



## Concert fundraiser features unusual music, dances, food

"Evening in Appalachia" is the theme of a dinner-and-entertainment special fundraising event planned by the Desert Community Orchestra on Friday, May 29 at the Enlisted Mess.

The evening begins with the sounds of a Bluegrass Band at 5:30 p.m., followed by a buffet dinner of barbecued chicken and black-eyed peas from 6 to 7:30.

A concert features the Clog Hoppers, a recently organized team of exhibition dancers who will show off their skills with such numbers as "Slew Foot," "The Battle of New Orleans" and "Corn Liquor."

Orchestral offerings include Aaron Copeland's "Hoedown" and "Saturday Night Waltz" as well as selections from Rodgers and Hammerstein's "Oklahoma" and music by Neil Diamond, Jacques Offenbach, Charles Gounod and Ipolitov Ivanov. NWC Fire Division Capt. Frank Holley will play his musical saw.

Cost of the evening, including dinner, is \$15 with season ticket holders receiving a 10 percent discount. Tables for 8 may be reserved for \$110. Tickets can be purchased from members of the orchestra and from Desert Community Orchestra board members.

## Capt. Burt, Navy League guest speaker

Capt. John Burt, NWC Commander, will be honored guest speaker for the installation of officers of the Indian Wells Valley Council of the Navy League on Saturday, May 30.

The installation will occur at a dinner meeting at the Commissioned Officers' Mess to which all Navy League members, prospective members and friends are invited.

A social hour at 6 p.m. will precede a three-meat buffet dinner at 7 p.m., to be followed by the program. Tickets are \$11, including beverage and tip.

Reservations are required and must be made by close of business Tuesday by telephoning Bea, 375-4272 or Judy, 446-2538 (between 8 a.m. and 1 p.m.).

## Auditions slated for summer play

Actors and would-be actors and actresses of all ages are invited to audition for roles in the summer production of "A Midsummers' Night's Dream" to be put on by the China Lake Players.

A total of 21 speaking parts will be filled and there will be some singing and dancing required.

Director Gene Guilmette will hold auditions Tuesday through Thursday of next week, May 26 through 28, at 6:30 p.m. at the China Lake Player's Playhouse, corner of Blandly Avenue and Lauritsen Road.

## Weather Report

	Max	Min	Peak Gust	Precip
Fri.	82	67	15 knots	trace
Sat.	85	66	15 knots	-
Sun.	91	73	14 knots	-
Mon.	87	58	19 knots	-
Tues.	78	54	20 knots	-
Wed.	76	48	27 knots	-
Thurs.	80	46	-	-

All measurements are made at Armitage Airfield.

## Community Events

"NOTS South," the annual summer get-together of old timers from the Naval Ordnance Test Station (now the Naval Weapons Center), will be held on Wednesday, June 10 in Escondido, Calif.

The gathering will take place at Kit Carson Park's El Arroyo picnic area starting at 2 p.m.

All retirees and others interested in renewing acquaintances with fellow workers and friends from the early days at NOTS are invited and urged to attend. Bring a picnic lunch and beverage and join the fun.

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Rides, exhibits, good food, entertainment, games and all the other fun activities that go along with a fair will continue tonight, tomorrow and Sunday at the Desert Empire Fairgrounds with the Spring Festival underway.

The fairgrounds open at noon tomorrow and Sunday. General admission is \$2 and seniors pay \$1. Children under the age of 12 are admitted free. Parking is also free.

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"Harvest of Fun" is the theme for the ninth Standard Flower Show to be held at the Exhibit Building of the Desert Empire Fairgrounds through this weekend. Sponsors of the show include the fair, Oasis Garden Club of Indian Wells Valley, Desert Planters of Ridgecrest and Design Study Group.

On display will be plants that grow in the upper Mojave Desert, cut flowers and specimens, container grown plants, fruits, vegetables, nuts, berries and foliage specimens.

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Mule Days will be on in force throughout this weekend at Bishop; more than 600 mules will participate in such events as packing contests, steer roping, jumping and English saddle classes. Included also are chuck wagon races, chariot races, barrel races and driving exhibitions.

The mules will, of course, be star performers in the world's largest non-motorized parade through Bishop streets tomorrow at 10 a.m., with most of the rest of the events taking place at the fair grounds beside Highway 395 in Bishop itself.

Mule Days was started 17 years ago by the Eastern High Sierra packers who wanted to get a fun start to their summer season. The various events have become so popular that crowds average in excess of 40,000 for the Memorial Day weekend annual event.

Tickets to the grandstand for the various shows are \$5 for adults and \$2 for children 12 and under. A separate grand stand ticket is required for the 5 p.m. Friday, 1:30 p.m. Saturday, 7:30 p.m. Saturday and 2 and 7:30 p.m. Sunday shows; an "all show pass" is \$32.

Tickets to the Saturday and Sunday evening barbecues are \$7 for adults and \$5 for children. Both Friday and Saturday evenings will finish with a dance at the Charles Brown Auditorium — a western dance, of course.

+++

Monday will be the last day for this year's Renaissance Pleasure Faire at tree-shaded Agoura. The Faire with its simulation of a 16th century English marketplace and hundreds of costumed artisans and villagers is open from 9 a.m. to 6 p.m. tomorrow, Sunday and Monday.

Parades, jugglers, dancers, singers, jousts and fortune tellers entertain visitors who also have the opportunity to buy handmade crafts and feast on hearty food and drink.

Tickets for adults are \$12.50 each, with children under 12 being charged \$6.50 for the full day.

The Pleasure Faire is held at the Paramount Ranch which is south of the Ventura Freeway in Agoura. Signs on the freeway indicate the correct exit. Extensive parking is available.

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Mexican Folk Art from the Nelson A. Rockefeller collection will be on display at the Kern County Museum, 3801 Chester Avenue in Bakersfield through Aug. 9.

Admission charge is \$3 for adults, \$2.50 for seniors over 60 and \$1.50 for children aged 3 through 12. Friends of the Kern County Museum are admitted free.

## United Way asks for volunteers

Volunteers who are not actively affiliated with any member agency are needed to serve with the board of directors of the United Way of Indian Wells Valley.

Anyone who can give a few hours of time a month or who wish further information is invited to telephone the United Way at 375-2143. If the call is made when the phone line is not manned, please leave name, purpose of call and a phone number.

### 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)

## Movies

FRIDAY, SATURDAY MAY 22, 23  
"SOMETHING WILD"

Starring  
Melanie Griffith and Jeff Daniels  
(Comedy, rated R, 144 min.)

SUNDAY MAY 24  
"THE CURSE OF THE PINK PANTHER"

Starring  
David Niven and Robert Wagner  
(Comedy, rated PG, 110 min.)

WEDNESDAY MAY 27  
"FIREWALKER"

Starring  
Chuck Norris and Lou Gossett Jr.  
(Action, rated PG, 106 min.)

FRIDAY MAY 29  
"CHILDREN OF A LESSER GOD"

Starring  
William Hurt and Marlee Matlin  
(Romantic-Drama, rated R, 119 min.)

Starting Time: Evening / 7 pm

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

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1987 — No. 40057

FROM \_\_\_\_\_ PLACE STAMP HERE

TO \_\_\_\_\_

## Teamwork was key to new aircraft at minideck

Soft soil and heavy aircraft made moving two old aircraft a real challenge early this month. When an overage P-3A Orion had to be moved from Armitage Airfield to the Minideck facility west of dry China Lake bed, and an even older C-97 Stratofreighter moved from the Minideck to the Weapons Survivability Laboratory

(WSL), no one realized just how big an undertaking they had committed to.

Since the Minideck facility was established in 1970, the engines of the C-97 have been used during fire tests to simulate the wind that flows across an aircraft carrier deck.

According to Dennis Sorges, head of the

WSL, this particular C-97 Boeing Stratofreighter was built in 1952 and has been increasingly difficult to maintain due to age and unavailability of replacement parts. All of the four engines and propeller hubs were in need of overhaul, the cost of which would have been prohibitive.

The WSL, which supports the Safety and Security Department's tests at the Minideck facility, proposed replacing the C-97 with a P-3 Orion aircraft. Collaborative efforts between Code 242 and the WSL resulted in initiation of the acquisition of a P-3. The Naval Air Systems Command (Code 5514) located a P-3A and arranged for its transfer to NWC. Funding to replace the C-97 with the P-3A was provided by Naval Sea Systems Command (Code 5645).

Matt Matthews from the WSL handled the coordination of groups involved in making the switch of aircraft. Prior to the day set for the move, Bob Bergstrom's Support Service heavy transportation group (Code C-267) regraded a road running from the WSL (located on the north-east side of the China Lake bed) to the Minideck. This road was originally constructed to move the C-97 to the Minideck because large transport aircraft cannot be towed along existing roads.

On the initial day of the move, Saturday, May 3, Matthews, who is also an AMS1 in China Lake Reserve Unit 0176 was joined by Chief Chuck Garton and AMS1 Theron Day of that same unit in beginning the move. Once the P-3A left the airfield's runways, it was towed across the desert on the old "B-29" road by an armored personnel carrier. Towing of the P-3A was accomplished using a tow bar

(Continued on Page 7)



ON ITS WAY — NWC personnel begin the hard work of moving the old C-97 to its new home. It Orion.

## NWC balloonists training during big balloon race

Local readers of news reports about the Gordon Bennett balloon race held May 9 were no doubt startled to see that one of the six helium balloons listed as being launched that evening was a Navy balloon from China Lake.

Duane Powers, the Center's chief balloon pilot and his crew of Milt Caves and Art Hickle, did not actually participate in the race itself — they are not permitted to so by Navy regulations — but they did once more join other balloonists at the "grandfather of all balloon races."

Powers says that he and his personnel have taken advantage of such races for training purposes. Ordinarily it costs about \$5,000 to inflate their 42-foot-diameter balloon with helium but at races the amount of gas costs only \$3,000.

"This is a great way for us to get the kind of training needed to qualify as balloon pilots at a reduced price," he says. "This year we were hoping to be able to say aloft long enough so that we could land the next morning and take up our two balloonists in training — Gary Bartlett and Rich Perrine — and give them some of the flying time they need to qualify for a balloonist's license."

Powers and his crew have flown with the Gordon Bennett racers in two previous events. They have usually flown with more than the normal race contingent of chief pilot and one crew member since these flights have been used as training flights so their gondola would have been too heavy to be competitive anyway.

Ordinarily the balloonists expect to travel from 600 to 1,500 miles or more depending on weather (the balloons are capable of flying in excess of 3,000 miles), but this year's winner only covered about 50 miles before weather conditions changed and they had to land. The winning team was Jim Jones from Phoenix and his co-pilot was Dale Yost; Yost is the son of Ed Yost, who is considered the father of hot air ballooning in this country.

The Navy balloon traveled only about 30 miles before landing after 7 air hours, Powers said, which is the least mileage of any of the flights that the Navy has made during a Gordon Bennett race.

He flies competitively on his own free time. In two recent years he and his sponsor and friend finished in the top three teams in the country so they were invited to take part representing the United States in international competition.

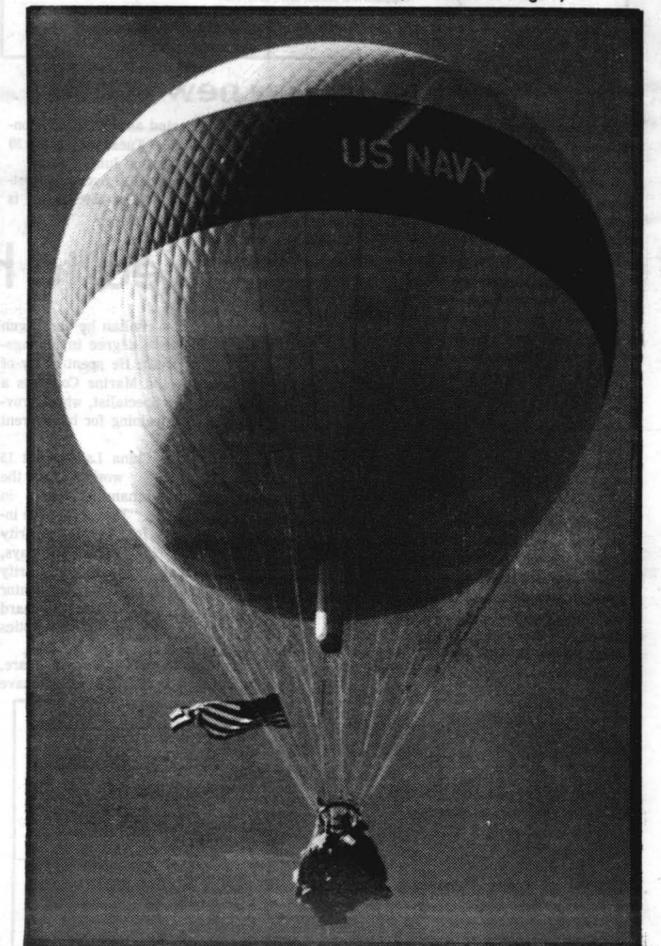
## Air Contingency Battalion exercises on Navy ranges

Approximately 1,000 Marines from Camp Pendleton will conduct an Air Contingency Battalion Exercise at the Naval Weapons Center during the period of May 27 to June 1. The exercise will begin at approximately 8 a.m. on Wednesday, May 27 with the arrival of the initial Air Force C-141 aircraft. An additional C-141 will arrive each hour for the next 48 hours until all the Marines

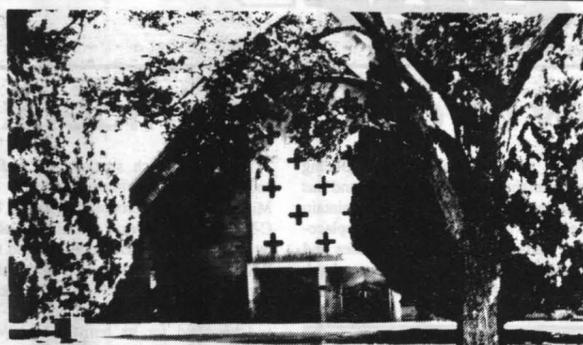
and their equipment have been delivered to NWC.

The Marines will then bivouac at the recreation area north of Armitage Airfield. On Friday, May 29, the Marines will conduct an operation in the Airport Lake area to simulate protecting Armitage Airfield against "aggressors" from the north.

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UP AND AWAY — The Center's blue and white balloon soars skyward after a launch. Laying out the rigging takes about an hour and filling the balloon with 35,000 cubic feet of helium takes a second hour before it can be airborne.



## Divine Services

Protestant	
Sunday Worship Service	10:30 a.m.
Sunday School (September thru June)	9:00 a.m.
Bible Study (East Wing)	
Wednesday 11:00 am. (September thru June)	
Thursday 8:15 a.m. Men's Prayer Breakfast	
7:00 p.m. Officer's Christian Fellowship	
Christian Military Fellowship	
Islamic	
Jumaa Prayer (Friday in Annex 4)	1:00 p.m.
Roman Catholic	
Sunday Mass	9:00 a.m.
Communion Service (Monday)	11:35 a.m.
Daily Mass (Tuesday thru Friday)	11:35 a.m.
Confession (Friday)	4:30-5:00 p.m.
Religious Education Classes (Sunday)	10:30 a.m.
(September thru May)	
Jewish	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Education (Saturday in Annex 4)	9:00 a.m.
Religious School (Saturday in Annex 4)	1:00 p.m.

Chaplain J. Milton Collins, CAPT, CHC, USN  
 Chaplain A. J. Smith, CDR, CHC, USN  
 Chaplain Claude H. Beede, LT, CHC, USNR  
 Hearing Impaired Equipment, Nursery Available  
 Phone NWC ext. 3506, 2773

## Registration open for new group

Registration is on-going for a support group for the separated and divorced sponsored by the NWC Chaplain's Office. "Beginning Again" will meet Tuesdays from 6:30 to 7:30 p.m. at 1905 Mitscher (across from the All Faith Chapel) starting June 16. There is no charge for attendance and babysitting will be provided. Anyone interested in attending is asked to register by telephoning NWC ext. 2873 or 5566. Space is limited, so prompt registration is encouraged.

# Terry Trahey picked to head Security Division

Terry Trahey has been selected as head of the Security Division of the Safety and Security Department.

"In essence," he says, "this means that I am the principal advisor on information and personnel security and many physical security issues. I am responsible for the management of the NAVWPNCEN Security Program for the Commander through Roy Parris, head of Code 24."

Trahey's background has led him into working with security matters. A high school dropout in his native Brooklyn, he joined the Marine Corps at 17 and spent 20 years in the service.

Those 20 years were extremely educational, however. Not only did he complete high school through a G.E.D. test but he also completed a bachelor's degree while he was stationed in Hawaii (since coming

to China Lake as a civilian he has begun work on his master's degree in management science as well). He spent many of those 20 years in the Marine Corps as a Counterintelligence Specialist, which proved to be excellent training for his current position.

Before coming to China Lake about 15 months ago, Trahey worked for the Military Sealift Command, Atlantic, in Bayonne, New Jersey. "The work there involved responsibility for physical security of civilian-crewed Navy ships," he says, "which meant that as the Fleet Security Officer I was the central coordinator responsible for monitoring shipboard physical security administration, logistics and training."

He adds that "Here all your eggs are, essentially, in one basket because you have

## Bears causing concern for campers, picnickers

Bears have been ambling down into campgrounds in the Sierra as well as into areas where individuals camp in the high country.

Although the bears found in the Sierra look very large to a camper whose area they unexpectedly visit, so far there have been no reports of anyone being injured who hasn't hit or tried to hit the bears first.

To ensure that this condition continues, Department of Fish and Game wardens have several suggestions to anyone planning to go camping.

First, don't ever charge a bear and frighten him. Sometimes bears can be scared away by beating on pots and pans or by flapping a tarpaulin at them, but be sure to do so from a safe distance and then retreat.

## Swimming essential skill

Swimming is a big part of the fun of the out-of-doors during the summer, especially in desert summer heat. Unfortunately such fun can turn to tragedy unless individuals are aware of the dangers of this activity, according to Dr. Leon M. Hebertson, Director of Public Health Services for Kern County.

In 1986, 29 people drowned in Kern County, a significant increase over the 22 deaths occurring in 1985 and 14 in 1984.

Dr. Hebertson recommends that all children learn how to swim well; formal swimming instruction is in order to ensure this. Adult swimming lessons are also available through many sources.

Other advice offered includes that swimmers should not swim in an unfamiliar body of water, should never swim alone

and never dive into water whose depth is not known.

While bears are seldom a threat to people who don't frighten or attack them first, they definitely are a threat to any food in camp.

Keep a clean camp is the best advice with all garbage taken to containers in the campground as soon as meals are over. Put food, garbage, dog food or any other edibles in the car trunk rather than in a tent. The vehicle should then be parked at some distance from the camp.

Anything left in camp such as an empty ice chest, backpack or duffel bag won't be left open so that a curious bear won't rip it apart when trying to decide what's in the container.

Those planning to camp in wilderness areas, especially first time campers, should ask the Forest Service for their pamphlet on how to bear-proof a camp.

In a pool, swimmers should stay in the part of the pool safe for their level of swimming skill, they should never push or shove an individual near the water and should allow only one person on a slide or diving board at any one time.

Swimming after eating or consuming alcoholic beverages or drugs is also dangerous.

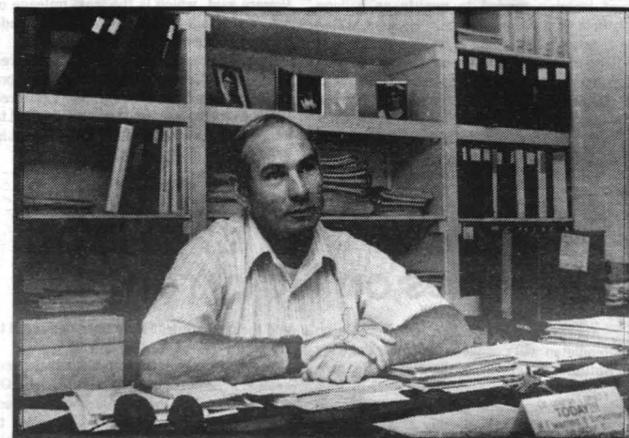
Infants and young children need constant supervision when near a pool.

The Kern River is also especially dangerous. Signs posted warning against swimming in that river must be heeded because the majority of last year's drownings occurred in the river.

## Swimmers sought by swim club

Swimmers who may be interested in forming a local master's swim club are invited to attend an organizational meeting at 7 p.m. on Thursday, June 4. The planned organization would conduct workouts, clinics and meets and swimmers of all ability levels who are 24 or older are eligible.

Further information can be obtained by telephoning Sam Miller, 3411, ext. 287.



CHALLENGE — Terry Trahey looks forward to his new job as head of the Security Division of the Safety and Security Department.

## Desert soil resists try to dislodge aircraft . . .



(Continued from Page 1)

fabricated by the WSL's support contractor, Kentron.

By about 2 p.m., the P-3A had reached a point about a mile northwest of the Minideck. Then problems developed. The wheels of the P-3A sank into a soft sand and clay subsurface to a point that the aircraft was securely stuck until much additional help could be secured.

The next morning the same three, assisted by Kentron personnel and volunteers from the WSL including Russell Mills, an engineer in that group, decided to tow the C-97 from the Minideck and move it off the Minideck to the WSL facility. Again, the composition of the soil a half mile from the P-3 location defeated initial efforts: the C-97 also got stuck in the sand.

Monday two of the Center's geologists, Drs. Glenn Roquemore and John Zelmer, gave guidance about the clay in which the aircraft were stuck. The Support Services Group from Public Works Department provided invaluable help. The breakthrough, however, came courtesy of Paul Day from Edwards Air Force Base through whom the Center borrowed two lots of air bags to raise the two stuck planes. Raising the airplanes allowed one inch steel plate to be placed under the aircraft wheels and to provide a ramp on which the airplanes could be pulled out of their respective holes.

By the end of the week, the P-3A was in place at the Minideck and ready to provide the same service the C-97 was provided for years, and the C-97 was at the WSL.

The Stratofreighter will be defueled and moved to the airfield. Its eventual disposition is as yet unknown, but if it leaves the Center, the aircraft will be flown out. That occasion will probably be the last flight ever of a C-97 aircraft.

Not all the aircraft at the WSL end up being destroyed in test programs. While the C-97/P-3A move was taking place, a crew from the Castle Air Force Base Air Museum was at the WSL dismantling an F-89 Scorpion for transport. The WSL has donated several other old aircraft to museums in the past.

Photos by  
 Matt Matthews  
 and  
 Mickey Strang



STUCK — When the wheels of the aircraft got stuck in sand, digging didn't help. Air bags borrowed from Edwards AFB were used to raise the aircraft enough for steel plate to be slid under the wheels. In the bottom picture, the P-3A is towed across the desert by an armored personnel carrier.



**NWC Rocketeer**

Captain John Burt  
 NWC Commander

Gerald R. Scheler  
 Technical Director

Danley Klina  
 Public Affairs Officer

Mickey Strang  
 Editor

Sleva Baster  
 Associate Editor

PHAN Bob Reynolds  
 Staff Photographer

Official Weekly Publication  
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# Holiday weekend expected to attract thousands

Warm weather and trout season have Sequoia National Forest officials busy preparing for campers, anglers and sightseers on Memorial holiday weekend.

Most campgrounds will be open for the weekend with tables, water, toilets, fire rings and garbage pickup available. Those open campgrounds will be filled with campers early today.

Two popular camping areas in the forest have been developed into day-use picnic grounds this year. Richbar Campground located in the Kern Canyon on the Greenhorn Ranger District has been renamed Lower Richbar Picnicground. The change was made to better serve the growing demand for picnicking and day-use sites close to Bakersfield. "Tubs and Slides

Area" on the Hot Springs Ranger District is now for day-use with a parking area on the Lloyd Meadow Road from 6 a.m. to 7 p.m. Camping will no longer be permitted at the "Tubs and Slides" as an effort to reduce erosion of the soil and pollution of the stream.

Trails at the lower elevations are open in the Sierra Nevada of Sequoia National

Forest. There could be patches of snow on the northern slopes about the 8,000' elevation. Due to winter storms, rocks or fallen trees may also be across the trails.

Forest access roads are open: Highway 180, the Generals Highway, Highway 190, the Western Divide Highway, the Parker Pass road through California Hot Springs,

Highway 155 over Greenhorn Summit, Cherry Hill Road, Sherman Pass and Highway 178.

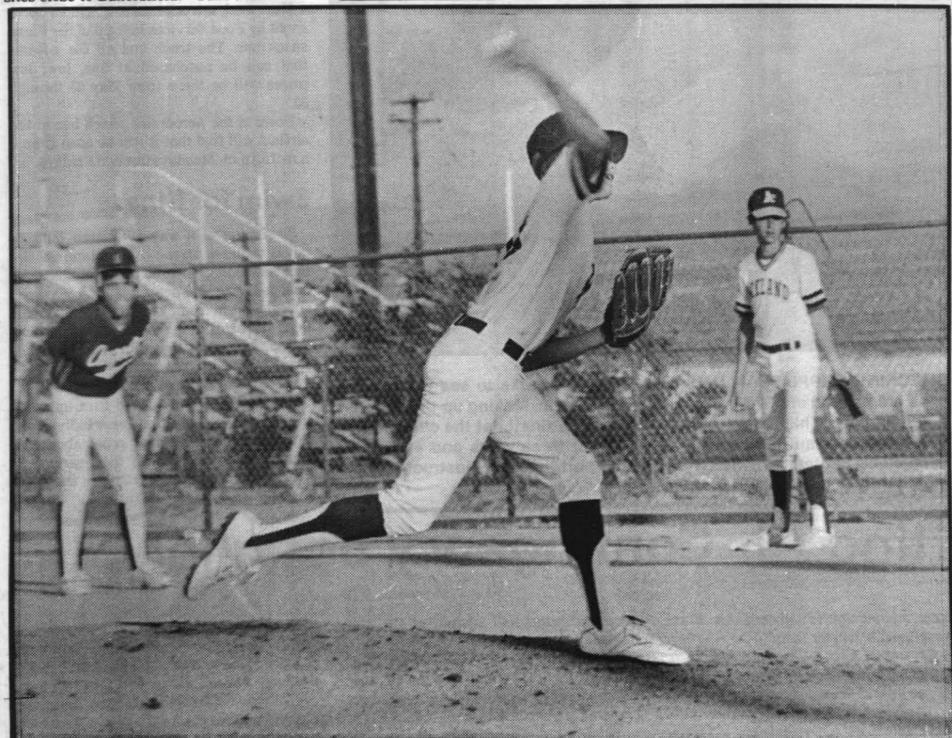
Rivers and streams are running fast, cold and dangerous. Backpackers should use caution not to cross streams and rivers except by bridge.

Fire season opened earlier than usual this year because of the hot weather and low snow pack. Permits are required for campfires built outside an improved campground. Campfires are to be built on mineral soil in a 10-foot cleared area and be dead-out when you leave it.

Permits are required also for rafting the Kern River and for overnight stays in the Golden Trout Wilderness. These are free at Forest Service Offices.



## Sports



**OVER THE TOP** — The pitcher for the Angels in the Pony League game was held Tuesday at NWC.

## Center rents camping gear

Summer recreation for China Lakers usually means getting away from the heat on weekends or longer periods of time. To make it easier to get away, the Naval Weapons Center's Recreational Services Department offer camping and boating gear for rent.

Available through the gear issue desk at the NWC Gym, the department's Sports Branch can provide campers with tents, tent trailers, sleeping bags, stoves, lanterns, backpacks and much more.

That camping or fishing trip can be a real success with the equipment available through NWC Recreational Services Department.

Military personnel may reserve specific items up to 30 days in advance, while DOD civilians are allowed to make reservations 15 days in advance. For additional information on prices and availability, visit the Center Gym or call NWC ext. 2334.

## Team rifles are on target

Sharpshooters from the Naval Weapons Center's Rifle Team dominated a high-power rifle tournament in San Diego last weekend. The NWC team used this tourney as a means to tune up their skills for the Pacific Fleet Rifle/Pistol Championships starting May 23.

The Center team swept three of five individual first place awards and the grand aggregate championship honor.

Shooting for China Lake were FCCM Ralph J. Legler, FCI Bruce Butler, LI2 Tim Moes and AD2 Gina A. Greterman. Petty Officer Butler and Petty Officer Greterman were shooting in a high power competition for the first time according to Nelson H. Foucher, team captain.

## CLMRG class

Members of the China Lake Mountain Rescue Group (CLMRG) will teach basic mountaineering and mountaineering safety for six weeks starting Tuesday, June 9.

Lecture sessions will be held Tuesdays 7 to 9 p.m., while practice sessions will be Wednesdays 5 p.m. until dark.

This class is limited to 40 students who must be 16 years of age or older and be physically able to take the course. There is no fee for the class but some equipment will be required. Students must register in advance to take the class.

Anyone interested in this class should register by mail with name, address, prior experience if any and a list of reasons for taking the class. Also potential students should include a stamped, self-addressed envelope. Send the registration information to:

CLMRG  
Attn: M. Renta/H. Derrickson  
P.O. Box 2037  
Ridgecrest, CA 93555

## BHS athletes need funding

Mary Cronkhite, a senior at Burroughs, and Shelley Hulsey, a sophomore at Burroughs, have been chosen for the USA Softball Team. Representing the United States, the girls will be traveling with one of three teams pitting their softball skills against teams in Sweden, Finland and Russia.

Since both Cronkhite and Hulsey have been associated with the local Bobby Sox League, the league is sponsoring a fund raising steak dinner, which will be held in the picnic area at the Chief Petty Officers' Mess on May 30 from 6 to 8 p.m. For only \$6, a person could enjoy a steak dinner or for only \$2.50, a person could enjoy a hamburger or hot dog dinner. All money collected, over the cost of the food, will go towards the girls' traveling expenses.

From 8 until 10 p.m., the New Dynasty Band (from Los Angeles) will provide music for dancing or listening pleasure. A donation of only \$3 is being requested. Since the band is donating their time and talents, all money collected will go for Cronkhite's and Hulsey's expenses.

For people who can't make the dinner, but would like to donate, or for more information, please call Anita at 375-7033 or Lenny at 446-2807.



## The Skipper Sez...

### QUESTION

Captain, thank you for the opportunity to allow us to call with our questions and concerns. Mine has to do with the fact that as long as I can remember we have been told to treat secretaries as professionals. Asking a secretary to make coffee or to do personal favors has been discouraged, if not made illegal. Now I find in the Rocketeer that one of the presentations scheduled for Secretaries Week is color analysis. I think this is degrading to secretaries and would be in the same category as a session on how to make coffee. I have always tried to further secretary professionalism and thus resent when asked as a supervisor to allow my secretary to attend this presentation.

### ANSWER

It is unfortunate that you found that an activity selected by secretaries for secretaries degrading. Recognition of secretaries includes allowing them to select what they feel is appropriate for their enjoyment, learning, and development. You should not have felt resentment when asked as a supervisor to allow your secretary to attend the color analysis session since a part of professionalism for all groups, including secretaries, is appearance and dress. The color analysis sessions were designed to enhance that aspect. These sessions were well attended and much appreciated by the secretaries and others who attended.

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. 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 not required otherwise. There is no intent that this column be used to subvert normal established chain of command channels.

## Awards luncheon honors achievements, inventions on Wednesday, June 10

L.T.E. Thompson and William B. McLean Awards will be presented on Wednesday, June 10, during a luncheon honoring the recipients. The luncheon will be held at the Commissioned Officers' Mess at 11:30 a.m.

The L.T.E. Thompson Award, the Center's highest form of recognition, was established in 1956 to recognize outstanding individual achievements.

The William B. McLean Award, established in 1968, honors employees for their outstanding creativity in the furtherance of the Center's mission through significant inventions.

Reservations for the awards luncheon can be made by telephoning NWC ext. 2592 no later than 4 p.m. Thursday, June 4.

Menu selection are either a chef salad or sweet and sour pork with rice. Either selection is \$5.



**DELAYED AWARD** — Gerry Schiefer, NWC Technical Director, watches as Robert Sutton is congratulated on receiving the Technical Director's Award by Dave Seibel, head of the Advanced Technology Branch of the Electronic Warfare Department. Sutton was one of

four men who received Technical Director's Awards for their work in developing the multiple ordnance aircraft tactical aircrew combat training system interface system (MOATIS). Sutton was away on a NWC fellowship when the awards were presented.

## Services set for May 30



**IN SORROW** — The Center's flag flies at half staff in honor of the Navy personnel who were killed on the USS Stark earlier this week.

Memorial Day, originally established to honor soldiers killed in the Civil War, has been celebrated on May 30 since 1868. Only in recent years has the federal government designated the closest Monday to several national holidays — including Memorial Day — as the day on which such holidays should be observed. This was done to enable federal employees and others to have three-day holidays.

Members of the Fleet Reserve Association and local veterans' groups have decided that this Monday celebration detracts from the participation in programs and ceremonies conducted to venerate those who gave their lives for their country. Consequently local observance at Desert Memorial Park will be held on Saturday, May 30.

All veterans, their families and all who would like to pay their respect to the veterans of America's wars are invited to attend the ceremonies on May 30 at 10 a.m. at Desert Memorial Park.

## Nobelist to be speaker for Sigma Xi mtg.

Nobel Prize winner Dr. Murray Gell-Mann will be the honored guest speaker at the spring dinner meeting of Sigma Xi on Thursday, June 4 at the Enlisted Mess. All interested persons are invited to attend.

Dr. Gell-Mann, who teaches at the California Institute of Technology, is not only one of the world's leading theoretical physicists but also a gifted public speaker who could be classified as a Renaissance man whose avocations include linguistics, archeology and bird watching.

His talk will be about "superstrings," the currently hot topic in the struggle to understand basic constituents of matter and energy.

The meeting will begin with a social hour at 6 p.m., to be followed by dinner at 7 and the program will begin at 8 o'clock. Cost of the dinner is \$11 per person which also covers the evening's program.

Tickets must be purchased in advance. They can be purchased by telephoning any of the following: Francis Canning, NWC ext. 3932; Don Decker, NWC ext. 3247; Dave Gillespie, NWC ext. 3124; Carl Helmick, NWC ext. 1415; Gary Hewer, NWC ext. 3219; Dave White, NWC ext. 3089; Glenn Roquemore, NWC ext. 3356; and Mike Stringham, NWC ext. 1033.

## Audiologist at clinic honored for her skills

Four years in the Navy, including a tour of duty at China Lake, left Connie Zeno with a desire to continue working in a health field. Now the health technician at the Naval Weapons Center's Branch Medical Clinic is being honored as Civilian of the Quarter for her work in audiology.

A civilian employee at the clinic for the past two years, Zeno notes she is now doing the same job she did while on active duty with the Navy. She performs hearing tests and counsels personnel at China Lake about dealing with hearing hazards, including the danger to their hearing that can result from not making use of protective equipment on the job.

The interaction between patient and technician is the part of the job she enjoys the most. Zeno finds the ability to talk to people about potential hearing hazard and how to avoid hearing loss very rewarding.

Following her time in the Navy, four

years she feels were very worthwhile, Zeno went to work as a security guard before getting the opportunity to come to the China Lake fold. "I knew I wanted to get back to the health field after spending time as a security guard," she commented.

In addition to enjoying her job here, Zeno finds the Ridgecrest area a good place for families and a good area to escape from the madhouse of the metropolitan areas.

When not busy with work, Zeno is active with the Ridgecrest Christian Fellowship, Woman's Aglow, Bible study programs and softball. She notes she is a sports fan and fan is spelled with a capital F.

Zeno's husband, Henderson, is working for a contractor at the airfield as a jet engine mechanic and, like his wife, it's also the same job he had in the Navy.

The couple are the parents of three children: Carletta, 10, Joshua, 3 and Christine, 18 months.



**HEARING TESTING** — Connie Zeno, a health technician, sets up separation physical hearing tests for sailors preparing to get out of the Navy. Zeno is Civilian of the Quarter for the NWC Branch Medical Clinic.

## Surplus auction June 10

Panel trucks, 4x4 pickups, sedans, typewriters and fence posts are among the 243 items to be sold at public auction when the Defense Reutilization and Marketing Office at China Lake holds auction IFB 41-7386 on Wednesday, June 10.

The sale will begin at 9:30 a.m. in Building 1073, Warehouse 41 at the Naval Weapons Center. Because this area is inside NWC's interior security fence, prospective bidders who do not have access to the area must stop at the Main Gate and obtain a pass.

Other items available at this auction will be storage lockers, evaporative coolers, electric forklifts, dressers, electrical com-

ponents, laboratory equipment, a weather radar antenna, seal flex, a centrifuge and a Quonset hut.

Registration begins at 7:30 a.m. the day of the sale. Bidders must be present and registered to bid and mailed bids cannot be accepted.

Items purchased may be removed on sale day if full payment is made. Payment must be in cash or guaranteed instrument such as money orders, traveler's checks or cashier's checks. Storage charges will be applied if items have not been paid for and removed no later than June 17.

For additional information on this sale call Greg Berry at NWC ext. 2502.



Groves School and Groves Street on the Center both are named in honor of Brigadier General Leslie R. Groves, who headed the Manhattan Project during World War II — Manhattan Project being the code name given for the development of the atomic bomb.

Although none of the nuclear work was done at China Lake, from 1945 through 1954 employees at Salt Wells were actually working for what became the Atomic Energy Commission rather than for the Navy. To help defray the Navy's expenses for housing and providing services to these

personnel, funds were transferred to build the school as well as to build pre-fabricated housing that was used until 1961.

General Groves visited China Lake shortly after the end of World War II when he was looking for a possible replacement site for the Los Alamos Laboratory because of water shortage problems there. He turned down the "NOTS Inyokern" area offered by the Navy because he felt it would be too difficult to attract and keep qualified engineers and scientists at such a remote location.

## Protect computer passwords against hackers

If you were a computer hacker and wanted to enter someone else's system, how would you get the password?

According to DOD security officials, it's very possible you'd find it tacked to a bulletin board or, even more conveniently, in a desk drawer, right there with the combination to the safe.

If not, you could probably figure it out if you knew something about that person. Often people choose passwords based on their name, address, telephone or Social Security number, husband or wife's name,

maiden name or children's names.

The most common woman's name for passwords is "Susan." For men, it's "Fred," likely because it can be typed with one hand. "Elvis" is the most common password for rock and rollers, and car buffs tend to go for "Porsche" or "Corvette."

To discourage computer crime, DOD officials recommend selecting a password that mixes together six or more letters and numbers. Memorize it so you don't have to write it down. Don't share it with other people, and change it at least once a year.

DOD security experts offered these additional computer security tips:

- Limit physical access to your computer room and systems.
- Keep monitors and screens away from windows and doors.
- Don't leave a system operating unattended.
- Don't walk away from a system that's logged onto a network.
- Have maintenance performed only by authorized and qualified people, and only after sensitive information is removed.

• Strictly control any modifications to system hardware.

- Use an audit system.
- Use electronic labels to show the sensitivity of information.
- Protect or destroy magnetic storage media, even after overwriting and degaussing.
- Protect the ribbons used to process sensitive information.
- Secure the system at the end of the day.
- Never work on sensitive information at home.



## China Lake Police Reports

A friend of the victim entered a residence on Richmond Road, found that the victim wasn't in, and damaged a stereo in the residence.

Someone removed hand tools from the bed of the victim's vehicle when it was parked on Nimitz Avenue.

Police took a battery report when one juvenile knocked another off a bike, hit him in the arm, and caused damage to the bike.

Officers made a traffic stop on a vehicle on Richmond Road and found that the driver was unlicensed. The driver was cited into court.

Police took a burglary report when an unknown person attempted to break

through the door of a residence on George Street.

One vehicle struck another on Bogue Circle, causing minor damage to both.

A key card was found in the parking lot of Michelson Laboratory. The card has been placed in the evidence system at the police station and can be claimed by its owner.

Unknown persons threw a rock through the windshield of the victim's vehicle while it was parked on Kearsarge Avenue, breaking the windshield.

A minor was arrested on the campus of Murray School for being in possession of marijuana. He was released to his parents.

A petty theft report was made at the Center gym when a male refused to return a basketball jersey.

An individual came into the police station to report that he had found a bicycle in a dumpster at Vieweg School. The bike was brought to the station for safekeeping. Shortly thereafter, a victim reported that his bike had been taken from the gym; he identified the bike at the station as his missing bike and reclaimed it.

A bundle of a white powdery substance was found in the area of Michelson Laboratory. It is being tested to determine if it is a controlled substance.

At the BEQ a suspect was arrested for entering one of the rooms through the window. He was subsequently booked

into jail in Ridgecrest.

When a young woman entered the main gate without stopping, she was found, issued a letter of trespass, and released to her mother.

Police filed a vandalism report when the window of a room in the BEQ was broken.

A wife who was struck by her husband in their residence on Halsey Road was taken to Ridgecrest Community Hospital for treatment. He was arrested and booked into jail in Ridgecrest.

On Strop Avenue a bicycle rider rode into the rear of a parked vehicle, resulting in a traffic accident report being filed by police.

## NWC Branch Clinic honors sailor

His willingness to help out and his professional work habits brought Sailor of the Quarter honors at the Naval Weapons Center Branch Medical Clinic to HM3 Jake Croteau.

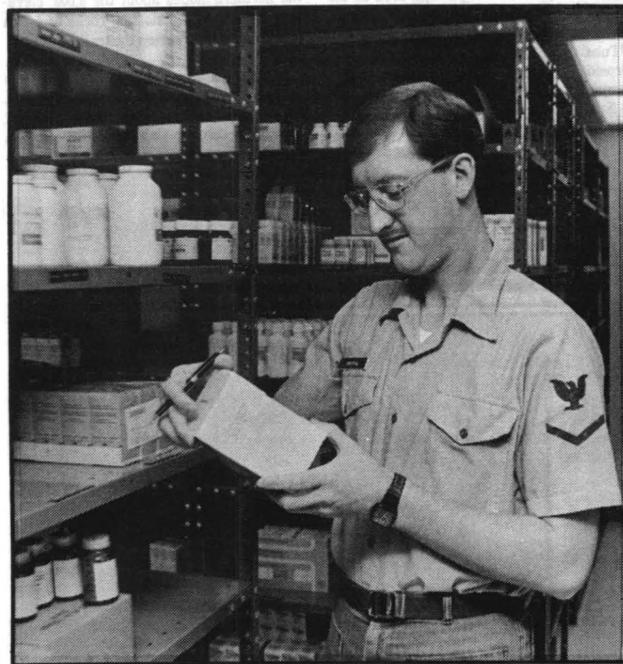
Cdr. Dean Hermann, Clinic Officer-in-Charge, in his letter commending Petty Officer Croteau said, "your willingness to help out, on short notice, regardless of the task does much for clinic morale and efficiency."

A three-year Navy veteran, Petty Officer Croteau has been a China Laker since September of 1985. He says he really enjoys his work as the clinic's military supply coordinator. This job, he commented, allows him to meet and deal with people throughout the clinic. "I'm not sitting behind a desk all day," he added.

In addition to stocking and dispensing supplies for the clinic the new Sailor of the Quarter makes up orders for supplies, drives a van to the Long Beach Naval Hospital once a week to collect orders and take patients for treatment. In the next few weeks he will also be working to place the supply system inventory and ordering procedure on a computer program for the first time here. He expects the computerized system to be a big boost to efficiency of operation.

A native of Ontonagon in northern Michigan, Petty Officer Croteau's work doesn't end with supply duties. He is a CPR instructor in his off-duty time and when he pulls after-hours duty as a corpsman he acts as a section head in directing junior corpsmen at the clinic.

In his spare time HM3 Croteau likes to do the Sierra Nevada for some climbing, hiking or fishing. He also finds time to do white water rafting on the Kern River during the rafting season.



**CHECKING SUPPLIES** — HM3 Jake Croteau checks to see what supplies are needed at NWC's Branch Medical Clinic. Making up the supply orders is part of his job as military supply coordinator at the clinic. Petty Officer Croteau has been in the Navy for three years and at China Lake since September, 1985. He is also a part-time CPR instructor during off-duty hours.

## Marines airlifting Air Contingency Battalion . . .

(Continued from Page 1)

Upon completion of the operation, vehicles and equipment will be cleaned for reloading aboard the C-141s. At approximately 7 a.m. on Saturday, May 30, aircraft will depart NWC each hour until all the Marines and their equipment are returned to Camp Pendleton.

The Air Contingency Battalion Exercise enables the Marines to practice for operating anywhere in the world and accomplishing a variety of missions ranging from humanitarian support efforts to actual combat operations.

Being tested in this exercise are load plans — the ability to properly load per-

sonnel and equipment aboard Air Force aircraft and to deliver them to the objective area.

Although the public and Center personnel will see little of the Marines engaged in the Air Contingency Battalion Exercise they will be able to get a close-up view of Marine

Corps personnel and equipment on Saturday, May 30.

The display will be in front of the Headquarters Building from 9 a.m. to noon. Everyone in the community is invited and cameras are permitted.

Included in the display are the following:



## Military News

105mm howitzer, TOW (tube-launched optically-tracked wire command) anti-tank missile system, Dragon anti-tank missile system, 81mm mortar, 60mm mortar, SMAW (shoulder-launched multipurpose assault weapon), LAAW (light anti-armor assault weapon), SAW (squad automatic weapon), 50-caliber machine gun, M-60 machine gun, M16A2 rifle and M203 grenade launcher.

In addition there will be the High Mobility Multipurpose Wheeled Vehicle which replaced the Jeep and a "Dragon Wagon" — a logistics vehicle that can tow a wide range of special-purpose trailers.

## Former spouses may be qualified for CHAMPUS

The former husband or wife of a member or former member of the uniformed services is eligible for CHAMPUS health care coverage under certain conditions:

- First, the former spouse:
- must not have remarried;
  - must not be covered by an employer-sponsored health plan;
  - must have been married to a service member or former member who performed at least 20 years of active duty which can be credited toward determining retirement pay;
  - must meet the requirements of either (1) or (2) below (not both):

(1) Must have been married to the same member or former member for at least 20 years and at least 20 of those married years must have been creditable in determining the member's eligibility for retirement pay. If the date of the final decree or divorce or annulment was on or after Feb. 18, 1983, the former spouse is eligible for CHAMPUS coverage of health care which is received after that date. If the date of the final decree is before Feb. 1, 1983, the former spouse is eligible only for CHAMPUS coverage of health care received on or after Jan. 1, 1985.

(2) Must have been married to the same military member or former member for at least 20 years and at least 15 — but less than 20 — of those married years must have been creditable in determining the member's eligibility for retirement pay. If the date of the final decree of divorce or annulment was on or after Feb. 18, 1983, the former spouse rules apply only to a single marriage. A former spouse who was married to two service members, with each marriage totaling less than 20 years, but both together adding up to 20 years or more, would not be eligible for CHAMPUS even if all other conditions were met.

As mentioned earlier, former spouses who are covered by an employer-sponsored health plan aren't eligible for CHAMPUS benefits, regardless of any limitations in coverage that the employer's health plan may have.

A former spouse who has remarried loses CHAMPUS eligibility permanently, regardless of whether the new marriage ends for any reason. The only exception to this is when the new marriage is annulled because it's illegal in the state in which it occurred. In such cases, CHAMPUS eligibility is reinstated as of the date of the annulment.

Of course if the remarriage is to a military sponsor, the former spouse will again be eligible for CHAMPUS as a result of the new marriage; his or her status as a "former spouse" will no longer matter.

An eligible former spouse must pay the first \$50 of what CHAMPUS determines are reasonable charges ("allowable charges") for covered outpatient services and supplies received from an authorized civilian provider of care in any one fiscal year. After the \$50 "deductible" is paid, he or she must then pay 25 percent of such charges for outpatient services and supplies received throughout the rest of the fiscal year. The same 25-percent cost-sharing is required for any inpatient care received, but there's no initial \$50 deductible for inpatient care.

Former spouses who are eligible for CHAMPUS are only eligible for the basic program. They are not eligible for benefits under the Program for the Handicapped.

Also, they may not be dependents of NATO members.

These former spouse eligibility rules don't apply to CHAMPVA (the Civilian Health and Medical Program of the Veterans Administration).

## NEX News

Monday — this holiday Monday — the Navy Exchange Retail Store will hold a Super Monday Sale in honor of Memorial Day in conjunction with the already ongoing sale commemorating the holiday. The biggest price reductions will be during the early bird portion from 10 a.m. until noon but there will still be major price reductions on many items until the store closes at 2 p.m. that day.

Those who are planning to give graduation, Father's Day or summer wedding gifts can get a head start on their purchase during the Sight and Sound Sale now underway. This special event will last through June 4.

Next week a truck-load sale will be sponsored by Food Services in front of the Plaza snack bar. The truck and all the goodies that can be purchased at low, low, low prices will be there from May 28 through 30.

Users of the Aerodrome snack bar at the airfield will find that it will be open from 7 a.m. to 3 p.m. Mondays through Fridays.

## Swim for fitness

Swimming is a way to release tension, but it requires strength and stamina. Before swimming do 10 to 15 press ups standing on dry land. Face a wall, stretch arms straight out in front, keeping back straight. Bend the arms and lean forward, touching chin and chest to the wall. Hold for a second, then push back.

Skipping rope is a way to firm up muscles. It is an exercise that keeps individuals physically fit. Skipping rope about 15 minutes a day conditions the heart so it won't have to work so hard when the body is at rest.

# RADM Hacker to be speaker at Ceremony

Rear Admiral Benjamin Thurman Hacker, USN, Commander of the Naval Training Center in San Diego, will be the guest speaker at the Equal Employment Opportunity Awards Ceremony to be held June 2 from 6 until 9 p.m. at the Enlisted Mess. The Equal Employment Opportunity Awards Ceremony starts American Heritage Week at NWC and everyone is invited to attend the events celebrating American Heritage throughout the week.

Prior to his present position, RADM Hacker served numerous commands in the United States and overseas. The first professor of Naval Science and Commanding Officer of the Naval ROTC Unit at Florida A&M University, Tallahassee, RADM Hacker also served as Division Director at the Bureau of Naval Personnel and was Special Assistant to the Chief of Naval Personnel in Washington, D.C. He has also been the director of the Total Force

Training and Education Division (OP-11) on the staff of the Chief of Naval Operations.

RADM Hacker has a Master of Science Degree in Administration and was recently awarded an honorary degree of Doctor of Education *honoris causa* from The George Washington University in Washington, D.C. Included among RADM Hacker's personal decorations are the Defense Superior Service Medal, the Legion of Merit with two Gold Stars and the Meritorious Service Medal.

A no-host social hour will be held prior to RADM Hacker's talk with the Dixieland Band playing background music. Fine arts from various cultures will be on display from 6:30 p.m. until the close of the ceremonies. The Equal Opportunity Awards, designed to bring honor and distinction to those proving their commitment to the

principles of EEO, will be presented following RADM Hacker's comments.

Tickets for the ceremony are \$5 each and must be reserved in advance by calling NWC ext. 3129.

Wednesday and Thursday (June 3 and 4) will be highlighted by concerts in the park in front of the Headquarters Building from 11 a.m. to 1 p.m.

On both days there'll be decorated food booths selling a wide range of excellent foods for everyone to munch while enjoying the programs. Costumes are also optional, with those who wear costumes becoming eligible for awards.

Wednesday, June 4, is ethnic heritage day. The program will consist of the Dixieland Band, the Valdivia Dancers and a Polynesian Dance by Puanani.

Thursday, June 5, will be western day, with the program having Crosscurrent,

Emma Cameron and The Side Kicks.

On both days the Navy's hot air balloon will be on display, weather permitting, and, again, weather permitting, there'll be a rocket demonstration Thursday.

Friday, June 6, will be highlighted by a breakfast at the Enlisted Mess from 6:30 to 8 a.m. Guest speaker for this finale is Capt. John Burt, NWC Commander. Tickets are \$4.30, and include a luscious breakfast. Tickets may be reserved by telephoning NWC ext. 3129.

A film festival will also be held throughout the week. Films shown in Room 114 of the Training Center include: Monday, 10:30 to 11:30 a.m., "Another American;" Tuesday, 9:30-11:30 a.m., "A Different Approach;" Thursday, 1-3 p.m., "Eyes on the Prize;" and Friday, 2-4 p.m., "A Class Divided." EEO supervisory credit will be given; no preregistration is required.

## NWC honored for hiring most veterans during 1986

Capt. John Burt, NWC Commander, recently accepted a plaque on behalf of the Naval Weapons Center that was presented by the State of California, Employment Development Department (EDD) in Ridgecrest.

The plaque honored NWC for being the

local employer with the most veteran hires during calendar year 1986. NWC surpassed all local employers for this award in spite of a hiring freeze during most of 1986.

As winner of the local award, NWC will now compete at the state level with other employers in California.

**CENTER HONORED** — Heidi Barajas, Personnel Staffing Specialist in charge of the Veterans Reenlistment Act (VRA) Program for NWC, shows a plaque presented to Capt. John Burt, NWC Commander, for the Center's being the local employer with the most veteran hires during calendar year 1986.

— Photo by PHAN Bob Reynolds



# Mayor proclaims week of June 2 as American Heritage Week

In conjunction with the Naval Weapons Center, Michael R. Mower, Mayor of the city of Ridgecrest, has proclaimed the week of June 2 through June 5 as American Heritage Week. The proclamation reads:

"WHEREAS, The Naval Weapons Center established American Heritage Week in 1986 as an affirmative action initiative to honor the diverse ancestries, cultures, and ethnic groups that collectively represent

our nation and its people; and "WHEREAS, The long term goal of Equal Employment Opportunity and Affirmative Action is the appreciation of individuals as individuals and also as a part of a larger cultural or ethnic group; and

"WHEREAS, American Heritage Week this year will be celebrated from June 2 through June 5, 1987. The week long celebration will share the different backgrounds and perspectives of Naval Weapons Center's civilian and military

employees as well as the community of Ridgecrest; and

"WHEREAS, The week will honor our diverse backgrounds through sharing cultural expression such as dance, art, film, music, literature, and food; and

"WHEREAS, In sponsoring this event, the Naval Weapons Center will emphasize the value and enrichment that each person contributes to the Ridgecrest Community. NOW THEREFORE, I, Michael R.

Mower, Mayor of the City of Ridgecrest, do hereby proclaim the week of June 2 through June 5, 1987 as AMERICAN HERITAGE WEEK and urge all departments of government, civic, fraternal and patriotic groups, and our citizens generally, to participate wholeheartedly in its observance."

Signed by "Michael R. Mower, Mayor, CITY OF RIDGECREST, DATED this 20th day of May 1987."



## Promotional opportunities

Applications for positions listed in this column will be accepted from appointable Department of Navy employees within the area of consideration and from eligible employees of attached activities who are permanently assigned to NWC unless otherwise specified in the ad. Appointable means career or career conditional employees, temporary employees with reinstatement or VRA eligibility and employees serving under Veterans Readjustment Appointments (VRAs). Alternative recruitment sources may also be used in filling these positions: vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements including minimum qualification requirements by the closing date. Applicants will be evaluated on the basis of experience, education, training, performance ratings and awards as indicated in the SF-171 along with any tests, medical examinations, performance evaluations, supplemental qualification statements and/or interview that may be necessary. Career ladder promotions are subject to satisfactory performance and cannot be guaranteed. APPLICATION PROCEDURES: Candidates must submit a current SF-171, along with a supplemental qualifications statement (if required), and should submit a copy of their latest Annual Performance Evaluation if relevant to the vacancy. If a supplemental statement is not required, candidates are encouraged to submit additional information which then addresses the specific Knowledge/Skill/Abilities (KSAs) cited in the ad. Write the position title/series/level and announcement number on the SF-171 and all attachments. Be sure that your forms are complete and accurate since you cannot be rated on missing data nor will you be contacted for additional information. Be certain the SF-171 and supplement are dated and have original signatures in ink.

All applications will be retained in the vacancy announcement file; they will not be returned or filed in official personnel folders. Applications and supplements are accepted at the Reception Desk, Room 100, Personnel Department, 505 Blandy. Ads close at 4:30 p.m. on Friday, one week after the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

**No. 12-002, Computer Specialist, DS-334-1, Code 125** - This position is located in the Weapons Systems Cost Analysis Division, Weapons Planning Group. The incumbent provides computer support to the division in the areas of the Weapons Systems Cost Analysis Division Data Bank, assisting analyst with existing computer based cost models and commercial software, and writes and runs computer programs for Senior Analysts in the course of ongoing projects. The incumbent also serves as the second backup for the HP-1000 System Manager which includes performing routine procedures such as boot up, creating the weekly backup on tape, and providing computer support to Cost Analysts. **Job Relevant Criteria:** Knowledge of data base management systems, FORTRAN and BASIC computer languages; knowledge of library cataloging, storage and retrieval systems and the HP 1000 computer system at the system manager level desirable but not absolutely necessary; ability to communicate effectively both orally and in writing for developing and maintaining sources of data and providing instruction to new system users of the software noted above. Promotion potential to DS-2.

**No. 25-017, Purchasing Agent, GS-1105-4/5/6, Codes 25221, 25222, 25223, Multiple Vacancies** - Incumbent is responsible for performing basic purchasing agent functions, (e.g., places orders with vendors, issues RFQs, modifies existing orders, drafts documents) with the assistance of an experienced buyer

at the lower level. **Job Relevant Criteria:** Knowledge of small purchase procedures; knowledge of automated management information systems (OASIS); ability to deal effectively with others; ability to work under pressure. Promotion potential to GS-6; however, it is not guaranteed.

**No. 25-016, Lead Purchasing Agent, GS-1105-7/8, Code 2522** - Located in Small Purchase Branch. Responsible for providing training and guidance to purchasing agents in the section and insuring that proper policies and procedures are utilized. Assists management in planning assignments, improving work flow and services rendered, promoting job satisfaction and increasing productivity. Functions as a contracting/ordering officer appointed in accordance with procedures in NAVSUP 56.0. Expected to be forward thinking and service oriented in exercising all responsibilities and facilitate close liaison with the codes supported by the section. **Job Relevant Criteria:** Knowledge of DOD small purchase procedures; knowledge of negotiation techniques; knowledge of methods and requirements for price analysis; ability to deal effectively with personnel of all levels; ability to utilize computer terminals and management information systems. Promotion potential to GS-8; however, it is not guaranteed.

**No. 26-026, Quality Assurance Specialist, DS-1910-1/2, Code 2671** - Contracts Operations Branch,

Quality Control and Assurance Division, Public Works. The incumbent's duties include, but are not limited to, the implementation, development, and the application of quality assurance and quality control practices, methods, principles, techniques and disciplines to Maintenance Service Contracts for NWC. The incumbent is responsible for revising QA Plans to correspond with contract modifications, performs random sampling selection procedures, maintains contracts documents to reflect contract changes, and prepare correspondence in regards to contractor performance. **Job Relevant Criteria:** Knowledge of Quality Assurance practices utilized in Maintenance Service contracts; ability to communicate effectively orally and in writing; ability to plan, coordinate, and implement Quality Assurance plans relating to Maintenance Service contracts. Promotion potential to DS-2.

**No. 26-027, Electrician Leader, WL-2805-10, Code 26424** - Position is located in the Service Shop, Maintenance Branch. The incumbent will work directly with and lead 5 to 10 journeyman and / or helpers in a variety of work operations. **Job Relevant Criteria:** Applied knowledge of the trade; knowledge of pertinent materials; knowledge of pertinent tools and equipment; ability to act as a group leader; ability to interpret instructions, specifications, blueprints, etc. Supplemental is required.

**No. 31-043, Clerk-Typist, GS-322-3/4, Code 3103** - Incumbent is responsible for providing clerical support in the form of typing, filing, compiling data, maintaining logs and performing follow-up action on a wide variety of items. Position requires frequent personal and telephone contacts with individuals at all levels. **Job Relevant Criteria:** Ability to use tact and diplomacy in dealing with both on-center and off-center personnel; knowledge of basic clerical procedures and correspondence. Promotion potential to GS-4.

**No. 32-255, Program Analyst, DA-345-2, Code 3207** - This position is located in the Laser Guided Training Round (LTGR) Program Office, Code 3207, Ordnance Systems Department. The incumbent will provide staff service to the program manager and other program personnel as necessary. Duties include: Proposes, coordinates, plans, and prepares program budgets, work unit plans, and proposed development or product improvement plans. Plans, coordinates, schedules, and monitors specific program tasks, such as foreign military sales (FMS) and government furnished material (GFM). Prepares short and long range fi-

nanial plans, life cycle cost studies, and design to cost studies. Analyzes impact of changes and deviations from plans and schedules. Is responsible for accomplishment of all administrative tasks connected with financial management, contract administration, acquisitions, personnel, equipment control, security, safety, and facilities. **Job Relevant Criteria:** Knowledge of Navy budget and financial accounting systems; ability to collect and analyze data; knowledge of Navy funding process; ability to communicate orally and in writing. Promotion potential to DA-3.

**No. 34-006, Technical Publications Writer/Editor (PS&E), DA-1083-1, Code 3464** - This position is located in the Technical Information Department, Field Service Division, Field Branch 4, located at the Air Field. The incumbent is responsible for writing and editing technical publications, supporting department technical programs, and planning and preparing documentation in support of major programs. The incumbent works closely with engineers and program managers to identify publications requirements and produce technical reports and documentation in support of RDT&E programs. **Job Relevant Criteria:** Knowledge of publishing techniques and grammar; ability to write and edit technical material using specialized skills; ability to work with civilian and military customers; ability to communicate effectively both orally and in writing. Promotion to DA-3, but not guaranteed.

**No. 62-032, Electronics Technician, DT-856-2/3, Code 62313** - This position is located in the Electro-Optical Branch of the Range Department. The incumbent operates, maintains and provides limited design and development of highly specialized optical, electronic, and laser devices and equipment to gather test data for NAVWPNCEN ranges. **Job Relevant Criteria:** Knowledge of current field instrumentation technology; ability to use photo-optical and electro-optical equipment such as optical tracking systems and specialized shuttered video cameras. Promotion potential to DT-3. Status eligibles may apply.

**No. 62-033, Supervisory Electronics Technician, DT-856-3, Code 62513** - This position is that of section head for the Airspace Surveillance Center, Computer Systems Branch, Data Systems Division, Range Department. This center provides necessary flight test safety and security for the NWC range airspace and surrounding areas. The incumbent will be responsible to supervise the maintenance and operations of the MT-DARC real time radar data processing system. **Job Relevant Criteria:**

## TSP Open Season started May 15

Another Thrift Savings Plan (TSP) Open Season started May 15 and will continue until July 31.

During the open season, you have the opportunity to change your current enrollment, or make an initial participation election. Election forms processed by July 3 will be effective the first pay period in July, which is July 5. Enrollments received on or after July 5 will be effective the beginning of the following pay period.

If you want to change your current enrollment election or begin participation in the Thrift Savings Plan, contact your PMA to schedule a time to come into Personnel and complete your election form.

New TSP booklets have been distributed to all employees. If you have not received a copy of this booklet, contact your division office.

If you have any questions, call your PMA or call Virginia Spille, NWC ext. 2592.

Knowledge of maintenance and operation procedures relating to the Air Surveillance Center; knowledge of policy and procedures involving airspace safety and intrusion; ability to maintain the hardware/software configuration management scheme currently implemented in the Air Surveillance Center; knowledge of and willingness to support NWC EEO policies and procedures. A one year supervisory probationary period may be required. Promotion potential to DT-3.

**No. 62-034, Supervisory Flight Test Specialist, DS-301-3, Code 62513** - This position is that of section head for the Airspace Surveillance Center, Computer Systems Branch, Data Systems Division, Range Department. This center provides necessary flight test safety and security for the NWC range airspace and surrounding areas. The incumbent will be responsible to supervise the maintenance and operations of the MT-DARC real time radar data processing system. **Job Relevant Criteria:** Knowledge of maintenance and operation procedures relating to the Air Surveillance Center; knowledge of policy and procedures involving airspace safety and intrusion; ability to maintain the hardware/software configuration management scheme currently implemented in the Air Surveillance Center; knowledge of and willingness to support NWC EEO policies and procedures. A one year supervisory probationary period may be required. Promotion potential to DS-3.

**No. 62-035, Ordnance Equipment Mechanic (Worker), WG-6641-8, Code 6211** - This position is located in the Test Engineering Section of the Ballistics Test Branch with the Range Department. The incumbent will be responsible for the maintenance of hydraulic,

pneumatic, electrical and automotive equipment necessary for the movement and handling of Fleet Ballistics Missiles (FBM) and related ballistics test hardware. Responsible for setup and modification of equipment before, during and after missile movements. **Job Relevant Criteria:** Ability to do the work of the position without more than normal supervision; knowledge of equipment assembly, installation, repair, etc.; ability to use and maintain tools and equipment; ability to use measuring instruments appropriate to the line of work; ability to interpret instructions, specifications, etc.; ability to do the theoretical, precise work of the trade. Ability to be licensed for forklifts and trucks with trailer operation is desirable. A supplemental is required and may be obtained in Room 100 of the Personnel Building. Promotion potential to WG-10.

**No. 64-182, Supervisory Electronics Technician, DT/DP-856-3, Code 64241** - This position is head of the Test Support Section, Telemetry Systems Branch, Aerosystems Department. This section is responsible for the coordination and accomplishment of missile/telemetry integration, checkout and calibration for flight tests. The section also develops, designs and qualifies test equipment for telemetry components, signal conditioners and telemetry systems. The incumbent provides overall direction, coordination and management of the section activities as well as administrative tasks. **Job Relevant Criteria:** Ability to communicate effectively at all levels both orally and in writing; knowledge of and willingness to support NWC EEO policies and procedures. A background in electronics systems testing is desirable. A one year supervisory probationary period may be required. Promotion potential to DP-3, but not guaranteed.

## Reassignment opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All 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. 33-012, Interdisciplinary (Electronics / Industrial Engineer/Physicist), DP-855/896/1310-1/2/3, Code 3337, (3 vacancies)** - These positions are located in the Short Range Fuze Branch, which is involved in the design, development and production support of proximity fuzes principally using active optical and passive optical technologies in the development cycle. This branch is hardware-oriented and tasks routinely include work with digital and analog circuitry development, optical subsystems development, laboratory and field testing to include captive flight testing, performing feasibility investigations and contract management in support of tasks goals. The incumbent will perform duties as part of a team supporting programs in the branch, which includes development of, production support of, and advanced fuzing studies of target detection devices for SIDEWINDER, RAM and SIDEARM. Promotion potential to DP-3. Please send SF-171 to Jerry

Mumford, Code 33306, NWC ext. 2856.

**No. 33-014, Electronics Engineer, DP-855-2/3, Code 3384** - This position is located in the Weapons Survivability Laboratory (WSL) of the Survivability and Lethality Division, Fuze and Sensors Department. The WSL conducts tests of aircraft and weapons systems for survivability in combat environments. The incumbent will be responsible for the instrumentation of test articles and the acquisitions and reduction of test data. Secondary duties involve the design, fabrication, planning, procurement, installation and check-out of new facilities and data acquisition systems. Knowledge of equipment, micro-computers, basic and assembly language programming, and aircraft systems is desirable. The ability to organize and prioritize tasks and to communicate effectively both orally and in writing is required. To apply, submit current SF-171 to Dennis Sorges, Code 3384, NWC ext. 6401.

## 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. 00-004, Secretary (Typing), GS-318-5/6, Code 03A3** - This position provides secretarial and administrative support to the Marine Corps and Air Force Liaison Office as well as support to the Deputy Technical Director's Office. Knowledge of the Xerox 8010 (Star) is desirable. Promotion potential to GS-6. Status eligibles may apply.

**No. 31-032, Secretary (Typing), GS-318-4/5, Code 3151** - This position is that of secretary to Head, Laser Systems Branch. Administrative support, clerical and typing is provided to engineers and physicists of the branch. Promotion potential to GS-5.

**No. 31-042, Secretary (Typing), GS-318-5, Code 3143** - This position provides secretarial and administrative support to the Test Engineering Branch. Knowledge of PC and Wordstar word processing software is desirable. Promotion potential to GS-5.

**No. 33-013, Secretary (Typing),**

**GS-318-5/6, Code 333** - This position provides secretarial support to the Head, Fuze Systems Division, with the additional duty of directing and providing backup support to the division's two project offices and five branches. Status eligibles may apply. Promotion potential to GS-6.

**No. 62-030, Secretary (Typing), GS-318-5/6, Code 62C** - Incumbent provides secretarial and administrative support to the Head, Projects Office. Position involves considerable interaction with all levels of management and off-center officials. Knowledge of the Xerox 860 is desirable. Promotion potential to GS-6. Previous applicants need not apply.

**No. 64-181, Secretary (Typing), GS-318-5/6, Code 644** - Provides secretarial and administrative support to the head of the EWTES Division and Code 644 staff. Knowledge of Xerox Star desirable. First-Forty work schedule (0630-1630). 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 appropriated 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. 22-8722, Recreation Specialist, UA-0188-5, \$14,822 Per Annum, Permanent Full-Time, Code 2227** - Incumbent will prepare plans for Youth Sports and Aquatics; prepare budget; instruct youth in a variety of sports and aquatic activities. Schedules, publicizes and implements tournaments, clinics and swim events. Supervises the operation of swimming pools, coordinates life-guard schedules and helps evaluate programs. **Job Relevant Criteria:** A four year course in an accredited college with a major in Physical Education or Recreation with a sports or aquatics background or four years experience in recreation. Must possess a current First Aid and CPR instructor and WSI certificate. (May be obtained within one year from hire.)

**No. 22-8723, Lead Recreation Assistant (Sports), PS-0189-07, \$5.75 per hour, Temporary Full-Time not to exceed 9-4-87, Code 2227** - Incumbent prepares plans for Youth Sports and summer activities; instructs youth in a variety of sports; assists

with the conducting of leagues. Incumbent supervises and trains staff on policies and procedures; inventories and orders supplies for youth programs. **Job Relevant Criteria:** Knowledge of sports and recreation needs of young people ages 6-18; knowledge of training techniques, personnel procedures and regulations. Must have three years recreation experience which demonstrates: (1) an understanding of the goals, principles, methods and techniques of recreation; and (2) an understanding of the interests and motivations of individuals and groups. This work is mostly active, some walking, bending and lifting of children not exceeding 40 pounds is required.

**No. 22-8724, Recreation Assistant, PS-0189-06, \$5.49 per hour, Permanent Full-Time, Code 2226** - Incumbent will assist with the organization and administration of adult programs at the gymnasium complex; outdoor recreation facilities; tennis courts; and intramural/intermural sports programs. Must have a knowledge of athletic/recreational activities, programs and the procedures for conduction same.



## Personnel Development Opportunities

### TECHNIQUES OF EFFECTIVE LISTENING FOR SUPPORT PERSONNEL

**July 27; Monday; 0800-1600; Training Center. By Bert Barer.**  
Scope: Provides administrative and clerical support personnel with the skills and principles of effective listening. Examines how we retain and understand information by our ability to listen "actively."  
Topics include organizing "straight" data and drawing inference from that data; managing confrontation; giving reflective feedback; clarifying the message, blocking out competing messages; handling phone conversations by actively listening to voice inflection.  
Deadline: July 13.

### FUNCTIONING EFFECTIVELY ON THE JOB

**July 22 and 23; Wednesday and Thursday; 0800-1600; Training Center. By Marian King-Droppis.**  
Objectives: In this course you should learn to define responsibilities; get the most important things done first; get things done right the first time; delegate effectively; handle "time wasters;" manage high-pressure situations; and analyze job related stress. The workshop also uses individual and group exercises, guidelines, and instruction to teach participants how to use guide letters to save time; punctuate letters, memos, and documents accurately and consistently; and produce documents that are grammatically accurate.  
Deadline: July 8.

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

### SELF-STUDY

#### FERS/CSRS RETIREMENT SYSTEM ANALYSIS PACKAGE (IBM-PC DISK AND FORMS)

The Training Center has the IBM-PC disk and Federal Retirement Benefit Analysis forms. You can use these items to input your personal employment data for a side-by-side comparison of the Federal Employees Retirement System (FERS)/Civil Service Retirement System (CSRS) to find which system best meets your needs. Employees covered under CSRS will have an opportunity to transfer to FERS from July 1 through December 31.

To check out this package, call the Learning Center, NWC ext. 2451.

#### ACHIEVING EXCELLENCE (2 hours)

Scope: Topics include creating quality -- the surprising way excellent managers handle details; productivity through people -- the power of positive expectations and how to create them daily; making things happen -- why and how to promote internal competition; and achieving personal excellence -- in pursuit of peak performance, three common threads.

Method: VHS  
Source: Training Center  
Enrollment Form: None

#### HOW TO SPEAK UP, SET LIMITS, AND SAY NO (WITHOUT LOSING YOUR JOB OR YOUR FRIENDS) (6 hours)

Scope: Topics include how to find the balance between standing firm and giving in; what to do if someone takes credit for your work; what to do when you're being ignored; a polite, yet no-nonsense way to handle people who constantly barge in and interrupt your work and concentration; and how to let go with dignity when you're in a hopeless situation.

Method: Audiocassette  
Source: Training Center  
Enrollment Form: 12410/73

#### POWER MEMORY (TECHNIQUES FOR TOTAL RECALL) (16 hours)

Scope: This proven program for improving your memory is designed so that you will be able to quickly master techniques such as chaining, number/letter, advanced keyword, and left brain/right brain.

Method: Audiocassette  
Source: Training Center  
Enrollment Form: 12410/73

#### HOW TO LISTEN POWERFULLY (4 hours)

Scope: This class is designed for people in business. The tape teaches you tools and techniques to use when facing conflict, participating in meetings, giving and getting instructions, and making agreements. Topics include communicating clearly with fewer mistakes; using the telephone to its greatest advantage; increasing your memory for facts and names; listening in a way that builds trust and cooperation; and perceiving the whole message and the real meaning.

Method: Audiocassette  
Source: Training Center  
Enrollment Form: 12410/73

#### GOALS (SETTING AND ACHIEVING THEM ON SCHEDULE) (2 hours)

Scope: To get ahead, you have to have goals. Zig Ziglar is a master at telling audiences how to set them, how to achieve them, and how to enjoy their benefits. Topics include the seven steps to goal-setting used by the top 3% of the population; who to share your goals with, and who to shield them from; how to tell if you're serious about a goal; and the role of a winning attitude in the lives of 1000 executives, as documented in a recent survey.

Method: VHS  
Source: Training Center  
Enrollment Form: None

#### THE SPEAKER'S SURVIVAL KIT (3 hours)

Scope: This is a new and unique self-help tool for people who want to improve their speaking skills. This kit is the result of 22 years of research and experience in helping people from all walks of life. The kit consists of cassettes, learning cards, and a "last minute checklist" mirror.

Method: Audiocassette  
Source: Training Center  
Enrollment Form: 12410/73

#### SUCCESS SHORTCUTS (25 CAREER SKILLS YOU WERE NEVER TAUGHT BUT MUST KNOW)

Scope: Topics include self-esteem and goal setting; making things happen and getting more done; anti-procrastination and concentration skills; effective meetings and using dictation; writing clearly and reading faster; listening aggressively and having better ideas; selling yourself and making presentations; making good decisions quickly and staying cool under pressure; overcoming conflict and negotiating better deals; delegation and leadership; managing stress and building visibility; and seminars, networking, and getting a raise.

#### WINNING WITH WORDS (12 hours)

Scope: You will learn a wide range of words and how to use them correctly. You will reduce the risk of fumbling for words, using them incorrectly, or failing to understand others. Word by word, you will come to possess the vocabulary you need.

Method: Audiocassette  
Source: Training Center  
Enrollment Form: 12410/73

#### STRESS MANAGEMENT FOR PROFESSIONALS (HOW TO FEEL BETTER AND PERFORM BETTER ON THE JOB) (4 hours)

Scope: Topics include the six elements of less-stress living and how to put them to work in your life; what you don't know that hurts you; how to handle the stress of conflict and difficult people; how to bring balance into your life; and the concrete techniques of stress management.

Method: Audiocassette  
Source: Training Center  
Enrollment Form: 12410/73

#### RELATIONSHIP STRATEGIES (HOW TO DEAL WITH THE DIFFERENCES IN PEOPLE) (18 hours)

This program is designed as a simple tool which can be used easily and applied readily to improve business and interpersonal relationships. It is not designed as an in-depth psychological examination of human behavior, but rather as a simple way of observing and understanding the differences in people through their behavior.

Method: Audiocassette  
Source: Training Center  
Enrollment Form: 12410/73

## Approval granted -- external degree program in electrical engineering now available at NWC

Approval by the State of California has been received for the Naval Weapons Center to establish an external degree program with California State University Northridge that will lead to a bachelor's degree in electrical engineering.

Formal entry into the program is set for fall 1987, but those who have already begun classes that apply towards this curriculum will receive credit for those classes.

According to Dr. Steve Lee of the Training Center, top management at NWC has already approved the Center's entering into such a program, and 125 Center personnel have indicated an interest in working towards a bachelor's degree in electrical engineering.

"We're very excited about being able to train electrical engineers at China Lake," says Dr. Lee. "The largest single technical group that we've hired for a number of years has been electrical engineers and the need for these will continue. By allowing our own personnel to qualify in this highly technical field, we've both broadened their opportunities and helped ensure that we'll have the technical talent pool that we need to get the Center's mission accomplished."

There are three schools involved in the program. Cerro Coso Community College will offer the first two years of pre-engineering education. This includes specified courses in mathematics, engineering and science as well as those required for general studies. All of these courses are already in place, says Dr. Lee.

In addition, several of the courses will be offered through California State College Bakersfield's external degree program at NWC.

The remaining classes will be taught through Northridge, both by instructors from the Northridge campus and NWC personnel who qualify to teach university-level classes.

One of the problems, says Dr. Lee, was in establishing that the necessary classroom laboratories would be available for students. The majority of the laboratory classes will be taught at the Cerro Coso Campus utilizing the Electronic Technology laboratory facilities. One of the laboratory classes has used the materials laboratory on board the Center itself.

"We determined that such a program might be possible," says Dr. Lee, "when we were trying to establish the background courses for those who were seeking a graduate degree in electrical and electronics engineering after having completed undergraduate majors in related fields. On looking at what course work was already offered, we found that to add this new program we only had to offer a very few additional classes."

Those who are interested in entering the bachelor's degree program should get in touch with Dr. Lee to see what the requirements are and how much of that requirement they may already have met. He can be reached at NWC ext. 2468.