared spectrometers; ability to use computer-controlled spectrometers and Fourier transform methods of data processing and analysis. Promotion potential to DP-3.

No. 39-016, Electronics Technician, DT-856-1/2, Code 3924 - This position is located in the Electronics System Branch of the Weapons Development Division. The incumbent will support engineers in the layout design, fabrication, and testing of flight hardware. Emphasis will be on configuring electronic circuits and hardware concordantly. **Job Relevant Criteria:** Working knowledge of analog and digital circuits from system to component level; ability to use light machine shop machinery; ability to read detailed electronic schematics and mechanical drawings with geometric dimensioning tolerancing; ability to compose and prepare detailed documentation packages. Incumbent will be expected to work as a team member and as a team leader in some instances. Experience in these areas is desirable. Promotion potential DT-3.

Reassignment opportunities

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

No. 14-002, Interdisciplinary Electronics Engineer / Computer Scientist/Physicist/Program Manager, DP-855/1550/1310/340-3, Code 14 - This position is responsible for management of the Center's Computer Information Systems (C&IS) management and review process. This responsibility requires that the incumbent meet on a regular basis with the heads of the various departments to review their plans for acquisition of computing and information resources. The position also chairs the Center's Technical Advisory Committee (TAC). Additionally the incumbent will be responsible for scheduling and holding mini-design review committee meetings for high value C&IS projects and for certain software design and test facilities. This position requires an individual who is comfortable in high visibility situations, dealing with department level Center personnel, and personnel in the headquarters environment over highly sensitive computing and information systems issues. The incumbent will serve as a senior member of the Code 14 Department Staff. To apply for this position, send an updated copy of the SF-171 to Dennis Rowell, Code 1402, NWC ext. 3481.

No. 31-035, Interdisciplinary (General/Electronics / Mechanical / Aerospace Engineer / Physicist / Mathematician / Computer Scientist/Operations Research Analyst), DP-801, 855, 830, 861, 1310, 1520, 1550, 1515 - 1/2/3, Code 31942 (multiple vacancies) - These positions are located in the F/A-18 Project Branch, Systems Engineering Division, Aircraft Weapons Integration Department. The incumbent will be a member of the F/A-18 WSSA Mission Computer Software Development Team. The team will be responsible for AN/AYK-14 OFF development for F/A-18 aircraft. The

incumbent will design and implement OFF enhancements. To apply send an updated SF-171 to R. Johnson, Code 3194, NWC ext. 5206.

No. 31-036, Interdisciplinary (General/Electronics / Mechanical / Aerospace Engineer / Physicist / Mathematician / Computer Scientist/Operations Research Analyst), DP-801, 855, 830, 861, 1310, 1520, 1550, 1515 - 1/2/3, Code 31942 (two vacancies) - These positions are located in the F/A-18 Project Branch, System Engineering Division, Aircraft Weapons Integration Department. The incumbent will be a member of the F/A-18 WSSA Mission Computer Software Development Team. The team will be responsible for AN/AYK-14 OFF development for F/A-18 aircraft. The incumbent will design, document, implement, and operate AN/AYK-14 support software tools such as assemblers, compilers, emulators, and the AN/AYK-14 MTASS package. To apply for this position send an updated SF-171 to R. Johnson, Code 3194, NWC ext. 5206.

No. 32-249, Electronics Engineer, DP-855-3, Code 3207 - This position is located in the Laser Guided Training Round (LGTR) Program Office, Ordnance Systems Department. The program office was designated as the developing agency and is responsible for the full scale engineering development of the Laser Guided Training Round. The incumbent will be responsible for the electronic and mechanical integration of the Laser Guidance and Control Unit (GCU), including monitoring of fiscal and schedule performance, coordination of effort among various program participants at NWC and contractors. The effort involves hands on hardware work as well as technical manager, integration tests and design to take advantage of new concepts of

electromechanical principles to meet specified functional performance and packaging. Special knowledge requirements include military electromechanical environmental constraints, servomechanical and electromechanical manufacturing techniques. To apply, submit current SF-171 to John O'Malley, Code 3207, NWC ext. 7289.

No. 32-250, Interdisciplinary (General/Mechanical / Aerospace / Electronic Engineer), DP-801/830/861/850-2, Code 3207 - This position is located in the Laser Guided Training Round (LGTR) Program Office, Ordnance Systems Department. The program office was designated as the developing agency and is responsible for the full scale engineering development of the LGTR. The incumbent will be responsible for the engineering coordination of the LGTR program, interfacing with the engineering specialty support by NAVWPNCEN, Code 36 divisions. The general area of coordination is concerned with the application of electromechanical design principles and analysis to meet specified functional performance requirements of electromechanical systems and packaging. Examples of specialized knowledge requirements include military electromechanical manufacturing techniques, etc. Incumbent is also responsible for monitoring fiscal and schedule performance coordination of effort among various program participants at NWC and contractors. To apply, send current SF-171 to John O'Malley, NWC ext. 7289.

No. 32-251, Mechanical Engineer, DP-830-3, Code 3203 - This position is project engineer for the Skipper Product Improvement Program and is located in Code 3203, Skipper Program Office, Ordnance Systems Department. The incumbent will perform planning, scheduling, and coordination tasks and directing and monitoring of the technical effort on the improved airfoil propulsion group for Skipper. The incumbent will work closely with other center codes in the development of work tasks and monitoring progress and brief center management and sponsors on a regular basis on program progress. Skills/experience in systems analysis and engineering including aerodynamics and structural analysis are desirable. Experience or training in coordinating and the management of technical programs is also desirable. To apply, send current SF-171 to Moyle Braithwaite, NWC ext. 7565.

No. 35-003, Interdisciplinary (Electronics Engineer / Computer Scientist/Physicist/Mathematician)

DP-855/1550/1310/1520-2/3, Code 3516 - Incumbent will be involved in studies and analysis of naval aviation electronic warfare equipment and techniques. Experience with assembly language, a high order language, VAX/VMS, structured analysis and design techniques, and software engineering principles is desired. The incumbent must be able to communicate orally and in writing, work independently, be able to document his/her studies/analyses. Promotion potential to DP-3 is not guaranteed. To apply for this position, send an updated copy of the SF-171 to John J. Clark, Code 3516, NWC ext. 2513.

No. 39-010, Interdisciplinary, Mathematician / Computer Scientist/Physicist / Electronics Engineer, DP-1520/1550/1310/855-2/3, Code 3923 - This position is the software engineer for modification and testing of the Operational Flight Software Program (OFP) for the Tomahawk missile. This position is located in the Tomahawk Software Support Activity, Weapons Development Division, Weapons Department. The task is to conduct analysis, modifications, and dynamic testing of the OFP in the Tomahawk Simulation Facility. The facility utilizes a VAX 11/785 computer and FPS parallel processor. Position requires the direction of a small group of engineers and specialists in the modification and IV&V of assembly language OFP. Knowledge of FORTRAN, assembly language, software testing concepts and techniques, and use of software simulations in testing; ability to interface and communicate effectively with personnel at comparable levels in government and private industry required. Promotion potential to DP-3. Please submit current SF-171 to John Freeman, Code 392, NWC ext. 2922.

No. 62-018, Interdisciplinary Computer Scientist / Electronic Engineer, DP-1550-2/3, Code 6251A - This position is located in the RIPS Program Office, Computer Systems Branch, Data Systems Division, Range Department. The RIPS Program Office is responsible for hardware and software changes/enhancements to the Range Control Center Integrated Processing System (RIPS), a large scale real-time multi-computer system which supports weapons testing on NWC's Northern Range. The incumbent will assist with configuration management and hardware/software design and analysis to provide system enhancements to meet new requirements. Please send current SF-171 to George Adair, Code 6251A, NWC ext. 5879.



June 2 - 5

Secretarial opportunities

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

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

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

No. 31-034, Secretary (Typing), GS-318-5/6, Code 3103 - This position is located in the Aircraft Weapons Integration Department. Incumbent provides administrative and clerical support for the A-4M/AV-8B Project Office. PC skills are necessary; operation of Cygnat Communication System desired but not necessary; knowledge of NAVAIRSYSCOM and tactical embedded computer resources organization desired. Promotion potential to GS-6.

No. 32-247, Secretary (Typing), GS-318-5/6, Code 326 - Provides secretarial support to the Conventional

Weapons Division. Knowledge and working skill on Xerox 640 desirable. Promotional potential to GS-6.

No. 32-248, Secretary (Typing), GS-318-4/5, Code 3207 - Provides secretarial support to the Laser Guided Training Round Program Office. Promotional potential to GS-5.

No. 39-019, Secretary (Typing), GS-318-5/6, Code 39 - This position is located in the Special Projects Office of the Weapons Department. Ability to use the IBM Word Processor is desirable. Promotion potential to GS-6.

Recreation Department Non-Appropriated Funds

The following vacancies are not Civil Service positions. These positions are paid for from non-appropriated funds and are administered in accordance with policies established by the Department of Defense. Persons selected for these positions have no Civil Service status and are not eligible for appointment to positions in the Civil Service. Persons interested in applying for these positions should fill out a standard application form (SF-171). Applicants need not be presently employed in a Non-Appropriated Fund Instrumentality (NAFI) position, nor must they be employed at the Naval Weapons Center. The SF-171 should clearly be marked "NAFI" on the top and should have the appropriate Announcement Number listed in Block 1 on the form. Completed applications can be delivered to Room 100 or to Room 120 in the Personnel Building or can be mailed to: Naval Weapons Center, Personnel Department (Code 096), ATTN: NAFI Service Team, China Lake, CA 93555.

No. 22-8716, Recreation Aid (Lifeguard), PS-0189-03, \$4.58 per hour, Temporary Full-Time not to exceed 9/25/87, Code 2227 - Incumbent monitors activities and maintains order in and around the pool areas. Provides assistance to patrons and necessary first aid; maintains pool and all associated areas; performs routine cleaning; enforces rules and regulations; and completes hourly and daily logs. Must possess a current Advanced Lifesaving, CPR and First Aid certificates. Must have knowledge of safety rules and regulations and be skilled in safety and rescue pertaining to public swimming.

No. 22-8717, Recreation Aid (Lifeguard), PS-0189-4, \$4.89 per hour, Intermittent Scheduled, Code 2227 - Incumbent instructs adults and youth in swimming lessons. Monitors activities and maintains order in and around the pool areas. Provides first aid when

necessary; maintains pool and all associated areas; performs routine cleaning daily; enforces rules and regulations; and completes hourly and daily logs as required. Must possess current Water Safety Instructors, CPR, and First Aid certificates.

No. 22-8718, Recreation Aid (Head Lifeguard), PS-0189-5, \$5.19 per hour, Temporary Full-Time, not to exceed 9-25-87, Code 2227 - Incumbent supervises and instructs pool personnel in the performance of duties at the pool facilities. Monitors activities and maintains order in and around the pool areas; enforces rules and regulations; provides first aid as necessary; maintains pool and all associated areas; and completes daily and hourly logs. Must possess current Water Safety Instructor's, CPR, and First Aid certificates. Incumbent must possess a knowledge of safety rules and regulations and be skilled in emergency safety and rescue pertaining to public swimming areas.

Regulation changes announced

On March 4, 1986, the Office of Personnel Management published revisions to the Federal Personnel Manual, Chapter 351, Reduction-In-Force (RIF) regulations. In order to comply with these regulatory changes, the Center has revised its local instruction on RIF. The Center has no plans to hold a RIF; this information is provided solely as an update to employees on changes to a personnel program area. It is Center policy to use RIF procedures only after it has been determined that any required reductions cannot reasonably be accomplished through attrition and alternative avenues.

The major impact of the new regulations is that they give greater recognition to performance as a retention factor during RIF. FPM Chapter 351 covers all appropriated fund employees. At the Naval Weapons Center, coverage includes all federal wage system employees, police, fire and other general schedule employees and, with slight modification, all demonstration project employees.

The following key provisions of the revised regulations are provided as general information for all employees. Additional details and references on RIF regulations may be found in Chapter 351 of the Federal Personnel Manual located in the Personnel Department and in the Center Instruction 12351.2 dated March 17, 1987.

1. Bumping: now limited to bumping no more than three (3) grades lower than the grade held at the time of RIF; this provision was designed to limit excessive disruption caused by bumping through the entire grade structure. Employees holding a performance rating of "unsatisfactory" or who have a performance related adverse action proposed at the time of RIF have no bumping rights.

2. Retreat: now limited to retreating no more than three (3) grades lower than the grade held at the time of RIF with the exception of 30% disabled veterans who have a five (5) grade limitation. The new regulations also stipulate that employees with a rating of "minimally successful" at the time of the RIF may retreat only to positions held by other employees with the same or lower performance rating; additionally, employees who have a performance rating of "unsatisfactory" or a performance related adverse action proposed at the time of RIF have no retreat rights.

3. Performance credit - demonstration project: employees will be grouped for retention purposes based on their current performance rating. Incentive Pay Group I will be comprised of those rated "1" or "2" in the last performance rating period; Incentive Group II will be those with "3" ratings and Incentive Group III will be those rated "4" or "5."

4. Performance credit - non-demo project: additional service credit for purposes of RIF may now be gained through an arithmetic formula which adds credit for ratings of "fully successful" or above during the last three rating periods. Example: an employee with three ratings of "fully successful," "outstanding" and "fully successful" would have 15 years added to his or her service computation date for RIF purposes as a result of averaging the sum of the following credits: 12 years for the "FS" rating, 20 years for the "O" rating and 12 years for the "FS" rating.

5. Reassignment: reassignment actions taken during a RIF are no longer appealable as they were under the former regulations.



Nominations/applications for NSTEP post being accepted

Nominations/Applications for Assistant Director for Science and Technology, Scientist or Engineer, DP-4 and above -- NSTEP position.

The above position was established four years ago to provide the Chief of Naval Operations with timely advice on a broad range of issues. Reporting directly to Admiral Trost, the CEP provides an independent assessment of Navy capabilities and the Navy's role in support of national policy. The panel also advises the CNO on various alternative policies and postures for fulfilling the Navy's national security role in the face of evolving political, economic, and technical circumstances. Assignment to the CEP staff provides an individual a unique perspective of the Navy and an opportunity to observe and participate in top-level Navy decision making.

Assignment is for one year beginning approximately August 1. The duties of the incumbent are as follows:

- Assistant Director for Science and Technology:**
- Provides staff support to, and coordinates the efforts of CEP Task Forces.
 - Assists in selection of specific subjects for study or evaluation by the CEP.
 - Analyzes intelligence assessments to identify promising Navy technology initiatives.
 - Remains abreast of the latest developments and trends in science and technology (S&T).
 - Acts as principal liaison between the CEP staff and the S&T elements of SECNAV, OPNAV, CNR, SPAWAR, other services and civilian (academic and industrial) communities.
 - Coordinates with other staff offices in their research and development planning functions.
 - Researches and prepares position papers and oral presentations on science and technology issues for the CNO and other key Navy leaders.
 - Drafts correspondence on science and technology issues for CNO signature.

The incumbent must be knowledgeable regarding Navy research and development functions and must have a thorough understanding of the scientific and technological considerations implicit in Navy planning. The incumbent will be expected to keep abreast of new technologies and scientific developments and their implications for the Navy.

Former incumbents of the position were Dr. Frances E. Baker (NSRDC), Dr. Delbert C. Summey (NCSC), and Dr. Raymond A. Sutula (NSWC). Dr. Gregory F. Dreyer (NOSC), is the current incumbent.

Interested individuals should submit a completed SF-171 to Nedra, Code 09, by April 30.