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NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLIII, No. 29/August 5, 1988

Tradition

Marine Aviation Detachment observes first command change

With the formal passing of the colors last Friday, Col. Barry V. Banks assumed command of the Marine Aviation Detachment (MAD), China Lake. Col. Roy T. Edwards ended a three-year tour of duty as Marine Corps Liaison Officer to the Naval Weapons Center (NWC) and first commanding officer of MAD.

Colonel Banks reported to China Lake from duty as chief of staff for the 5th Marine Expeditionary Brigade. Previous assignments included serving as commanding officer of VMFA-232 and operations officer for Marine Air Group 24.

A 1964 graduate of the U.S. Naval Academy, Col. Banks was designated a Naval Aviator in 1966 and was assigned to VMFA-212. During a 13-month tour with the 1st Marine Air Wing, he flew more than 375 combat missions in Southeast Asia in four different types of aircraft.

The new commanding officer has completed Test Pilot School at the Naval Training Center, Patuxent River, Md., and the Marine Corps Command and Staff College. He also man-

aged the F/A-18 Hornet Full-Scale Development Program at Patuxent River, becoming one of the first 100 pilots to fly the F-14 Tomcat and the F/A-18 Hornet.

"This is a very important day for MAD," commented Col. Banks during his brief remarks. The unit, officially formed earlier this year, celebrated its first change of command. He also thanked Marines from the Marine Corps Logistics Center in Barstow for their assistance in forming the parade to make the traditional Marine parade and change of command possible.

Col. Edwards, who is departing China Lake for Camp Pendleton, said he had enjoyed his tour here. "I have the deepest respect for the people who work at the Naval Weapons Center," commented Col. Edwards.

Personal decorations for Col. Banks include the Distinguished Flying Cross, Air Medal with 26 shrike/flight awards and the Navy Commendation Medal.

Col. Banks and his wife, the former Judy Cartwright, reside on-board NWC.

LCdr. Graves saluted for technical ability

Last week, LCdr. Ronald M. Graves, manager, NATO Anti-Air Warfare System (NAAWS) project, received the Laboratory Director's Technical Officer Award from William B. Porter, laboratory director. The award was established in 1983 in order to yearly recognize the most outstanding military technical officer assigned to the Laboratory Directorate.

Graves came to the Naval Weapons Center (NWC) in May 1987 and within a few weeks was assigned deputy project manager for NAAWS. In January 1988, he was appointed project manager.

The nomination letter for Graves' award read in part, "The NATO Anti-Air Warfare System Program is an important new initiative by the U.S. Navy in concert with five NATO nations. The objective of the program is to develop a new, highly effective, local area defense system that will

rival the Aegis system in sophistication and firepower. It is, obviously, an important program to NWC, as well. To place a recently arrived Naval officer into such a critical position was not a decision made lightly and is truly a reflection of the confidence placed in LCdr. Graves by this Center."

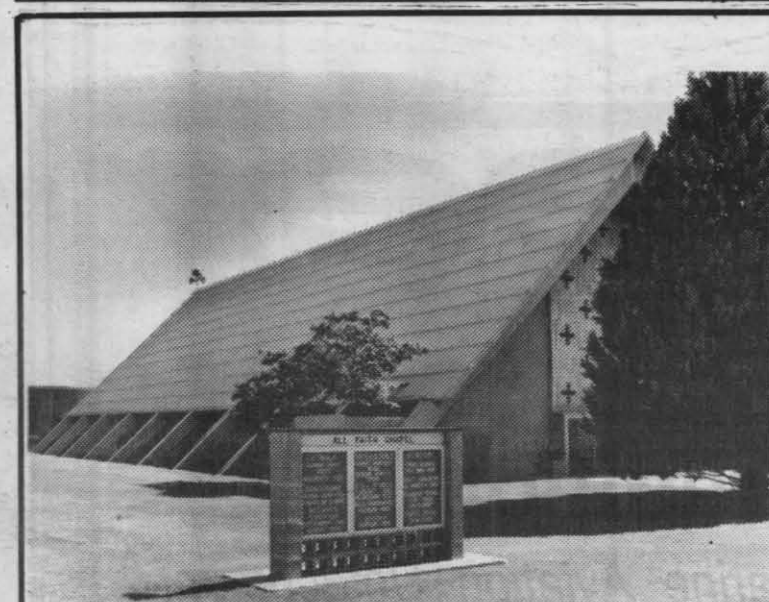
The confidence the Center placed in Graves has been justified. He was instrumental in NWC being the Missile Design Agent for NAAWS, designating the Center the primary leader in defining what missile will be used for the project. Under his direction, NWC's technical team has parametrically defined the performance characteristics of all candidate concept missiles, including seeker performance.

After receiving the award, Graves commented, "It is quite an honor and totally unexpected. I have a lot of local area defense system that will

(Continued on Page 3)



CHANGE— Col. Barry V. Banks, USMC, takes the unit colors from Col. Roy T. Edwards, USMC, and assumes command of the China Lake Marine Aviation Detachment. The ceremony was held in the NWC Gym last Friday. Photo by PHAN, Cary Brady



Divine Services

Protestant	
Sunday Worship Service	10:30 a.m.
Sunday School (September thru June)	9:00 a.m.
Bible Study (East Wing)	
Wednesday 11:30 a.m. (September thru June)	
Thursday 6:15 a.m. Men's Prayer Breakfast	
7:00 p.m. Officers' 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 (Tues.-Fri.)	anytime by appt.
Confession (Sunday)	8:15-8:45 a.m.
Religious Education Classes (Sunday)	10:30 a.m.
(September thru May)	
Jewish	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday in Annex 4)	9:00-10:00 a.m.
Sabbath School (Annex 4)	1:00-4:00 p.m.

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Technical Director — GERALD SCHIEFER Associate Editor — DIANE CAMPBELL
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NWC's Wellness Corner

Some tips to evaluate a new diet

Correction: Last week's article on leaving your child in the car while running a quick errand was not written by Betty Miller. The author chooses to remain anonymous.

###

The Wellness Program Office is now located in the Personnel Building, Room 216. Betty Miller's extension is 3162; her E-Mail address is SEF::MILLERB.

###

Following are some suggestions from the Wellness Letter, University of California, Berkeley, for judging a diet plan:

Pass up any diet plan that

1. Emphasizes a particular food (for instance, grapefruit, wheat germ, or yogurt) above all others.

2. Uses fanciful theories to explain how a combination of certain foods (such as fruits and grains only) can improve your health and lead to weight loss. Food-combining theories have been around for a long time and have never been shown to promote weight loss — unless the menus

they suggest happen to be low in calories.

3. Omits one food group or major nutrient, such as carbohydrates. To stay healthy, you need to choose foods that supply all nutrients. The once-fashionable high-protein, low-carbohydrate diets may initially lead to rapid weight loss, but it comes mostly from water loss, followed by loss of muscle tissue, rather than fat. These diets are also high in fat.

4. Recommends a total daily intake of less than 1,200 calories, unless you're under medical supervision. Besides being hard to follow, minimalist diets don't ensure you of proper nutrition.

5. Tells you to take megadoses of vitamin and mineral supplements to make up for losses in foods. Be especially suspicious if "special formula" supplements are sold along with the plan.

Look instead for a diet program that

1. Relies on low-calorie foods that are high in nutrients — particularly fruits, vegetables and whole grains.

2. Offers variety so that you don't get bored.

3. Fits the way you live. Allowance should be made — and advice given — for people on the go or those who are not expert cooks.

4. Emphasizes slow weight loss and long-term change of eating habits. It shouldn't promise weight loss exceeding two pounds weekly.

5. Offers instruction in the principles of nutrition in addition to daily menus and charts. If the diet is successful, the day will come when you won't need to "plan" anymore.

6. Has been designed, or at least carefully reviewed, by someone with good credentials in nutrition — for instance, someone with a degree in nutrition, dietetics or a related academic discipline from an accredited college or university.

7. Offers strict medical care by a trained nutritionist or physician if you opt for a rigorous formula or special diet. Make sure the person who developed it is well qualified.

Submitted by Betty Miller
Wellness Program Coordinator



Prudential-Bache

Securities

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Movies Radar

FRIDAY		AUG. 5
"LIKE FATHER, LIKE SON"		
Starring		
Dudley Moore and Kirk Cameron		
(Comedy, rated PG-13, 99 min.)		
SAT.-SUN.		AUG. 6-7
"IRONWEED"		
Starring		
Jack Nicholson and Meryl Streep		
(Drama, rated R, 143 min.)		
TUES.		AUG. 9
MATINEE		
"SONG OF THE SOUTH"		
Starring		
Ruth Warrick and Bobby Driscoll		
(Animated, rated G, 95 min.)		
WED.		AUG. 10
"BEETLEJUICE"		
Starring		
Michael Keaton and Geena Davis		
(Comedy, rated PG, 92 min.)		
THURS.		AUG. 11
MATINEE		
"GREMLINS"		
Starring		
Zack Galligan, Phoebe Cates and Hoyt Axton		
(Fantasy, rated PG, 107 min.)		
FRI.		AUG. 12
"STAND AND DELIVER"		
Starring		
Edward James Olmos and Lou Diamond Phillips		
(Drama, rated PG, 103 min.)		

Starting Times: Matinee / 2:00 pm Evening / 7:00 pm
Box Office Opens: Matinee / 1:30 pm Evening / 6:30 pm

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



	Max	Min	Gusts
Thurs.	110	82	16 knots
Fri.	114	78	16 knots
Sat.	111	75	22 knots
Sun.	103	75	12 knots
Mon.	109	75	29 knots
Tues.	106	75	22 knots
Wed.	106	75	22 knots

All measurements are made at
Amritage Airfield.

CLPD announces concentration areas for traffic enforcement

James Adams, head of the China Lake Police Department's Operations Branch reminds motorists onboard the Naval Weapons Center (NWC) that CLPD officers enforce state and NWC traffic regulations.

The areas of concentration for radar traffic enforcement for the next week are as follows:

- Monday—Sandquist and N. Lauritsen
- Tuesday—S. Knox and Burroughs
- Wednesday—Blandy and S. Lauritsen
- Thursday—Blue Ridge and Inyokem Rd.
- Friday—Sandquist and S. Lauritsen.

While these are areas of concentration, radar is used for enforcement in all areas of the Center. Adams notes CLPD units use a radar system capable of recording speed whether the police vehicle is moving or stopped.

Forest restriction rule is expanded

Extreme temperatures, dry fuels and an almost constant draw down of suppression forces has prompted forest officials to invoke additional fire restrictions on the Sequoia and Sierra National Forests effective last Thursday.

Stage II restrictions will apply to the high and moderate hazard areas of both forests. Stage I restrictions will be in effect on the Kern Plateau area of the Sequoia Forest.

Under Stage II fire restrictions, the use of campfires and portable stoves is limited to campgrounds and posted fire-safe areas. The use of internal combustion engines, including chain

saws, is prohibited off of roads. Welding and blasting is allowed only with a special permit.

The Stage I restrictions on the Kern Plateau allow liquid or gas stoves outside of campgrounds, prohibit smoking except in closed vehicles or in campgrounds, and require permits for welding or blasting.

With these additional restrictions, virtually all of both the Sequoia and Sierra National Forests will be under special fire restrictions. Maps of the restricted areas along with other information is available free at all ranger stations at both forests.



Next Friday, Aug. 12, is the day Engineering Department employees get to dunk their favorite division or branch head at the Code 36 picnic. Set for the Top Four Club starting at 4:30 p.m., the evening includes dinner, swimming and a volleyball tourney. To sign up for volleyball, call one of the division representatives listed below: 360, Bonnie Jones, ext. 1011; 362, Joan Battaglia, ext. 3616; 364, Leta Darcey, ext. 2427; 365, Torrie Donahue, ext. 1902; 366, Kathy Watkins, ext. 3441, X247; and 368, Nancy Means, 1767.

###

Homemade ice cream, pies and cakes will be offered at the annual ice cream social at the United Methodist Church, 639 N. Norma Street in Ridgecrest on Wednesday, August 10, from 6 to 8 p.m. Prices are \$2 for adults and \$1 for children under ten years. Second helpings can be had for only \$1. These prices also include lemonade, iced tea or coffee.

###

There will be a rummage sale at 1010 Blandy (across the street from the All Faith Chapel) on August 6 from 9 a.m. to 1 p.m. All proceeds from the sale will be used to support Cub Scout Pack #341

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Water, don't forget it!

WASHINGTON (NES). . . One of the most conspicuous characteristics of the '80s health and fitness boom is a seemingly endless procession of nutritional aids, diet breakthroughs and other innovations promising instant relief from what ails us, a speedy return to the fountain of youth and a beautiful body.

But mountains of vitamins, organic health foods, fiber and protein supplements, skin creams and magic weight loss formulas, helpful as they may be, pale into insignificance when compared with the number one ingredient of good health. Unfortunately for advertising and promotional types, it's as cheap and common as water—because that's what it is.

Though not included on the Federal Drug Administration's list of daily nutritional requirements, water is, by far, the single most important substance we consume. The human body is capable of surviving weeks and even months without all other nutrients, but mere days without any source of "sister water," as St. Francis called it, will lead the same body to a rendezvous with his better-known colleague, St. Peter. Raymond Furon, in his 1963 book, *The Problem of Water*, expressed it succinctly: "Living creatures cannot survive without water. The dehydration tolerance varies with the species and between indi-

viduals within a species, but the rule remains absolute."

Almost everyone is aware that their well-being is to some extent dependent on water, but many people have no idea just how much water their bodies need to function properly. The average adult woman's body is 55 to 65 percent water; a man's, 65 to 75 percent. The higher proportion of fat in a woman's body accounts for the difference; fat holds less water than muscle.

Nutrition experts advise normal, healthy adults to drink at least six to eight cups of water daily. Babies, who are 75 to 85 percent water at birth, need proportionately more than adults and should be given water between feedings, especially during hot weather.

Prolonged heavy exercise, particularly in hot weather, can produce dehydration and heatstroke if liquids are not taken in great volume to replace vital body fluids. Four quarts or more of body water can be lost during one workout.

Sports medicine professionals have found that the thirst mechanism is an unreliable signal because it usually shuts down before adequate liquid intake has been achieved, and they recommend "forcing liquids" when sweating profusely. To determine how much to drink, weigh yourself

before exercising and drink enough afterward to bring your weight back to its pre-workout level.

Experts agree that cold water is the best liquid to drink whenever you're overheated. Cold liquids cool you from within by absorbing core heat as they adjust to body temperature. They leave the stomach faster and reach the bloodstream quicker than warm liquids, thus countering dehydration faster.

Any sweet drinks should be avoided after exercise and kept to a minimum at other times. Sugar slows the absorption of water into the bloodstream, drawing water from body tissues into the stomach for dilution. Alcoholic and caffeinated drinks act as diuretics, increasing water loss through urination. Drinks such as milk, sugar-sweetened soft drinks and salty juices should be considered more as food than drink since they increase the body's water needs.

Maintaining proper hydration should be our top health priority, and water is nature's answer. In addition to the plethora of physical benefits available through a movement toward water and away from less efficient forms of liquid intake, we also save the money formerly spent on various unnecessary beverages.

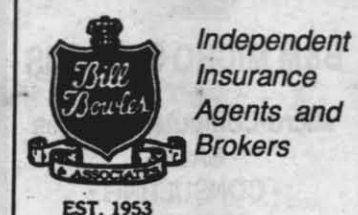
Drinking more water will not only make us healthier but wealthier besides, and you can't beat the price.

Name changes?

Brides who will be using their husband's name, along with anyone else who has had a recent name change, should contact the Ridgecrest Social Security office to arrange to have their name changed in Social Security records and to apply for a new Social Security card showing their new name noted John Powers, Social Security resident representative in Ridgecrest.

There is no charge for this service. Although the name may be changed, the Social Security number will remain the same.

Evidence of identity showing both the person's old and new names will be required. Only original documents or copies certified by the issuing agency are acceptable. Uncertified photocopies are not acceptable.



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The Skipper Sez...

I want to add another dimension to the Skipper Sez column by asking you to leave your name and telephone extension. Here is why: If you want an answer or resolution of your issue without waiting for this column, I could do that if I had your name and extension. Some of the inquiries are such that my time would be better utilized if I called you with a reply. Also, your questions could be clarified. I don't want to discourage the anonymity of calling Skipper Sez—important issues have been raised and solved through this mechanism. However, if you just need information vice problem investigation, I can probably answer your question with a telephone call.

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



BJORKLUND AWARD—LCdr. Dorothy Michael receives the certificate for the R.W. Bjorklund Award for Management Innovation from Ross Clayton.

VA provides the final benefits

Death can be very trying and expensive for a family. When a veteran dies, the Veterans Administration provides some benefits that may make it easier—at least financially—on the survivors.

Here are the Veterans Administration burial benefits:

•An allowance of \$300 for a basic plot or interment. If a veteran is buried in a private cemetery, up to \$150 may be added to this amount. If the veteran's death is service-related, the VA can pay up to \$1,100 toward burial.

•Interment in national cemeteries. VA national cemeteries are located throughout the United States. Burial is also available for the veteran's spouse, unmarried widow/widower, minor children and, under certain conditions, unmarried adult children.

•Headstones or grave markers. The markers are available for both private and national cemeteries. The family must pay the cost of placing the gravestone in a private cemetery. If the family wants a non-government grave marker, the VA will pay the

family what a gravestone would have cost (currently \$78).

•Memorial markers for those veterans whose remains have not been recovered, were buried at sea or were cremated and the ashes scattered without interment.

•Burial flags. The VA issued more than 350,000 American flags for burial or memorial purposes in 1987. In fact, those flags were recently put to further use. Many cemeteries and other VA facilities have set up The Avenue of Flags Program.

Graves honored

(Continued from Page 1)

good people working with me who should get the credit. What we've accomplished is due to their good efforts."

He went on to say, "I'm happy here at China Lake, but I wasn't sure what I'd find when I arrived. I came from an outstanding ship, the USS Anchorage, with an outstanding crew. The ship did everything, and we won a lot of PAC fleet awards. The people here are outstanding, too, and I'm happy to be working with them."



LAB HONOR—LCdr. Ron Graves receives the NWC Laboratory Director's Technical Officer's Award from Bill Porter.

Exceptional record brings recognition

Exceptional service and a record of innovation helped bring the R.W. Bjorklund Management Innovation Award to LCdr. Dorothy A. Michael last week. She was honored with this annual award by the East Kern Chapter, American Society for Public Administration (ASPA).

Lieutenant Commander Michael is the assistant officer-in-charge at the Naval Weapons Center (NWC) Branch Medical Clinic. She also serves as quality assurance coordinator and senior nurse at the clinic.

Ross Clayton, dean of the University of Southern California's School of Public Administration, made the presentation. Clayton is a former NWC management analyst. He spoke to an open ASPA meeting on organizational change and things to consider when making those changes.

In nominating LCdr. Michael, her superior, Cdr. Dean Hermann, Clinic officer-in-charge, said, "Through a unique combination of her considerable clinical skills and a dynamic leadership style, she has directed the restructuring of the delivery of services to those eligible for care in her clinic. . . . In addition, she developed and implemented a complete quality assurance program to ensure that the quality of the services provided was at the highest level possible."

In describing the quality assurance program, Cdr. Hermann said, "She took a virtually non-existent program and developed one that embodies both the letter and the

intent of the regulations."

The nomination cited specific examples of the changes she implemented which included the following:

- Increased quality and availability of after-hours services through the development and implementation of a certification program for non-technicians in basic laboratory and x-ray procedures.
- Increased health care provider productivity through the development and implementation of innovative patient scheduling by more than 40 percent.
- Decreased the possibility of errors in after-hours pharmacy operations through the implementation of a pre-packaged medication system.
- Established a comprehensive certification program for the immunization clinic.
- Developed, scheduled and presented in-service training sessions directly related to quality assurance issues.

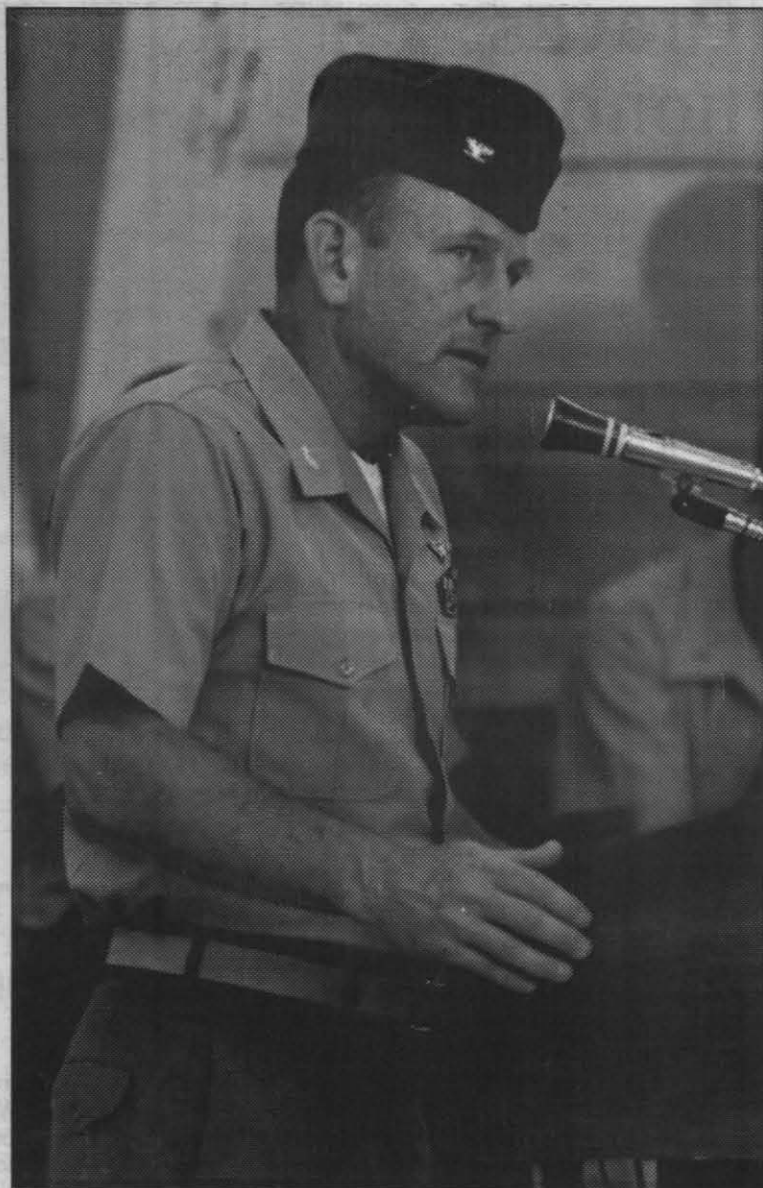
LCdr. Michael entered the Navy after completing nursing training at the Montgomery Hospital School of Nursing in Pennsylvania. Her Navy career has taken LCdr. Michael to such diverse duty stations as Bethesda, Md.; Guantanamo Bay, Cuba; Keflavik, Iceland; and the Naval Weapons Center.

She earned her master's degree in nursing at the University of Texas in 1986 and then reported to the NWC Branch Medical Clinic.



U.S. SAVINGS BONDS
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NEW CO—Col. Barry V. Banks assumed command of the China Lake Marine Aviation Detachment during a formal change of command ceremony last Friday. Col. Banks succeeded Col. Roy T. Edwards who ended a three-year tour at the Naval Weapons Center and was reassigned to Camp Pendleton. Photo by PHAN Cary Brady



RCTV Program Guide Ridgecrest Television (Desert Cable-Channel 3)

FRIDAY, August 5
11:45 am—The Ridgecrest Report
4:30 pm—Cable Kitchen
5:30 pm—An Open Window:
Arturo Cruz
6:30 pm—The Ridgecrest Report.
Local News starring Kevin
McKay & Craig Fox
7:00 pm—Navy News
7:30 pm—The Ridgecrest Report
8:00 pm—Cable Kitchen

SUNDAY, August 7
12:30 pm—Services from St.
Michael's Episcopal Church
1:30 pm—Cable Kitchen

MONDAY, August 8
4:30 pm—An Open Window:
Henry Trofimenko
5:30 pm—Cable Kitchen
6:30 pm—The Ridgecrest Report
7:00 pm—Danny Sullivan:
A Man Apart
7:30 pm—The Ridgecrest Report
8:00 pm—Cable Kitchen

TUESDAY, August 9
11:45 am—The Ridgecrest Report
4:30 pm—Cable Kitchen
5:30 pm—An Open Window:
Design for Sharing
6:30 pm—The Ridgecrest Report
7:00 pm—Danny Sullivan:
A Man Apart
7:30 pm—The Ridgecrest Report

WEDNESDAY, August 10
11:45 am—The Ridgecrest Report
4:30 pm—An Open Window:
Alex Haley, Part I
5:30 pm—Cable Kitchen
6:30 pm—The Ridgecrest Report
7:00 pm—Danny Sullivan:
A Man Apart
7:30 pm—The Ridgecrest Report
8:00 pm—Cable Kitchen

THURSDAY, August 11
11:45 am—The Ridgecrest Report
4:30 pm—Cable Kitchen
5:30 pm—An Open Window:
Alex Haley, Part II
6:30 pm—The Ridgecrest Report
7:00 pm—Danny Sullivan:
A Man Apart
7:30 pm—The Ridgecrest Report
8:00 pm—Stock car races
starring Dave Grayson &
Donna Lingel

Army's top hotel

An Army fort in the heart of Honolulu's Waikiki Beach may become the primary armed forces recreation center in the Pacific if an Army proposal is adopted.

Fort DeRussy is located right on the beach of Waikiki. The major tenant on the 72-acre post is the Hale Koa Hotel Armed Forces Recreation Center.

The Hale Koa — which means House of the Warrior in Hawaiian — is a 420-room hotel used exclusively for active duty and retired military families, as well as DOD civilians traveling under temporary duty orders.

A recently prepared report calls for the Hale Koa to be expanded and for Fort DeRussy to be developed into the Armed Forces Recreation Center of the Pacific. The report calls for adding a second 400-room tower to the Hale Koa, a two-story parking garage, a new fresh-water pool, new tennis courts, putting greens and a bandshell.

Everything will be done to "maximize recreational opportunities with more open space such as trails and paths for walking, jogging, bicycling," according to the report. Fort DeRussy will remain an open post and, therefore, available to the community as well.

Army Reserve units are the only other major tenants on the post. Plans call for the phased movement of the Army Reserve centers to new quarters in other areas on the island by 2002.

The total estimated cost of the project is \$119.4 million. Portions of Fort DeRussy will be open to the community. As a result, the Army will look to some form of joint financing with the city of Honolulu and the state of Hawaii. Between \$80-\$82 million of non-appropriated funds will be used to develop the recreational facilities, and the remainder will be appropriated funds to relocate the Reserve centers.

Congressional approval is needed for construction to proceed.

"We don't want to change the open nature of Fort DeRussy," said JoAnne A. Vieira, director of marketing at the Hale Koa. "The residents and hotel owners in Waikiki want to — as a popular bumper sticker says — 'Keep Fort DeRussy Green.'"

The plan will end more than 20 years of discussion over the fate of the post. Fort DeRussy is the last undeveloped portion of Waikiki. It is surrounded by high-rise hotels and has, according to the Hawaii Visitors Bureau, the best beach on Waikiki. Plans at one time called for the fort to be sold.

These changed, and a move was made to turn the fort over to the Interior Department as a memorial to King Kamehameha — the king who united the Hawaiian Islands in the late 18th century. Then the state of Hawaii wanted to take 45 acres of the land to build a convention center. Finally, last year, the House Armed Services Committee approved a report recommending DeRussy become the Pacific Armed Forces Recreation Center.

If the Hale Koa's popularity is any indication, the planned facility should get much use. "We are continually at a 99.4 percent occupancy rate," said Vieira. "Our guests come from all over the world. We accept reservations up to a year in advance with December, January and February being the most popular times."

The hotel always has a waiting list, and for active duty personnel the chances are good for getting their reservations from the waiting list, according to Vieira. In fact, some active duty personnel show up at the Military Airlift Command terminal on the island and ask for a room at the hotel. "Many times we manage to accommodate them," said Vieira. "We really go that extra mile for active duty people."

For eligible users who wish to make reservations at the Hale Koa, the toll-free number is 1-800-367-6027.

MIPI

New policy set for sick leave

Flowing from a Model Installation Program Initiative (MIPI), the Naval Weapons Center (NWC) is revising its policy regarding the use of sick leave to care for family members sick with contagious diseases. The revised policy will be included in a forthcoming revision to Chapter III of the Center's Time, Leave and Pay Manual to be published within the next month.

The new policy allows employees to request sick leave to care for family members who are confined because of sickness due to a contagious disease. Previously, the Center's policy was that sick leave could be used only if the sick family member was quarantined by a public health official. In response to a MIPI, the basis for the old policy was researched, and it was decided the new interpretation was consistent with law and case decisions.

An employee who has need to request use of sick leave under the new policy must provide his or her supervisor with a statement as to reasons for concluding the sickness is contagious, a description of the disease and how the employee's presence was determined to be required for the period of time requested.

The granting of sick leave for this purpose is discretionary on the part of the supervisor. Supervisors may have overriding work requirements which require the employee to be at work. In such cases, the supervisor may request the employee consider alternatives for care of the sick family member.

Supervisors are reminded that the need of the employee to care for sick family members is real, and the employee often has little flexibility in meeting this need.

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Rock climbing

(Continued from Page 12)

There is no way of knowing for certain how many rescues have been avoided by the training, but Mitchell is certain the benefits to students are real.

For every experience such as the first climb, there is an important night spent in a classroom learning how to tie knots and how to select and use the proper equipment.

Each time a group completes an ascent to a peak on a day hike and each time the instructors lead an overnight hike to some Sierra peak, it is preceded by classroom instruction on how to enjoy and survive in the wilderness.

Some of this year's students were already hooked on mountaineering, and some became converts during the six weeks of fun and work. Most of us in the 1988 class will use the knowledge to better enjoy the wilderness experience, but will never attempt to scale remote peaks or climb frozen waterfalls in mid-winter.

Current CLMRG members hope a few students will decide to donate time and talents as new

members of the group. Mitchell said the class is their primary source of new members.

The class took dedication and persistence. Students ranged in age from about 19 to 60 and included seasoned backpackers and novice hikers. There were civilians and military, civil servants and contractors, men and women, people all shapes and sizes.

By the end of the six weeks, people who were once strangers were sharing experiences on mountain sides, were depending on one another for their safety and becoming a close-knit band willing to challenge their environment.

Capping it all was the graduation party. Here students got to watch the instructors tackle climbs for the first time. It was also the last night for attempting difficult climbs or rappels demonstrating their knowledge of knots and mountaineering techniques in order to earn the coveted CLMRG certificate of completion.

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DESCENDING—Bob Adams of the China Lake Mountain Rescue Group leads the descent of Candlelight Peak by students taking the CLMRG mountaineering class. Curt Martin follows Adams down the boulder-strewn chute on the slope of Candlelight. Photo by Steve Boster

(Continued from Page 9)

ing down another rock face, wondering, as I went over the side, what I was doing. But, again, the experience was one I'll never forget — even if I never do it again.

For six weeks, I was one of about 40 students taking the CLMRG's basic mountaineering course.

No, they didn't make skilled mountain climbers out of us, and they didn't give us the ability to meet any challenge in the mountains. They did, however, instill basic survival skills and teach us how to stay out of trouble in the wilderness.

Each summer, members of the mountain rescue group volunteer their time and talents in an effort to educate another group of mountain enthusiasts on how to enjoy love of the high country safely.

Mitchell, lead instructor, and Linda Finco, the climbing leader, note part of the group's motivation for teaching this class each summer is a hope that there will be fewer people who need to be rescued because of this training. CLMRG members view each class as another step in the education process. The more people who have basic wilderness survival skills and mountaineering knowledge, the fewer rescues they have to make.

Mitchell (better known just as "Mitch") stressed they also see this as giving something back to the community. "We get a lot of support from the community, and this is part of what we do to say thanks."

There is no charge for the class and CLMRG members have given a lot of free time each summer, for more than 20 years, to give 30 to 40 students the benefit of their experience.

(Continued on Page 13)

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manders increase productivity by try-
ing more efficient and economical
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changes in government by testing
new ideas. Only 13 Navy field activi-
ties were chosen to participate. The
Naval Weapons Center (NWC) was
fortunate to have been selected. MIP
encourages all employees to submit
ideas for change. Together, we can
improve NWC...and make our work
easier!

A Model Installation Program Ini-
tiative (MIP) is used to eliminate
useless, outdated, detrimental regula-
tions that are hindering progress at
NWC. A Beneficial Suggestion
(BENE) is used to initiate an idea or
suggestion that is not hindered by
existing regulations. If you need help
to determine whether your idea is a
MIP or BENE, contact your depart-
ment's MIP point of contact or the

MIP office (Code 02A2) or Bene
Sugg office (Code 091).

Some great NWC MIPs allow us
to buy, lease or repair items based on
financial resourcefulness and com-
mon sense versus hard-line, out-of-
touch regulations. Other MIPs allow
us to save great amounts of time by
focusing on the "best" way versus the
"established" way. Concerning deci-
sion authority, in many cases MIP
grants authority to those who really
need it to get the job done! People
who are affected by decisions...get to
make them! MIPs often save great
amounts of money, and the money
that each base saves...it keeps!

Everyone is invited to join the MIP
movement. If you want to change a
regulation or improve a procedure...
MIP IT! Call the MIP office today or
contact your department MIP point of
contact. Together, we can make it
happen.

How MIP works!

To initiate a MIP, jot down your
"idea for change" on a MIP form and
guard mail it to the MIP office, Code
02A2, NWC ext. 2437 or 2711. A

MIP representative will call you to
discuss your suggestions. The appro-
priate department will then review
your MIP and research all existing
regulations and laws that pertain.
After receiving department approval,
the MIP is sent directly to the base
commander. After his approval (if it
affects NWC only), you're done!
Congratulations!

If the MIP was disapproved at the
department level, it gets a second
chance at the MIP Advisory Com-
mittee. They review the idea and then
submit their recommendations, along
with the Department's recommenda-
tions, to the commander. (Often, the
committee will give a "thumbs-up" to
an idea that the department has disap-
proved.) In any case, the commander
is the one who decides.

If your MIP involves waiving an
off-center regulation...read on!
Once the commander approves a
MIP, it goes to the assistant secretary
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tics). Copies also go to all affected
Navy organizations for review and
comment. Then, all reviews and com-

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Most importantly, MIP partici-
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'The Twilight Zone'

Enter . . . one of a supervisor's employees. The employee has been doing an assigned task and has had a minor accident. No big deal. The employee just slipped on a wet spot on the floor, or maybe lifted an object improperly. Now his or her back hurts, just a little.

No big deal, right? So, the supervisor tells the employee, "OK, thanks for telling me. You need to be a little more careful so you don't get hurt again. Let me know if it starts to hurt any worse."

Conversation over. The employee is sore and a little stiff, but goes back to work, trying to ignore the pain. The supervisor is content, no big deal here, the employee just rides a desk. Soon the supervisor forgets about the incident.

The employee has now entered "The Twilight Zone," injured on the job, in pain and with no recourse but to continue with the normal work load.

Next scene, three days later. Even though the supervisor said to let him know if the back got any worse, the

employee hasn't said anything yet because the back hasn't gotten worse. Of course it hasn't gotten any better, either. But not wanting to complain, the employee suffers along with it.

Enter the final equation. Supply delivers a piece of computer equipment the boss has been waiting for. The employee picks up the item to move it to where it will be installed when . . . pain . . . the employee drops the equipment on the floor. The Fire Division ambulance is called and the employee is transported to the hospital. Doctors diagnose a severe muscle spasm requiring two weeks bedrest.

A very sad situation indeed, but, unavoidable? Not really.

NAVWPNCENINST 5100.6D (Occupational Safety and Health Program Manual) requires **all** on-the-job injuries, no matter how minor, to be reported to supervision. The supervisor must evaluate each injury. If the potential exists for a worsening of the injury (i.e., a cut that can get infected, a sore muscle that can become strained, etc.) the employee must be

seen at the Branch Medical Clinic for further evaluation.

In the above case, the supervisor should have sent the employee to the Branch Medical Clinic when the injury first occurred. Perhaps the injury would have been found and appropriate medical attention given.

Remember, if you are injured, no matter how minor, you have the responsibility to report it to your supervisor.

As a supervisor, you have the responsibility to see that any employee under your cognizance is seen at the Branch Medical Clinic whenever the potential exists for the injury to worsen.

The end result may be that the employee is directed to take it easy for awhile, not lift heavy objects, etc. This may preclude a more serious injury from going unnoticed.

Whatever the case, don't let an employee be placed in "The Twilight Zone."

The Safety Office



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Housing says. . . Wildlife sightings increase as water decreases. Tenants living near open areas can expect to see more wildlife than usual this year. A second consecutive low-water year along with a continued hot summer season has resulted in sightings of

coyote, kitfox and bobcat in the housing areas. A bear was reported to be seen in Red Rock Canyon last month.

As available water and forage becomes scarce, animals will then tend to migrate to locations where they can find food and water. It is

important for people to realize that although there is a natural decline in wildlife during times of stress, the animals make up for it when good times return by reproducing at an accelerated rate.

So, what do we do when we see a

wild animal near the housing area? Nothing, as long as the animal is not near your house or in your yard and does not pose an immediate danger. Residents are urged to secure all garbage storage and be sure to collect pets and pet foods from outside at the

end of each day.

If you do have any problems or need more information, contact the Ridgecrest Animal Control Office, 375-8157, or Beverly Kohfield, Environmental Division, NWC ext. 3411, ext. 282 or 382.

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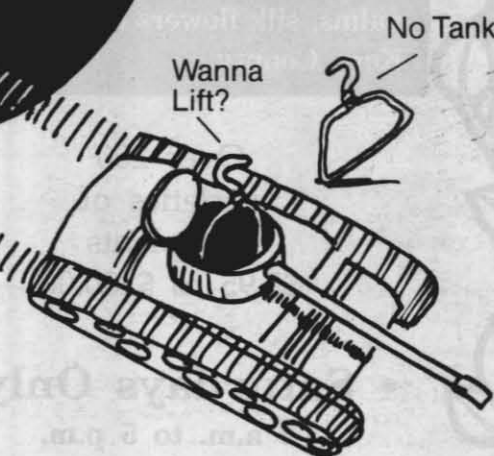
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- 6) 1978 Chrysler Cordoba, open bid

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For information on mobiles, please call Loren Lilly at 446-6521 1:30 pm to 4:30 pm, Monday thru Friday, except holidays. ALL BIDS WILL BE CONSIDERED.

Saving with bonds

(Continued from Page 7)

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To obtain a copy of the "Savings Bonds Question and Answer Book," write to the U.S. Savings Bonds Division, Department of the Treasury, Dept. R, Washington, D.C. 20226. Information on current rates can be obtained toll free by dialing 1-800-US BONDS within the continental United States.



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Harmful chemicals . . .

A pregnant pause for poisons

During pregnancy is an especially important time to ensure good health habits. In addition to the mother's individual health, there is the well-being of the growing fetus. Amongst those health issues is the exposure to chemicals with which we come into contact as we go about our everyday business.

Household cleaners and cleaning chemicals are used to clean and disinfect a home. Some cleaners are poisons and can adversely affect your health if they are used incorrectly, stated B. A. Jinadu, M.D., director of Preventive Medical Services, Kern County Health Department.

Some common cleaning chemicals which may be harmful are as follows:

toilet bowl cleaners, bleach, ammonia, dishwasher detergents, mothballs, rug cleaners, pesticides, furniture polish, glues and paint solvents.

Cleaning chemicals are used in the work place, restaurants, hospitals and factories, as well as in the home.

If a person breathes in toxic (poisonous) fumes, the fumes may enter the bloodstream and possibly injure nerves, lungs and other organs. Pregnant women who inhale such fumes can also affect their babies. "When a woman is around these chemicals, the unborn baby is also exposed to them. Once inside a woman's blood stream, certain chemicals can pass through the placenta and umbilical cord," said Dr. Jinadu.

To protect oneself and the unborn

baby, Dr. Jinadu suggests the following:

1. Use safer cleaning chemicals, such as baking soda or milder soaps.
2. Avoid exposure to paint thinners, pesticides, strong glues and solvents.

If it is necessary to use cleaning chemicals, however, follow these safety steps:

1. Read the labels for proper use and safety instructions.
2. Use gloves to handle chemicals.
3. Make sure enough windows and doors are open for proper ventilation.
4. Take periodic breaks from using the chemicals to breathe fresh air.
5. Do not mix cleaning chemicals — like bleach and ammonia!

AIDS

 — Learn the facts


American Red Cross

Inyo County Chapter • 230 West St. • Bishop

Shoemobile

On Wednesday, August 10, the Shoemobile will be on-Center from 7:30 to 9 p.m. The mobile unit, sponsored by the Employee Services Board, will be parked by the Safety Office (located at the corner of Hussey and Nimitz). Safety shoes and related items may be purchased by both military and civilian customers.

\$ choices

WASHINGTON (NES)...

Investors in the 1980s face an unprecedented variety of choices. Technological advances and government deregulation have led to an explosion of financial products — Super NOWs, CDs, IRAs, money market accounts and a host of other savings and investment options available to most Americans. As the number of alternatives has increased, however, so has the difficulty of making the right selection.

One security, known to more Americans than any other since 1935, continually changes with the times to meet the challenges of today's marketplace: the U.S. Savings Bond. The pressures of bank deregulation and high interest rates marking the early part of this decade led the Treasury Department to revamp savings bonds into a thoroughly modern financial product. The result is a security with a unique combination of features and unsurpassed availability.

Americans have shown they know a good deal when they see one. Sales of savings bonds during fiscal year 1986 were more than \$8 billion, the highest since World War II. FY87 sales set another record by reaching \$10.3 billion.

Since November 1982, savings bonds have offered buyers the best of all possible worlds: a security tied to market rates that also boasts a minimum rate. If the market rates go up, so does the savings bond rate; but if the market rate goes down, the rate on bonds will only go down to a rate that is guaranteed at the time of purchase, currently six percent.

Market-based rates and the guarantee are effective when bonds are held at least five years but are retroactive to the date of purchase. Bonds purchased or held since Nov. 1, 1982, have a redemption value of 8.50 percent, based on the market rates when the 11 semi-annual periods are averaged. If bonds are redeemed before the five-year period, the minimum rate applies; bonds continue to earn market-based interest rates if held beyond maturity.

If that were all savings bonds offered, they would be worth buying, but there is much more:

• Savings bonds cost as little as \$25. Thousands of employers allow purchase of bonds in even smaller installments through the payroll savings plan, putting them within reach of anyone.

• The federal tax on interest paid on bonds can be deferred until they are cashed, increasing effective yields.

• Savings bonds are registered securities, replaced at no cost if they are lost, stolen or destroyed.

• Like other Treasury securities, savings bonds are backed by the full faith and credit of the United States. No safer security is available.

(Continued on Page 10)



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School of hard rocks

At last, my belayer was only a few feet away. I could feel the adrenaline pumping, the exhilaration starting to build. I was just that far from completing my first real free climb of rock face.

This wasn't the infamous "crack of doom" at Heller Rocks, just a shorter and much wider crack in the rock. I wasn't ready (and probably never will be) for the "crack of doom." But, it was a first. If not for the advice and encouragement of Andrew Mitchell and R.J. Leiser, my climbing instructors, I might still be trying

to make it up that first piece of rock.

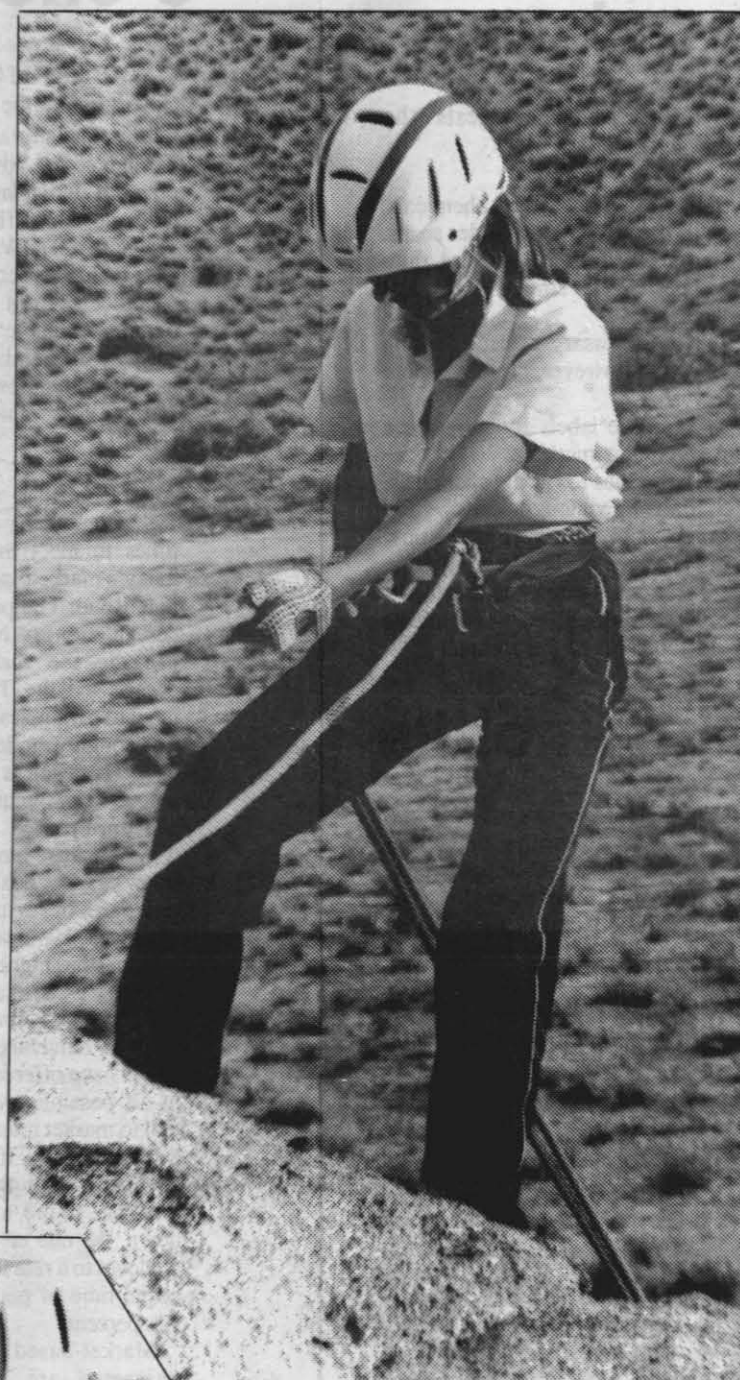
I overcame a few falls (thanks to Jerry Stein who was belaying me from the top), a few scratches on the arm, tender fingertips and aching shoulder muscles to experience a sense of satisfaction, the joy of accomplishment. Suddenly, it became very clear why the China Lake Mountain Rescue Group (CLMRG) members not only like to climb, but why they down right love it!

Two weeks later, I was rappel-
(Continued on Page 12)



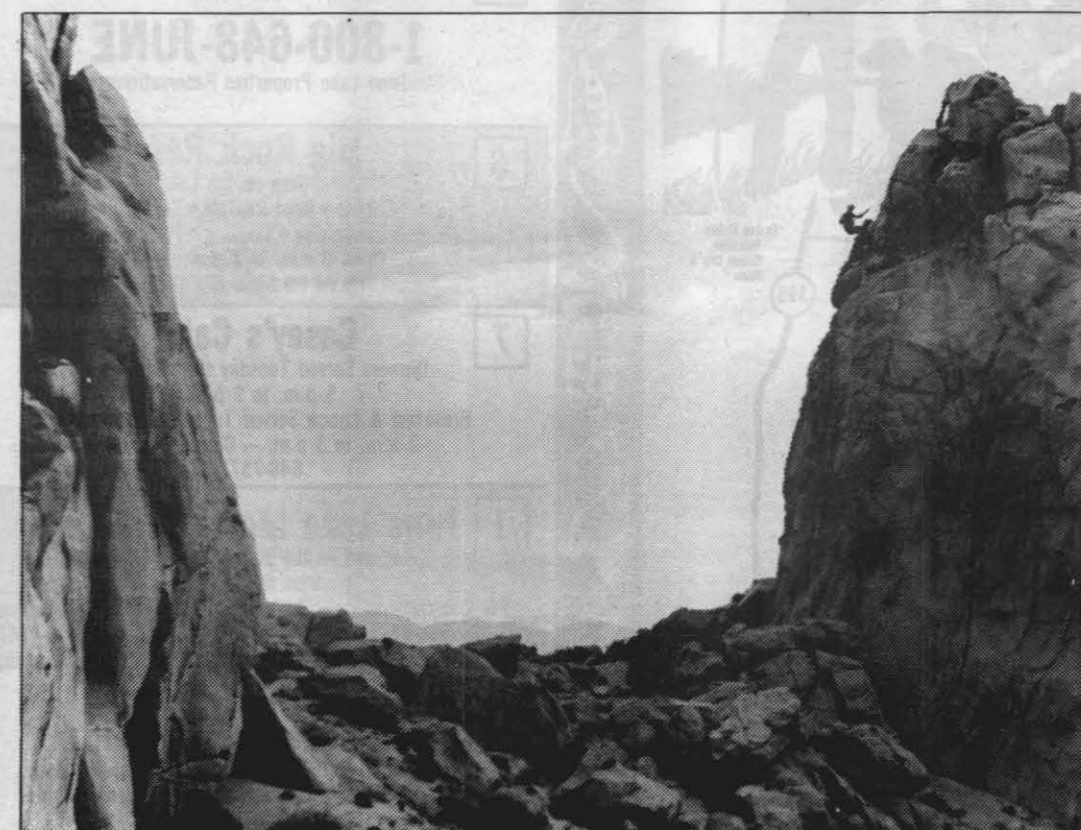
CONCENTRATE— Elena McMahon is deep in thought (top) as she prepares for a rappel. Mike Renta, a CLMRG instructor, gives her advice and final check of the ropes — then over she goes!

CLIMB— Andy Mitchell belays fellow CLMRG member Ron Leiser with a bottom rope belay when the teachers got to show the "right stuff."



OVER THE SIDE— Steve Walker of the China Lake Mountain Rescue Group (CLMRG) belays a student climber attempting a rappel down a rock face at Heller Rocks (top) during the last session for the summer mountaineering class. Below, a CLMRG student puts his trust in the equipment and a belayer as he does a free rappel.

Story & Photos by Steve Boster, Editor



Talk a good climb!

When Mike Wisecarver, Andrew Mitchell or Linda Finco leave the Indian Wells Valley for some climbing, they may take along lots of friends, some beeners, nuts and bolts, hexes, quick-draws and slings all on a rack. Once on the rock, they may take turns leading and belaying up a 5.9 crack and could try to rappel from the top.

If this sounds strange to the average reader, it's only because the reader isn't in touch with what well-equipped rock climbers carry and do when they go into the back country.

Wisecarver and the others, all from the China Lake Mountain Rescue Group (CLMRG), may also carry some goldline, bags of chalk and special climbing shoes with rubber soles so soft and sticky a climber can easily stick to a near-vertical rock face.

Climbers have their own special language; and, just as in any other sport or activity, understanding the language is half the battle of knowing and enjoying the sport.

Friends are mechanical climbing devices used as anchors in rock. Hexes are one-piece hexagonal-shaped metal devices where all sides are not the same size. Beeners (carabiners) are metal clips used with ropes or fabric slings as a connection between the climber and protection.

Climbers use quick draws, a combination of beeners and

slings, when they need to tie into an anchor quickly and easily. Nuts and bolts are other metal devices wedged into cracks in rock to provide a firm anchor or margin of safety.

Belaying is a climbing technique involving two or more climbers, always connected by a rope, that helps prevent injury in the event of a fall. There is a degree of difficulty in each climb and most are rated between 1 and 5.9 with a 1-rated climb being similar to a stroll down the sidewalk and 5.9 climb something akin to a near vertical slab of rough granite in the Sierra Nevada.

Most people have seen John Wayne or the Marines rappelling down a wall or mountainside. This is a quick way down from any high place. It is not a sport to try without training and supervision.

Once the lingo is understood, the novice can at least follow a conversation between CLMRG members. But when climbers start talking winter expeditions, climbing frozen waterfalls, 5.9 climbs up rock walls, free rappels of 150 feet and climbs that are rated by degree of risk rather than degree of difficulty, it takes more than just knowing the jargon to continue. That's where the climbing class comes into play. It's a way to start, and a way to become a veteran climber.

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NWC Rocketeer

August 5, 1988

SECTION II PAGE 17

Drinking water standards set by the Environmental Protection Agency (EPA) are governed by the Safe Drinking Water Act. Water supplies at the Naval Weapons Center (NWC) are in compliance with these standards; however, as the water supplier to employees and residents, the Center's Public Works Department has prepared this notice to inform water users about certain contaminants, including lead, that may enter some drinking water supplies.

Lead is a soft metal which, when accumulated in the body, may cause serious damage to the human brain, nervous system and red blood cells. The highest risk is for pregnant women and young children.

High levels of lead in drinking water supplies are most likely if the water system has lead pipes, if the home is five years old or less, if the home has copper pipes with lead solder, if the water is soft or acidic or if the water remains in the pipes for several hours between uses.

Lead contamination is detected through a sample of water analyzed at

an approved laboratory. The current acceptable level for lead in the water supply is no more than 0.050 parts per million.

Most lead contamination in drinking water supplies is the result of corrosion. Lead residue in water pipes is

Lead is found in the air as well as in water supplies. Although only trace amounts are found in the China Lake water supply, water users should all be aware of the adverse health effects such contamination can have and take precautions when using any water supply.

One of the easiest and most effective safety measures recommended by the EPA is to run the water for at least two minutes before using it. This flushes the line and reduces the possibility of increased lead levels. This is particularly true when there has been no use of a water line for at least six hours. Another effective safety measure is using the cold water tap whenever possible. The cold water tends to have a reduced rate of lead residue compared to the hot water tap.

This notice of possible lead contamination has been prepared in compliance with the EPA's public notice requirements of the Safe Drinking Water Act of 1986. Questions or comments should be directed to Tom Merendini, Code 2661, of the Public Works Department's Environmental Division.



most often caused by a reaction between soft water and leaded solder joints in the pipes. Currently, federal law requires the use of lead-free material and solder in the pipes of any new water supply. All plumbing repairs or replacements are made with the new lead-free materials.

How to get the lead out

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375-1997

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For this presentation we will be working with Hewlett-Packard to demonstrate the Analog Workbench™ product using an HP UNIX workstation.

Hewlett-Packard will also present its Design Capture System (DCS) for Analog and digital design. DCS is tightly integrated with all of the Analog Workbench tools and libraries.

This session will include a demonstration by a design-qualified application engineer. There will be ample time for your circuit-related questions after the demonstration.

We would like to invite you to attend our presentation:

Tuesday, August 16h
Commissioned Officers Club-Chart Room

Morning Session: 8:45 - 11:00 a.m.
Afternoon Session: 1:30 - 3:45 p.m.

If you are interested in attending, please call 1-800-262-5644 (8 a.m. : 5 p.m. PDT). We look forward to meeting with you and hope to see you there.

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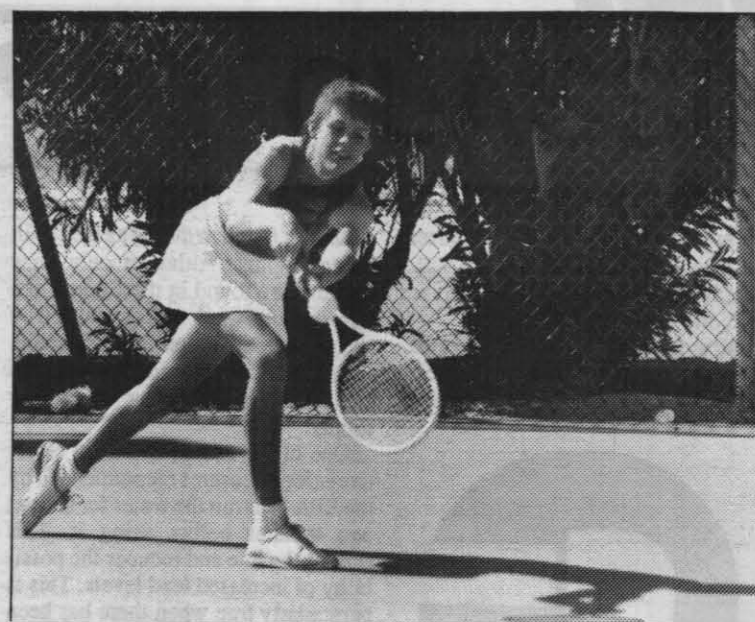
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WHAT A REACH! — Kristin Campbell stretches as she attempts to return a ball in the Junior Tennis Tournament held recently at NWC by the Youth Center. Photo by PHAN Cary Brady

Tennis tournament held

Sixteen young contenders battled it out on the King Street tennis courts last week as they participated in the Junior Tennis Tournament.

Divided into two groups, youth, ages 8 to 17, participated in the tournament sponsored by the Naval Weapons Center's Morale, Welfare & Recreation Department's Youth Center. Division I, consisting of netters between the ages 8 and 10, had five contestants. August Rowell managed to best Brandi Bailey and Laurie Cassey in the fight for the girl's title, and Tom Davis won over Danny Hartley to secure the boy's title.

In Division II, 11 to 17 year olds, Vicki Baker triumphed over Tara Sandberg, Kristin Campbell, and Ingrid Kuo. Clarence Aviles was vic-

torious over Aaron Taylor, Chris Bechinski, Jimmie Pearl, Geoff Holland, Aaron Schwaiger and James Thompson.

According to Debbie Pyle, lead recreation assistant and tennis instructor for the Youth Center's Summer Space Encounter Program, the tournament's participants consisted of her tennis students and other youths who had heard about the tournament or had seen the students practicing.

"Monday, August 8, is the final session for interested youths to learn how to play tennis this summer," said Pyle. "Any youth interested in learning how to play tennis or improve their tennis skills should call the Youth Center (NWC ext. 2909)."

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- Racquetball
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Meetings set Flag football

On Wednesday, August 10, an organizational meeting for intramural flag football is scheduled at 4:30 p.m. at the Naval Weapons Center's gymnasium office. This meeting will establish league rules and roster requirements.

Anyone interested in playing is encouraged to attend. The season will begin in mid-September.

For further information, contact the gym at NWC ext. 2334.

Volleyball

On Wednesday, August 17, an organizational meeting for summer league intramural volleyball is scheduled at 4:30 p.m. at the Naval Weapons Center's gymnasium office. This meeting will establish rules and roster requirements.

Anyone interested in playing is encouraged to attend. The season will begin in mid-September.

For further information, contact the gym at NWC ext. 2334.

Coaches needed

Flag football and varsity basketball coaches are needed by the Naval Weapons Center's Sports Branch, Morale, Welfare & Recreation Department.

Anyone interested in applying as a coach for the men's varsity flag football team should contact the Athletic Director, Mike Slobodnik, at NWC ext. 2334. This is a volunteer position. Deadline to apply is August 19.

Anyone interested in applying for a volunteer position as a coach for men's and/or women's varsity basketball teams should also contact Slobodnik. Application deadline is September 9.

Dart team

According to the Morale, Welfare & Recreation Department, the Naval Weapons Center's Sports Branch is interested in mustering a dart team to participate in an Interservice Dart League sponsored by Edwards Air Force Base.

Anyone interested in participating in such an event should contact the Athletic Director, Mike Slobodnik, at NWC ext. 2334.

Deadline for league entry is August 15.

- Discounts On:
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1977 CHEVY Monza, \$2,500, good work car. Call 375-2061.

1978 JEEP Wagoneer LTD 400, V8, p/s, p/b, a/t, a/c, cruise, leather, strong engine, new xtr bottom, some rust, moving, must sell, hi book, \$4,400, go for \$2,750 or best offer. 446-4483.

1978 MERCURY Marquis, fully loaded, good condition. \$900 or best offer. 446-4713 after 5 p.m.

1979 FORD BRONCO, 4 wheel drive, p/s, p/b, parked on Lemon Lot, excellent condition, \$4,400, or best offer. Phone 446-6922.

1982 Honda 750 Supersport, silver, fast, runs well but needs tune-up, \$887 or best offer. 375-9240, Lemon lot on base.

1983 Toyota Celica Supra \$6,999, 5 speed, p/s, p/b, a/c, cass., tilt cruise, wheels, License # 2AMK193. Charlton & Simolon Used Car Corner. Ask for DAVE 375-1998.

1984 Ford Bronco II 4 x 4, 5 speed, a/c, cass., custom wheels, \$7,999. Call Dave at Charlton & Simolon Used Car Corner 375-1998.

1984 Mustang GT, 2-Tone, air, AM/FM cassette, T-Top Power steering, brakes, windows, custom wheels, excellent condition. \$7000. Jerry 446-6036, 446-7671 x 431.

485 Autos For Sale

1986 Chevy Celebrity, loaded, very clean, low miles, make pay off \$8,682, no equity, must sell. 446-5073.

1986 TOY LE van for sale, dual A/C, cruise control, power steering and power brakes, pay off balance. For more information, call 371-1936.

1987 Ford T-Bird, V-6, power windows, cruise, tilt, digital dash, all for only \$11,999. License # 2CZP090. Call Dave at Charlton & Simolon Used Car Corner 375-1998.

1988 Mazda RX7 SE, 5 speed, power steering/brakes, a/c, AM/FM cassette, cruise, sun roof & hatch. Medical expenses forces sale. Asking pay off balance. 375-4744 days, 375-7845 evenings.

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TWOS COMPANY, three's a crowd, 1968 Dodge Charger for sale, 383 4 bbl, 4 spd, p/s, cragars, 13,300 miles on engine and transmission. New clutch bearing, disc and plate. Fly wheel resurfaced, new carb, headers, have receipts. Best offer over \$1,800 takes it or trade me your truck. Call 375-6189.

WANTED: All late model Mustang GT's for Ridgecrest Mustang GT Club. Call 446-2743 after 4 p.m.

489 Trucks and Vans

1975 Toyota 4 speed pick-up with shell. Runs great. \$2,000 or best offer. 375-7845 evenings.

489 Trucks and Vans

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1986 FORD, F350, 6.9 liter diesel, 4 x 4, 1 ton dualy, LX interior, cruise control, A/C, tilt, AM/FM cassette stereo. Asking \$1,500 down and take over payments. 873-4217.

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23575R15.....	\$52.88

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750-16.....	8 ply	\$58.88
800-16.5.....	8 ply	\$59.88
875-16.5.....	8 ply	\$65.88
950-16.5.....	8 ply	\$69.88
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353 Miscellaneous For Sale

TWIN SIZE BED, good condition \$35; king
size waterbed, almost new, fancy foot and
head board, pads included, \$180. Call
446-6778.

YAMAHA PC 1000 electronic keyboard,
professional quality, many features, \$700 or
best offer. 375-3647.

357 Pets

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more loveable indoor kittens. They need good
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FRIENDLY, ULTRA ADORABLE indoor
kittens available to good homes. They have
had their 1st shots. 446-7419 after 6:00 p.m.

AKC Silky Terriers, champion bloodlines,
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446-5845 keep calling.

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\$300, 6 weeks old, 1 st. shots and dewormed.
Call 446-4700 or 371-1628.

357 Pets

Cockerspaniel for sale: Silver colored, fe-
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361 Wanted to Buy

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kins diesel engine and all hydraulics, recently
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Included are: 1 dirt bucket and set of log forks.
\$6,000 or trade on dump truck. 873-4217.

377 Homes for Sale

FREE... Weekly list of properties for sale by
owner with addresses, prices, owner's phone
#. Call 371-1005, HELP-U-SELL REAL
ESTATE.

MOVING, priced to sell, 3 bedroom 1 1/2 bath
solar heated pool Estridge Estates home,
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425 Apartment for Rent-Furn.

10 x 55 ONE Bedroom, furnished, \$350 a
month, close to all shopping. 375-5954.

425 Apartment for Rent-Furn.

FURNISHED, Good for singles, \$400, 1
bedroom, utilities paid, no pets, Gala Apts.,
124 E. Dolphin. 375-9124.

437 House for Rent Furnished

FOR RENT, Chico, 3 bedrooms, 2 bath,
central air & heat, fireplace, partly furnished,
near East Avenue Mall, \$550, water and
garbage included. Contact L.K. c/o Audra
Lull P. O. Box 163, Ridgecrest, CA. 93555.

441 House for Rent Unfurnished

LARGE 2 bedroom, 1 bath, garage/openers,
refrigerator, ice maker, carpet, dishwasher,
drapes, trash paid, \$465/mo plus deposit,
1008 Alene. Phone 375-1640 eve.

SALE, TRADE, RENT, 3 bedroom, 3 bath,
den, 1550 sq. ft. house. 375-4855.

Tri-Plex 3 bdrm, 2 bath, near new, nice
location, refrigerator, stove, dishwasher, gar-
bage disposal, fireplace, tile kitchen, washer
& dryer hook-ups, garage, \$550 a month plus
security. Available Aug. 15th. Call 375-6307.

445 Room for Rent

NEAT, non-smoking roommate wanted to
share 3 bedroom house, half mortgage, plus
utilities. Call 375-4452 after 5 p.m.

449 Space for Rent

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to NWC South Gate. \$500 per month. M2
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TRAVEL TRAILER space. Call 375-5954.

461 Mobiles for Rent

TRAVEL TRAILER Space, mobile home
space, close to all shopping, 210 W. Haloid.
375-5954.

469 Motorcycles

1982 Honda 750 Supersport, silver, fast, runs
well but needs tune-up, \$887 or best offer.
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1984 HONDA 700 INTERCEPTOR, 31K
miles \$800. Call 375-4173.

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1986 230 QUAD sport, \$750.00, phone
375-2061.

1986 KAW KX-500, set up for
desert, many extras, including wide
power shock. Excellent condition,
must see & ride, \$1250 or best
offer, 446-9075.

1986 Yamaha XT 600 Enduro, excellent
condition, \$1,900 or best offer. Dan
375-4748.

Collector Edition, sport touring package, new
tires, excellent condition, \$1,400 or best
offer. 377-5795 after 5 p.m.

New 1988 Suzuki motorcycles, all types,
phone (619) 375-8606. Ask for Bob.

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Sailor bait, used motorcycles to the max, see
them at Bob Foster's Super Cycles, 217 N.
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650 Suzuki, pre 1979 RM 400, 370, 250. Box
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Super Cycles, 217 N. Balsam St., Ridgecrest.
(619) 375-8606. Ask for Bob.

485 Autos for Sale

1965 BUG, 12 volt converted, motor apart,
needs rebuilt. New Michelin steel radials,
good transaxel, extra motor - apart, extra
transaxel, extra wheels plus parts. All for
\$675. 375-8155.

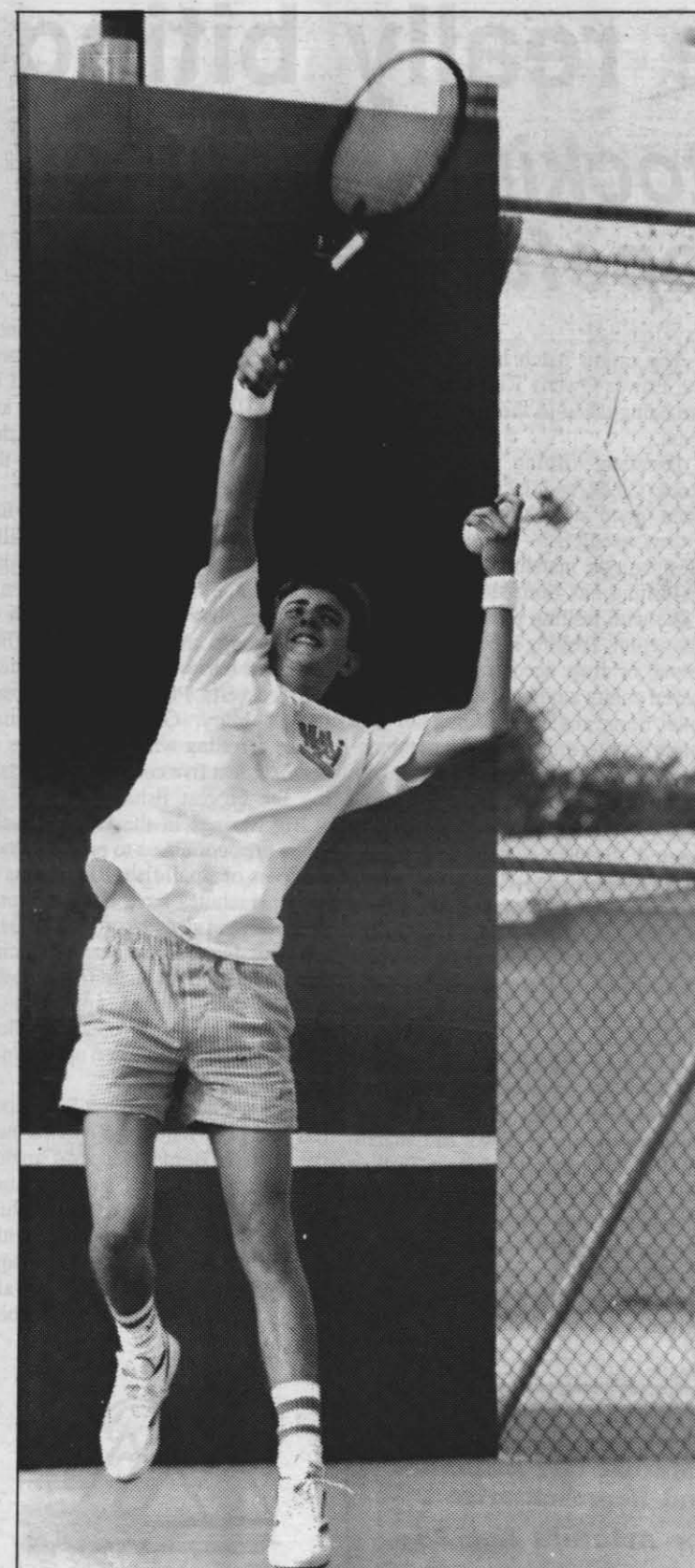
1974 Capri, V6, 4 speed, white, runs great,
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HARD AT WORK — Geoff Holland put his whole body
behind his serve during a set in the Junior Tennis Tour-
nament held at NWC recently. The tournament was
sponsored by the Morale, Welfare & Recreation Depart-
ment's Youth Center for students learning to play, or
improving their skills in tennis during the Summer
Space Encounter Program, as well as other interested
youth. Photo by PHAN Cary Brady

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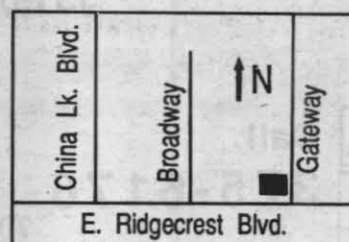
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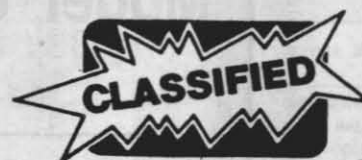
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Fish are really biting Recent stocking, weather benefit hopeful fishermen

Scattered afternoon showers, warm daytime temperatures and cool nighttime temperatures are causing the fish to bite in the Eastern Sierra area which has recently been stocked.

Fly fishing remains good in the Lone Pine area. Yellow Humpies and the California mosquito are the most successful flies, and rooster tails or the green bumble bee are the best lures. Salmon eggs and worms are still the best bait.

Big Pine Creek and Baker Creek are releasing limits on salmon eggs, velteta cheese or small gold kast-masters. Fly fishing, however, is not very good in the Big Pine area. Fishing is slow on the Owens River, but the best bet is still either night crawlers or yellow rooster tail lures.

In the Bishop area, the water is still too low for boats at South Lake, but the fishing is good at the falls using lures. Worms, salmon eggs and marshmallows are catching fish at Boiler Cove and around the dam area. Trollers trolling at three to four colors using frog pattern needlefish or flatfish are doing well at Sabrina. Anglers using salmon eggs, worms and marshmallows are catching limits of pan-sized browns at South Fork of Bishop Creek.

Best fishing is at daybreak in the stream below the powerhouse at the upper end of the Pleasant Valley Reservoir. Late evening fishing is also good using bubble and any dark pattern flies. It's too hot for good mid-

day fishing.

The caddis hatch is still strong at the Lower Owens River. Many fish are being taken in the six- to 10-inch class.

Excellent fishing is reported in Rock Creek and Lake. Trolling has been good near the surface using either needlefish or super-dupers. Best bait is marshmallows.

Fishing has been slow at Convict Lake with trolling providing most of the action. Trolling is being done with silver or frog needlefish at five to seven colors along the drop-off at the inlet. Shore anglers are doing fair with night crawler-marshmallow combinations. Mostly planters are being taken.

At Crowley Lake, fishing is slow with an average of two to four trout per rod. Best bet is using olive streamers in the north end of the lake. People fishing the edges of the weed beds should use a sink tip line. The Owens River Channel seems to be the best spot in the area. Perch fishing has also slowed, but try fishing Layton Spring or Crooked Creek in the afternoon.

Fishing is excellent at June Lake. Best results have been seen by bait fishing from boats at 40- to 50-feet using such baits as power bait, marshmallows or floating cheese. Trolling has been slow; however, Silver Lake has been good either early or late in the day by fishermen using crawlers or marshmallows. Flies are slow, but try trolling with a hornberg, brown ghost or olive matuka for best success.

Fish are averaging about a pound.

The catch and release program, using barbless hooks only, is still in effect at Hot Creek. While the fish are not taking anything consistently, dry flies in the evening are providing the best action.

In the Mammoth area, fishing has been good at Twin Lakes. The callibaetis hatch is providing good midday catches. The best pattern has been a brownish olive spinner in size 16 or 18. Evenings are best using dark flies with slow retrieve in the channels next to weed beds. Fishing has only been fair at Mary, George and Mamie Lakes. Trolling with super-dupers or needlefish at five colors has been taking the biggest fish.

Big Springs in the Upper Owens River area continues to produce good numbers of small fish. Blue duns or grey parachutes have been the most productive in sizes 16 or 18. The Benton Crossing area has been producing lots of 10- to 14-inch fish, mostly browns. A careful approach is required to keep from spooking these fish. Best fishing has been upstream of the Benton Bridge.

East Walker River near Bridgeport has had poor fishing; it's better near the Nevada Border. Hopeful anglers should try streamers such as hornbergs. At Virginia Lake, best fishing is being done in the late evening with a fly and bubble. Green body mosquitos, black gnats or adams are also good. Lots of wild fish have been caught.

ONE OF THE HOPEFULS — Paul Baczkiewicz, associate department head for the Moral, Welfare & Recreation Department, recently tried his luck at fishing in the Upper Owens River. Unfortunately, the fish didn't want anything to do with him and he went home empty handed. Photo by Steve Boster

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SAVE \$\$\$ on towing at Pearsons Towing, Pearsonsville. 377-4585 days, 377-4059 nights & Sunday.

313 Personals

Babysitting in my home, Monday thru Saturday, anytime. Call 446-3954.

DO You like to do crafts? Do you like to receive free gifts? Or do you want to learn how to do stichery? Then call Dorothy at 375-6292 after 4 p.m.

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

Is a friend or loved one's drinking or drug use affecting your life? Making you crazy? Call AL-ANON, 375-3251.

Loving mother offering child care, Monday - Friday, full-time only. 446-2242.

OVEREATERS anonymous. Phone 445-5898.

WANTED: All late model Mustang GT's for Ridgecrest Mustang GT Club. Call 446-2743 after 4 p.m.

DON'T JUST EAT your vegetables, exhibit them at the Desert Empire Fair. Don't forget arts & crafts, flowers, weed collections, September 14-18. 375-8000.

TORS - Take off Pounds sensibly. Come join us at our new location - 803 Ellis or call 375-7593 or 375-5495. Meetings start at 8 a.m. & 6 p.m. every Wednesday.

317 Professional

The Dog Grooming Shop, 409 S. China Lake Blvd., 375-1640. Tuesday - Saturday 10 a.m. - 6 p.m. Catalog Ordering.

320 Janitorial Services

CALL JOE for all of your commercial and residential cleaning needs. Windows, floors, carpets. If it can be cleaned, I'll clean it! 375-3520.

321 Building, Contracting

Looking for a new garage door or entry door? Call Desert Garage Door. 446-3446.

325 General Services

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HANDYMAN 30 Years experience, Free estimates! Carpentry and painting, light plumbing and electrical, drywall and roof patching, yard work and light hauling. All repairs guaranteed. Lic. # 930472. 377-5581.

333 Help Wanted

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337 Work Wanted

GRANNY'S WORLD - Licensed day care home accepting children ages 1 - 3. Hours 6:45 a.m. - 5:00 p.m. Located on base. Call 446-4416 for more information.

Loving mother offering child care, Monday - Friday, full-time only. 446-2242.

CHILD care, full or part-time, any hours, weekdays or weekends, low prices. 446-7935.

353 Miscellaneous For Sale

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

FOR SALE: Sharp model ER 1564 electronic cash register, programmable, single drawer, clock function and more, like new \$175 or best offer, 4 large glass display cases, commercial or resident, \$75 to \$150 each or best offer. 446-4800

J.C. Penny's exercise bike. Two months old, was \$120. First \$75 takes it, or best offer. Call 446-2812.

3-M COPIER for sale, \$100, needs service, call Kathy 375-2736.

CANON T-70 35mm camera, two lenses, two flashes, carrying bag, worth \$700, take all for \$500. 375-2812, please leave message.

MAKE Hawaiian shave ice at home, machine, molds, and syrup for \$19.95. Call 375-9648/375-3211.

QUEEN SIZE waterbed, only 2 months old, heater & mattress, liner, includes headboard w/brass trim, \$150. Call 375-4370.

353 Miscellaneous For Sale

QUEEN/double headboard, pecan wood, like new, \$100; 7' long vinyl, yellow couch, excellent condition, \$200; twin size bed frame \$20; Brother-Charger II small, portable manual typewriter, brand new, \$45; beautiful, 28" high, 3-way table lamp \$25; some items negotiable. Call 875-4743 after 12 noon.

TWIN ENGINED Lazzair ultra light, 20 hrs total time, \$3500 includes trailer, 446-3198.

USED washing machine, \$200; airless paint sprayer, \$50. 446-6267.

For Sale - cheap: ceiling fan with light, \$30 or best offer. 375-4516.

FULL Size bed, couch from motor home (slides into a double bed), Cal. 380 9 mm Kurz back up. Call 446-3051 anytime.

HERE, THERE, EVERYWHERE, 3 PALMS CABLE. CALL DICK JOYCE 375-1687.

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

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

Looking for a new garage door or entry door? Call Desert Garage Doors. 446-3446.

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

353 Miscellaneous For Sale

Queen waterbed, with headboard & sheets, \$300 or best offer. Also Pioneer amp, equalizer, never been used, \$80. 375-8835 after 5 p.m.

Rowing machine \$100. Jogging trampoline \$10. 446-6172.

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353 Miscellaneous For Sale

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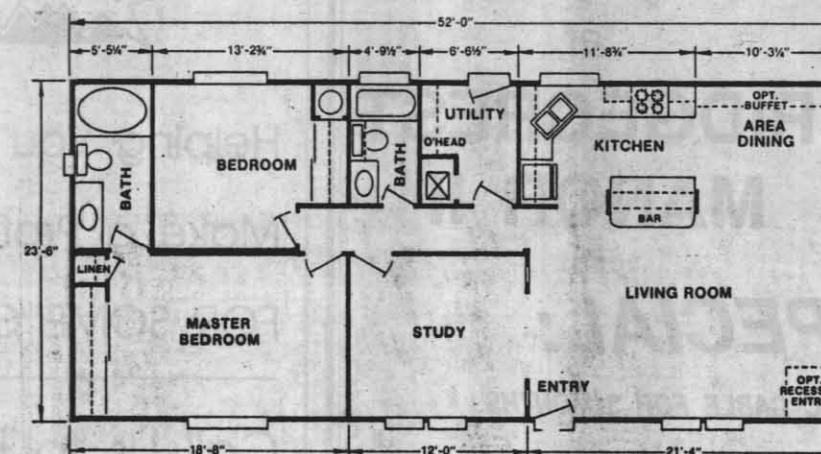
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Northridge announces fall schedule

The following classes are being offered this fall for the Cal-State University Northridge (CSUN) Engineering Program (bachelor's and master's degrees). To enroll in these classes, submit an on-center Training Request (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held at the first class meeting. The deadline for enrolling is 10 calendar days before the starting date of the class.

EE505: Random Processes (3 units)

September 6-December 20, Tuesdays and Thursdays, 1610-1740, Training Center. By Dr. Wade Swinford, NWC ext. 2951. Prerequisite: EE467: Probabilistic Systems in Electrical Engineering—Design and Analysis or equivalent or consent of instructor.

Scope: Random systems, stationary and ergodic processes, spectral representation. Prediction, filtering and estimation of digital and continuous system. Applications to control and communication.

Text: *Probability, Random Variables and Stochastic Processes*. Papoulis. McGraw-Hill, 1984, second edition.

Note: This is a core course in the CSUN master's degree program in

electrical engineering.

EE569B: Optimal Control (3 units)

September 7-December 19, Mondays and Wednesdays, 1610-1740, Training Center. By Dr. William Arnold III, NWC ext. 3493.

Prerequisite: EE569C: State Variables in Automatic Control or equivalent or consent of instructor. Scope: Applications of variational methods, Pontryagin's Maximum Principle, and dynamic programming to problems of optimal control theory; iterative numerical techniques for finding optimal trajectories.

Text: *Optimal Control Theory*. Donald Kirk. Prentice-Hall, 1970.

EE360B: Linear Systems II (3 units)

September 12-December 19, Mondays, 1605-1905, Training Center. By Professor Ed Hribar, CSUN, (818) 885-2180.

Prerequisite: EE360A: Linear Systems I or equivalent or consent of instructor.

Scope: Continuation of EE360A with concentration on discrete system models. Techniques developed include Laplace transform, Fourier analysis, Impulse response, convolution and state variables for discrete

linear systems.

Text: *Linear Systems, Time Domain and Transform Analysis*. O'Flynn and Moriarty. Wiley and Sons.

Note: This is a core course for the bachelor's degree program in electrical engineering. This is a required foundation course for the master's degree program in electrical engineering.

EE465A: Electronics II (4 units)

September 6-December 20; lecture on Tuesdays and Thursdays, 1610-1740, at the Training Center; laboratory on Fridays, 1730-2030, at Cerro Coso Community College. By Donald Quist, NWC ext. 6275.

Prerequisite: EE365: Electronics I or equivalent and EE360A: Linear Systems I or equivalent or consent of instructor.

Corequisite: EE360B: Linear Systems II.

Scope: A continuation of EE365. Frequency dependence of single-state and cascaded amplifiers, power amplifiers, feedback amplifiers and stability, oscillators. Modulation and detection.

Text: *Microelectronics*. Miltman and Garbel. McGraw-Hill, second edition.

Note: This is a senior elective for the CSUN bachelor's degree program in electrical engineering.

IE405: Engineering Decision/Risk Analysis (3 units)

September 6-December 20, Tuesdays, 1530-1830, Training Center. By Professor Mel Lipson, CSUN, (818) 885-2166.

Prerequisite: IE304: Engineering Economy or equivalent desired but

not required.

Scope: An introduction to design and project evaluation methods in the context of industrial manufacturing engineering problem situations. Provides an organizing framework for dealing with unstructured problems and for planning the synthesis, analysis and evaluation of solutions. Includes introductory material on engineering decision/risk analysis, reliability and maintainability as design parameters and technological forecasting.

Text: Students will purchase formal notes from the instructor.

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

AM316: Engineering Dynamics (3 units)

September 7-December 14; Mondays, Wednesdays, and Fridays; 1130-1230; Training Center. By Dr. Frank Wu, NWC ext. 3632.

Prerequisite: Math 6d: Calculus IV or course in differential equations and Physics Ia: Mechanics or consent of instructor.

Scope: Vector calculus and kinematics, force, equations of motion, energy and momentum principles applied to the dynamic behavior of rigid and deformable solids. Text: *Engineering Mechanics, Vol. II*. Meriam. John Wiley, second edition.

Note: This is a required core course for the bachelor's degree program in electrical engineering.

ME490: Fluid Dynamics (3 units)

September 8-December 22, Thursdays, 1610-1910, Training Center. By Dr. Gutmark, NWC ext.

1079.

Prerequisite: ME390: Fluid Mechanics or equivalent or consent of instructor.

Scope: Continuation of ME390, with applications to systems of engineering interest. Potential flows, boundary layers, laminar and turbulent flows, lift and drag. One-dimensional compressible flow with area change, normal shock waves, oblique shock waves and Prandtl-Meyer expansions. Experimental, numerical and analytical solution techniques are explored.

Text: *Gas Dynamics, Vol. I*. Zucrow. Wiley, 1976.

ME509: Numerical Methods in Engineering Systems (3 units)

September 7-December 19, Mondays and Wednesdays, 1610-1740, Training Center. By Mr. Dave Singh, NWC ext. 3534.

Prerequisite: Knowledge of FORTRAN programming or consent of instructor.

Scope: Application of numerical techniques to selected problems in engineering. Coverage includes both classical and recently developed methods. Emphasis will be phenomena described by ordinary and partial differential equations with applications to structural analysis, heat transfer and fluid mechanics and electromagnetic fields and waves.

Text: *Applied Numerical Analysis*. Gerald and Wheatley. Addison Wesley, third edition.

Note: This is a core course for the CSUN master's degree programs in mechanical engineering and applied mechanics.

Math 477: Theory of Probability (5 quarter units)

September 8-November 17, Thursdays, 1610-2110, Training Center. By Professor John Dirkse, CSB.

Prerequisite: Math 6c: Calculus III or equivalent or consent of instructor. Scope: Axiomatic probability, random variables, density and distribution functions, common probability distributions, conditional probability, moment generating functions, combinatorial theory, central limit theorem.

Text: To be announced. Note: This is a core course for all BSCS options and a required foundation course for the MSCS degree program. This is a required foundation course for the Cal-State Northridge master's degree program in systems engineering.

General Comments
1. Textbooks are available at bookstores locally.
2. Job-related courses other than those listed above or those offered under contract with Cal-State Chico or Cal-State Bakersfield must be approved on an off-center Training Request (DD Form 1556) before registration if the Naval Weapons Center (NWC) is expected to pay for the training.

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



Promotional opportunities

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

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

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

No. 08-031, Payroll Clerk, DG-544-1/2, Code 0853. This position is located in the Payroll Branch of the Customer Services Division of Central Staff. The incumbent performs routine research of payroll records to correct leave data; prepares changes to employee earnings, deductions and leave records; prepares report of leave and earnings data. Job Relevant Criteria: Ability to perform payroll operations; ability to do work of payroll clerk without more than normal supervision; ability to work rapidly and accurately with numbers, names, codes and symbols. Promotion potential to DG-3.

No. 33-012, Supervisory Interdisciplinary Aerospace Engineer/Mechanical Engineer, DP-861/830-3, Code 3386. This position is Head of the Systems Engineering Branch, Survivability and Lethality Division of the Fuze and Sensors Department. The incumbent will be involved in the design, development, test and evaluation and application of air combat survivability enhancement technology to aircraft and missiles. The position also includes the management of Center activities in the Joint Live Fire and Aircraft Battle Damage Repair programs. The position requires some travel. Job Relevant Criteria: Knowledge of the air combat survivability discipline; knowledge of aircraft mechanical subsystems (i.e. propulsion, fuel systems, etc.); knowledge of the tri-service survivability program and community; knowledge of military aircraft; ability to effectively deal with NAVAIR sponsors; ability to effectively deal with personnel of diverse backgrounds; ability to support NWC/EEO goals and objectives. Promotion potential to DP-4, but not guaranteed.

No. 33-013, Supervisory Engineering Technician, DP-802-3, Code 3386. This position is Head of the Systems Engineering Branch, Survivability and Lethality Division of the Fuze and Sensors Department. The incumbent will be involved in the design, development, test and evaluation and application of air combat survivability enhancement technology to

aircraft and missiles. The position also includes the management of Center activities in the Joint Live Fire and Aircraft Battle Damage Repair programs. The position requires some travel. Job Relevant Criteria: Knowledge of the air combat survivability discipline; knowledge of aircraft mechanical subsystems (i.e. propulsion, fuel systems, etc.); knowledge of the tri-service survivability program and community; knowledge of military aircraft; ability to effectively deal with NAVAIR sponsors; ability to effectively deal with personnel of diverse backgrounds; ability to support NWC/EEO goals and objectives.

No. 33-014, Computer Scientist, DP-1550-1, Code 3313. This is a Software Engineering position. It is located in the Radio Frequency (RF) Branch. The Branch is responsible for providing RF fuzing support for various missile systems. The incumbent will be responsible for understanding, maintaining and operating Radar-Cross-Section (RCS) prediction codes, imaging software, and simulation programs. In addition, the incumbent will provide software assistance to other Branch members, up to and including the performance of system manager tasks on various computer systems. Job Relevant Criteria: Knowledge of mini-computer operation; knowledge of 3D graphics; knowledge of RCS prediction techniques; ability to program in FORTRAN. Promotion potential to DP-3.

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Secretarial opportunities

This column is used to announce secretarial 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 secretarial 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. 35-009, Secretary (Typing), DG-318-A/1, Code 3561. Incumbent provides support to the Software Development Branch. Ability to use Xerox 860 and Star is desirable. Promotion potential to DG-1.

More donors are required! Recipients need additional hours

Employees indicated below have been approved to become leave recipients under the Leave Transfer Program. These employees have exhausted annual and/or sick leave because of personal emergencies and will be in a non-pay status for at least ten days. Employees who wish to help a leave recipient may donate annual leave to the employee. NAVWPNCEN 12630 provides specific information regarding how to donate annual leave.

Glen L. Linden, Facilities Management Specialist, Code 2634 — was hospitalized in June and has exhausted his leave (both sick and annual). He is the primary source of income for his family. The loss of income is a severe hardship for his spouse and family. Linden is still off work and, at this time, it is unknown when he will be able to return to work.

Michelle A. Marcus, Engineering Technician, Code 3941 — is presently in remission from acute

leukemia. She has now undergone her second chemotherapy and is presently recuperating. Her annual and sick leave is exhausted. Marcus was working, as she was able to, up to four hours a day.

Trudy A. Martinez, Purchasing Agent, Code 25224 — had a severe illness in November 1987 which exhausted all her sick and annual leave. She underwent cataract extraction with intraocular lens implant in the left and right eyes. Being off in February and also in June and July has diminished what leave she had, plus. She is now back to work and looking to continue with her job.

Thomas A. Boyd, Visual Information Specialist, Code 3414 — has undergone extensive abdominal surgeries. He is presently working a few hours a day, as he can. His leave is exhausted, and he is still under the care of a physician. His condition is still unstable at this time. Boyd is hoping that his condition will improve soon so that he will be able to return to full time work.

EMPF needs a material engineer to fill vacancy

The following is a Merit Staffing Program vacancy announcement issued by the Consolidated Civilian Personnel Office, Philadelphia Bldg. 75, Naval Base, Philadelphia, PA 19112-5073.

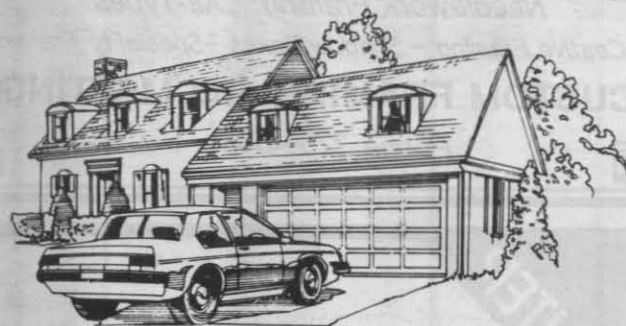
No. 339A-88, Material Engineer, GS-8 06-9 11 1 / 1 2 . \$29,199/\$31,383/\$33,979 PA. Naval Industrial Resources Activity Detachment, EMPF, Ridgecrest, CA. Note: This position may be filled at the GS-09, GS-11 or GS-12 level. Please indicate the grade(s) for which you are applying. A selectee brought in at the GS-09 or GS-11 level may be promoted through intervening grades to the full performance level in accordance with information provided below in "How to apply."

This position is located in the Material and Process Research Department, Electronics Manufacturing Production Facility, Naval Industrial Resources Support Activity, Detachment, (NAVIRSA), Duty Station — Ridgecrest, CA. The selectee of this position will be responsible for the performance of the following duties:

- conduct independent research efforts in support of and under the guidance of an EMPF project manager and the department supervisor
- provide quarterly project status reports and final reports to the Material and Process Research Lab Department supervisor
- recommend appropriate software, test equipment, instrumentation or literature which would aid in the analysis and research of materials and processes
- develop test methods and procedures consistent with the project scope and objectives
- responsible for the scheduling and acquisition of resources necessary for the execution of test procedures
- participate in activities which foster and facilitate the transfer of any technological information within the boundaries of the EMPF's mission areas
- promote the modification to any related military industry specifications or practices which conflict with the results or conclusions of the incumbent's engineering activities

-perform other duties as assigned. Basic qualification requirements: In addition to meeting the time-in-grade restrictions, applicants must meet the experience requirement specified in Civil Service Handbook X-118, Series Group 800. Evaluation methods: Basically eligible applicants will be evaluated on the following job-related criteria on the basis of experience and training, supervisory appraisals and awards received. Job-related ranking elements: Knowledge of material engineering principles and practices applicable to full range of engineering, analysis, research and development duties; knowledge of related engineering fields, particularly electrical and electronic circuit theory; ability to communicate orally and in writing. Note: Attach a statement describing how you meet the knowledge, skill and/or ability required by each ranking element and identify which job, volunteer work, etc., education or training shown on your SF-171 gave you this knowledge, skill and/or ability.

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Classes planned for Bakersfield

The following classes are being offered this fall for the Cal-State Bakersfield bachelor's degree in business and master's degree in administration programs. To enroll in these classes, submit an on-Center Training Request (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held at the first class meeting. Deadline for enrolling is ten calendar days before the starting date of the class.

ADM 572: Science, Technology and Administration (5 quarter units)

September 20-November 22, Tuesdays, 4:10 to 9:10 p.m., Training Center. By George Linsteadt, NWC ext. 1074, and Bob Glen, NWC ext. 2049, NWC.

Scope: This course will explore the role of science and technology in federal, state, and local public agencies and in the private sector. Emphasis will be placed on the institutions and processes involved with the history and application of science and technology to national affairs. Topics include congressional and executive roles in science and

technology; policy development; organizing, governing, and regulating science; innovation and federal research and development; and international and domestic technology transfer and utilization.

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

MGT 300: Management and Organizational Behavior (5 quarter units)

September 21-November 30, Wednesdays, 4:10 to 9:10 p.m., Training Center. By: Dr. Marsh, CSUB.

Scope: An introduction to organizational and management concepts and theories with special attention to the functions of management, individual and group behavior, perception, motivation, influence processes, interpersonal communication and international issues.

Note: This is a core course for the bachelor's degree program in business administration. This is a required foundation course for the master's degree program in administration.

POL SCI 308: Government and Politics in China (5 quarter units)

September 19-November 28, Mondays, 4:10 to 9:10 p.m., Training Center. By: Professor Geigle, CSUB.

Scope: An examination of institutions and processes of government in China. Emphasis on the ideas of Marx, Lenin, and Mao; the Chinese political culture; the party; the military; communalization; and the cultural revolution as determinants of contemporary politics and policy change in China.

Note: This course satisfies general education goal IX for CSUB bachelor's degree students. This course satisfies the non-Western studies requirement for CSUC bachelor's degree students.

MIS 440: Decision Support Systems (5 quarter units)

September 20-November 22, Tuesdays, 4:10 to 9:10 p.m., Training Center. By: Professor McNamara, CSUB, (805) 833-2340 or (805) 833-2157.

Prerequisite: MGT 301: Quantitative Methods and Information Systems or equivalent or consent

of instructor.

Scope: Comparative analysis of electronic data processing, management information systems (MIS) and decision support systems (DSS). Discussion of the process of building a DSS. Topics include DSS requirements, interactive design for DSS, system analysis and design for DSS, artificial intelligence and DSS, expert systems and knowledge engineering and DSS. The student will design a framework for DSS and will analyze a commercial DSS product to suit this framework.

Text: Students will purchase copies of the text from the instructor.

General Comments

1. Textbooks are available at bookstores locally.

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

For more information about any of these programs or classes, contact Cecil Webb at NWC ext. 2648.

Changes made in schedule

Due to unexpected circumstances, changes in Cal-State Bakersfield's **MGT 300: Management and Organization Behavior** had to be made. The course will be taught by Dr. Marsh on Wednesday nights from 4:10 to 9:10 p.m., commencing September 21.

Writing exam set for CSUN

On Thursday, Sept. 8, the English Writing Proficiency test will be given to undergraduate and graduate students of Cal-State Northridge (CSUN).

CSUN students should take the exam as soon as application for admission has been approved. Undergraduate students must pass the exam before graduation. This test must be passed before the student is granted unconditional status as a master's candidate.

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

The exam fee is \$12. Checks must be made payable to California State University Northridge (CSUN). Contact Cyndi Jones, NWC ext. 2648, to arrange to take the exam.

CSUC schedules courses

The following classes are being offered this fall for the Cal-State Chico Computer Science Program (bachelor's and master's degrees). To enroll in these classes, submit a Training Request and Authorization Form (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held in class at the first class meeting. Deadline for enrolling is ten calendar days before the starting date of the class.

CSCI 151: ALGORITHMS AND DATA STRUCTURES (3 units)
August 30 - December 15; Tuesdays and Thursdays, 8 to 9:15 a.m.; Training Center. By Professor Luker, CSUC.

Prerequisite: CS 16: Pascal or equivalent or consent of instructor.

Scope: The representation, application and processing of a wide range of data structures, including lists, trees and graphs. The analysis of algorithms. Recursive and iterative techniques for problem solving. Program style and program verification.

Text: *Data Structures and Abstract Data Types and Pascal*. Stubbs and Webre. Brooks/Cole, 1985.

Note: This is a core course for all BSCS options and a required foundation course for the MSCS degree program.

CSCI 231: COMPUTER GRAPHICS (3 units)

August 30 - December 15; Tuesdays and Thursdays, 11 a.m. to 12:15 p.m.; Training Center. By Professor Duncan, CSUC.

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

Scope: This course covers a wide variety of topics of current interest in Computer Graphics. Starting with simple graphics building blocks such as line drawing and window-to-viewpoint mapping, the topics proceed to advanced 3-D curve fitting and shading techniques.

Textbook: *Computer Graphics*. Hearn and Baker. Prentice-Hall, 1986 edition.

CSCI 397-1: SEMINAR IN ADVANCED TOPICS: SECURITY AND PRIVACY (3 units)

August 30 - December 15; Tuesdays and Thursdays, 2 to 3:15 p.m.; Training Center. By Professor Pinkert, CSUC.

Scope: The class will begin with a historical discussion of cryptography. Emphasis then shifts to security in computer systems, particularly

identification, authorization, operating system security, data flow and business scene. Security considerations, especially for multi-organization transactions, will be covered as a specialized extension of some of the more general previous discussions. Computer systems are similar to other assets and businesses in certain aspects of security, and these will be the next topic. Included are such areas as physical security, site selection, insurance for hardware and data liability insurance.

CSCI 225: CONTINUOUS SYSTEMS SIMULATION LANGUAGES AND APPLICATIONS (3 units)

September 24-25, October 29-30, December 3-4; Saturdays and Sundays, 8 a.m. to 4 p.m.; Training Center. By CSUC staff.

Prerequisite: Math 6b; Analytic Geometry and Calculus II or equivalent and CS 16: Pascal or CS 23: Fortran Programming Language or equivalent or consent of instructor.

Scope: A survey of continuous systems simulation languages and applications. An in-depth study of some popular languages (such as CSSL-IV, CSMP II, ISIM or MIM-IC) for the simulation and analysis of dynamic systems of physical, biological, social, engineering and environmental sciences.

CSCI 376: THEORY OF INFORMATION RETRIEVAL (3 units)

October 15-16, November 19-20, December 17-18; Saturdays and Sundays, 8 a.m. to 4 p.m.; Training Center. By CSUC staff.

Prerequisite: CSCI 172; Systems Architecture or equivalent or consent of instructor.

Scope: Theory and analysis of arithmetic and non-arithmetic systems, processing techniques and functions as applied to syntax analysis, automatic word assignment and phrases to semantic categories, word identification and strings, logical structure and semantics of thesaurus and query systems.

MATH 477: THEORY OF PROBABILITY (5 quarter units)

September 8 to November 17; Thursdays, 4:10 to 9:10 p.m.; Training Center. By: Professor John Dirkse, CSB.

Prerequisite: Math 6c: Calculus III or equivalent or consent of instructor.

Scope: Axiomatic probability, random variables, density and distribution functions, common probability

distributions, conditional probability, moment generating functions, combinatorial theory, central limit theorem.

Text: TBA

Note: This is a core course for all BSCS options and a required foundation course for the MSCS degree program. This is a required foundation course for the Cal-State Northridge master's degree program in Systems Engineering.

Textbooks are available at bookstores locally.

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

Counselors to be here next month

Academic counselors of Cal-State Bakersfield will be on-Center September 2 to advise current and prospective students in the external degree programs offered by that school.

External degree programs offered at the Naval Weapons Center (NWC) by Bakersfield include a bachelor's degree in business administration and a master's degree in administration. Bakersfield also provides math courses in other external degree programs at NWC.

Those who wish to see one of the academic counselors are asked to make an appointment by telephoning Michelle Clark at NWC ext. 2648.

Cerro Coso College sets up registration

Cerro Coso Community College announces registration dates for the fall 1988 semester which begins August 17 and concludes December 20.

Continuing students may register for classes by appointment only on August 8 and 9 from 9 a.m. to 6:30 p.m. New and continuing student registration will be conducted on August 10 and 11 from 9 a.m. to 6:30 p.m. by appointment only. New students attending an orientation session will register immediately following the session on August 10 and 11. Registration appointments may be made by contacting the college at 375-5001 between August 1 and 16 from 9 a.m. to 5 p.m.

Walk-in registration will be conducted on August 15 and 16 from 9 a.m. to 6:30 p.m. on a first-come, first-served basis, no appointment necessary. An enrollment fee of \$5 per unit up to nine units or a flat fee of \$50 for 10 or more units is required at the time of registration.

All new students attending Cerro Coso Community College for the first time during the fall semester are required to take a placement examination and attend an orientation session at the college. Students with an associate's degree or high-

er or those individuals enrolling in classes with no prerequisites are not required to attend.

To schedule a placement exam, students may call the Student Services Center at 375-5001, ext. 219. A counselor will assist new students in interpretation of the placement exam scores, class selection, educational goals, career planning and placement cards. Class placement cards are necessary for all new students enrolling in all courses with reading, writing or math level prerequisites. Continuing students must have a placement card for all English, math, general studies and business office careers courses. Students may schedule an appointment to see a counselor at the same time they sign-up to take a placement exam.

All residents of the Kern Community College District are eligible to enroll in classes if they are high school graduates, 18 years of age or over, or high school juniors or seniors with written approval of their principals.

For more information on registration, placement examinations, orientation sessions, financial aid or any of the other services offered by the college, contact Cerro Coso at 375-5001.



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Do not mail applications to the State Personnel Board. Eligibles will be notified of the time and place of examination.

Applications must be postmarked no later than Aug. 18, 1988

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