

REHABILITATED - Jeff Novak, a veterinarian from the Ridgecrest Animal Hospital, cuts leather restraining anklets from a female red tail hawk prior to releasing her at the golf course. The 8-year-old hawk, pictured in the Rocketeer on July 19, had become covered in oil and was unable to fly. Novak and Beverly Kohfield from the Environmental Branch in the Public Works Department cleaned her, spliced in nine feathers to replace damaged ones and kept her fed until she was sufficiently recovered to be able to care for herself.

For example, the One-to-One program

sponsored by the Desert Counseling Clinic,

which is a program for children ages six to

16 who need guidance and attention, is in

dire need of men to participate in the pro-

High Desert Nutrition Program needs

drivers to deliver meals to home-bound

seniors and kitchen aides to help prepare

meals. In addition, the Indian Wells Valley

Association of Retarded Citizens needs

persons willing to volunteer time to act as

receptionist and to complete library index-

ing. These are just a few of the community

agencies to which Miss Duvall refers

productive way for newcomers and long-

time residents of the area to learn about an

often unseen side of the community, it also

benefits various organizations that would

not be able to function at maximum capac-

For more information, telephone Miss

Duvall Tuesdays, Wednesdays, or Thurs-

ity without volunteer assistance.

days from 9 a.m. to 3 p.m. at 375-9662.

Not only does this program provide a

able-bodied volunteers.

IWV Volunteer Center moves to new location; volunteers sought

The Indian Wells Valley Volunteer Center recently moved to the Stein Law Building. located at 941 E. Ridgecrest Blvd., and the telephone number is 375-9662, according to Carolyn Duvall, Interim Director of the

According to Miss Duvall, the goal of the United Way-sponsored activity is to "provide volunteer assistance to agencies within the local community that have the need, but not the funds." Based in Bakersfield, the program has

had a local office for approximately one year which before the recent move, was housed in the Chamber of Commerce build-

Currently, approximately 25 volunteers are actively involved with programs that need assistance; Miss Duvall stresses that

Fall fashion show slated at meeting of Christian Women

The Christian Women's Club will see back-to-school fashions by J. C. Penney at sioned Officers' Mess.

Additionally, Bonnie Smith from Pasadena will present musical selections and an inspirational message entitled "ABCs of Living."

Reservations and further information about the club can be obtained by telephoning 375-7435. Those who wish to make use of free nursery service for children aged 5 and under should telephone 446-2685



			Peak
	Max.	Min.	wind
Fri.	102	56	
Sat.		-	_
Sun.	104	59	-
Mon.	104	60	18 knots
Tues.	98	69	_
Wed.	107	62	26 knots
T urs.	103	65	30 knots

All measurements are made at Armitage

Time running short to buy tickets for **CPO Hawaiian luau**

Summer at China Lake would not be complete without the annual CPOM Hawaiian Luau scheduled for Saturday, Aug. 24 at

The IMU Ceremony (removal of the cooked pig from the pit) starts the festivities off at 5:30, and dinner will be served from 6:30 to 7:30.

Entertainment in various forms will be provided for the pleasure of those attending. Once again, the world renowned talent of "Portia Senoa and the Polynesian Extravaganza" will be featured. For dancing pleasure, this group will play serenade music from 7:30 to 9. The spectacular floor show begins at 9, and continues until 10:15.

This dazzling performance is enhanced by the colorful costumes and exciting dancers. Following the performance, diners may dance the night away to more serenade music that will continue until

Tickets, which are limited in number, are \$18 per person, and can be purchased at the CPOM. Don't miss this opportunity for an evening of exotic entertainment and dancing fun. For more information, telephone

County fair buffs have treat ahead at fair in Victorville

County fair buffs have nine days to enjoy the San Bernardino County Fair at Victorville, which opens tomorrow. Regular admission to the fair is \$3 for adults and \$1 for children aged 6 to 12, but on Aug. 13 all service personnel and their families will be admitted for \$1 per person.

Grandstand entertainment on that day (included in the admission price) will be provided at 7 and 9 p.m. shows by Jan and Dean, a surf-rock duo, and the Gramaphone Break Dance contest will be held at 8 p.m. in the 7-Up Pavillion. (Weekend shows at the grandstand are not included in admission; weekday shows

As well as nightly shows and contests, the fair includes agricultural and 4-H exhibits, and a midway with numerous rides. Weekend fair hours are 10 a.m. to 11 p.m.; weekdays the fair is open from 1 to 11 p.m.

The fairgrounds in Victorville can be reached by heading south on Highway 395 to Dobie Corners, then turning east on a large coke for \$1.95. These specials will Highway 18 into Victorville.

Navy Hotline for Fraud, Waste and Abuse

Call: NWC ext. 3521 or call the Inspector General at: (800) 522-3451 (toll free) 288-6743 (Autovon) (202) 433-6743 (commercial)

Weekend Roundun

The Enlisted Mess is featuring Surf 'n' Turf as tonight's dinner special from 6 to 9 p.m. Cost per plate is \$16.80. Beginning at 9 p.m. and running until 1 a.m., Steve Malan "Upstage" will be playing disco music for the dancing pleasure of patrons. Dinner special for Saturday evening is a 12 oz. New York steak plate for \$9.40 which

will be served from 6 to 8:30. Tomorrow from 10 a.m. to 4 p.m., the EM Ballroom will be the site of booths and exhibits by community organizations as part of Fun Festival III. Bingo, with prizes, will be set up for youngsters, and a wide variety of activities will be taking place in the

Solar Park throughout the day. Honored guest at the Fun Festival will be Paul Sunderland, one of the gold medalists on the 1984 men's Olympic volleyball team for the United States. He will be present throughout the day to sign autographs and talk to those attending, and will make a short speech during the day.

The Antelope Valley Indian Museum will be open tomorrow and Sunday. The museum is located 18 miles southeast of Lancaster, and is open only the second weekend of every month. Fee for admittance is \$2 per car.



FRIDAY, SUNDAY	1	AUG. 9, 11
-	POLICE ACADEMY	11"
	Starring	
Steve G	uttenberg and Bub	ba Smith
	edy, Rated PG-13, 8	
SATURDAY		AUG. 10
	"CAL"	
	Starring .	
John	Lynch and Helen	Mirren
	al Drama, Rated R,	
MONDAY		AUG. 12
	"THE AVIATOR"	
	Starring	8 01 18 2 3 1
Christophe	Reeves and Rosa	nna Arquette
THE PERSON NAMED IN COLUMN	ic-Drama, Rated Pi	
TUESDAY	THE RESERVE	AUG. 13
	"OLD YELLER"	
	(Matinee)	
	Starring	
Doroth	y McGuire and Fes	s Parker
The second secon	ama, Rated G, 84 n	
WEDNESDAY		AUG. 14
	"A TEST OF LOVE	
	Starring	
Angela Pund	h and McGregor-D	rew Forsythe
(Dra	ama, Rated PG, 94	min.)
THURSDAY		AUG. 15
"COI	NAN, THE DESTRO	YER"
	(Matinee)	
A STATE OF THE STA	Starring	
Arnold Sci	hwarzeneger and G	irace Jones
	dventure, Rated PC	3, 101 min.)
FRIDAY		AUG. 10
"DESPE	RATELY SEEKING	SUSAN"
	Starring	
Mador	nna and Rosanna A	rquette
(Comedy-l	Drama, Rated PG-1	3, 104 min.)
	inee / 2:00 pm Ev Matinee / 1:30 pm	
M	(G) ALL AGES A	
	General Audiences	
O	(PG) ALL AGES / Parental Guidance	
Trans.	(R) RESTRICTED	
0	Under 17 Requires Accompanying Parent or Adult Guardian	

NEX News...

Hungry China Lakers who want to catch quick bite, and take advantage of a September bargain in the process, are welcome to visit the NEX snack bars located throughout the Center.

At the Bowling Alley, the Plaza, the Highland, and the Aerodome, Centerites can pick up a Hamburger Deluxe, french fries, and a large coke for \$2.25.

A breakfast special consisting of French toast, bacon, eggs, and a small coffee for \$2.25 can be ordered at the Plaza, Highland, and Aerodome snack bars.

In Michelson Laboratory's snack bar, a breakfast of french toast, bacon, and coffee can be picked up for \$1.95, and lunch, consisting of a Hamburger Deluxe, chips, and continue for the entire month of September.

The mid August payday will provide funds for patrons of the NEX retail store to take advantage of an outstanding sale scheduled for Wednesday through Saturday, Aug. 14 through 17.

Highlight of the sale will be fall fashions with the opportunity to pick up bargains on clothing appropriate for the upcoming

Kern County Fair news

Wednesday, Aug. 14 is the deadline for hobby entries in this year's Kern County Fair. August 21 is the deadline for art, ceramics, home arts and photography exhib-

For entry forms or additional information on the 1985 Kern County Fair call the fair office at (805) 831-8540.

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Center's SAR helo becomes a welcome sight

mountains or in remote desert areas, the most welcome sound in the world is the chugging of the helicopter blades as NWC's Search and Rescue helicopter approaches.

Last year alone, the Center's SAR crews were credited by the Air Force Rescue Coordination Center at Scott Air Force Base in Illinois with 12 lives saved. This year, they've already been credited with

take place between Memorial Day and Labor Day, a time when hikers and backpackers head to the high country, when mountain climbers (many of whom down Mount Whitney. A few calls have are not as skilled as they themselves believe) try their skills on some of the highest mountains in the United States, and when dirt bikers head off into the desert.

Calls for the SAR crews come from the area encompassed by the Eastern Sierra north to Bishop, the White and Inyo Moun-

mercy flown each year by the SAR crews tains, Saline Valley, Jawbone Canyon, Kennedy Meadows and Red Rock Canyon. Many of the calls are for help for climbers who were attempting various routes up or come from as far off as Panamint Mountains and Death Valley.

Many of the requests for help are initiated by the Inyo or Kern County Sheriff's Offices, or by the China Lake Mountain Rescue Group. The request goes to the AF Rescue Coordination Center — this is to ensure that several helicopters will not concentrate on one mission when others may need help - and the personnel at Scott AFB then officially call out the SAR crew. (Often an informal request is made through the Quarterdeck at NWC so that the helo crew can be alerted and be ready to fly as soon as the official notice is received from

A full report on each mission is filed with the AF Rescue Coordination Center when a mission is completed, and a message is then sent by that organization listing whether or not a "save" has been credited.

While many of the missions involve hovering over rock ledges in the mountains so that injured climbers can be airlifted to hospitals, the calls cover a variety of events.

Last year, for instance, they ranged from carrying those injured in a bus accident to a hospital (resulting in three "saves") to removing an injured pilot from where his ultralight aircraft had crashed in the Panamints to airlifting an injured dirt biker from the Saline Valley. (The biker may have had mixed feelings about his rescue; when he was brought to the hospital, he was identified as an escaped

Those rescued last year ranged in age from 15 to 67 - both being dirt bikers hurt in remote sections of the desert.

Many of those who get into trouble, according to LCdr. Buz Massengale, who heads the SAR group, do so because they lack common sense. They head into the mountains without adequate preparation, without proper equipment, or exceed their capabilities. "There can be plenty of tragedy in this business," he notes.

Since conditions have to be nearly perfect to affect some of the high mountain rescues - no fog or ice or wind - luck plays almost as large a role in whether a rescue can be made as the enormous operational skills of the SAR crews.

"About once a year we have a really scary mission," says LCdr. Massengale. The scary missions often come about because of sudden winds in the mountains.

Because of the wide range of other work that the helicopter crews perform on board, SAR personnel prefer to limit their flights to such missions as medical evacuations.

(Continued on Page 5)

DOD continues fight on fraud and waste

HANGING IN THERE - A Search and Rescue have adequate landing sites for the SAR helo near

Two anonymous complaints reported that nual Report to the Congress. Audit, inspecobstruction of justice, and making false report. statements. The sentence: Five years in prison and \$20,000 fine.

helicopter crewman on the skid of the helo looks

toward a ledge on which an injured climber awaits

rescue. The sheer rock faces of the Sierra often do not is rescued.

An inquiry into an \$88.4 million contract found that \$16.5 million more than needed was spent because of poor contract performance estimates and deficiencies in Their recommendations show ways the performance price evaluations. The conDepartment can trim its spending and intract is under review for possible termina-

A Defense Hotline tip alleged that a DOD ficial investigative report. The allegation Corps of Engineers issued 27.199 reports was confirmed and the employee was fired. and questioned more than \$15.7 million of

Office of the Inspector General's Semian-billion.

During the reporting period (Oct. 1, 1984, through March 31, 1985) 11 separate DOD internal audit and review organizations issued 8,491 reports with potential crease efficiency.

On the contract audit side, the Defense These are just some of the many diverse pre-award and post-award contract costs. examples of DOD efforts to check fraud. Of the reports issued, 7,935 were closed, waste and abuse that are outlined in the resulting in a net savings of more than \$2.8

Criminal investigations during this a civilian engineer was receiving unlawful tion and investigation activities and ac- period resulted in fines, penalties, restitugratuities from a contractor. A six-count complishments that save money and imfederal grand jury indictment charged the prove the management of Department of than \$37 million. The Defense Criminal Inengineer with accepting bribes, conspiracy, Defense operations are summarized in the vestigative Service, the Army Criminal Investigation Command, the Naval Investigative Service and the Air Force Office of Special Investigations together closed 7,639 cases. The result: 468 convictions and indictments and 236 contractor suspensions and debarments.

places where climbers or hikers have fallen, requiring

the helicopter hover in place while the injured person

The Defense Hotline program continues ditional 4,111 calls and letters. Significant the reunion. Hotline cases dealt with unauthorized ser- Although the Muckers were most involvfalse reporting, criminal misconduct, abuse way, so all hands are invited. of overtime and overpriced spare parts.

Reunion billed for all muckers

Next Thursday is the anniversary of the day that the skies opened and water poured upon the Indian Wells Valley - and into Michelson Laboratory.

In honor of the first anniversary of the "Great Flood," Capt. K. A. Dickerson invites all Center personnel to join with him at the main entrance to Mich Lab Thursday afternoon at 3:45 when a plaque will be dedicated. The plaque contains the names of all 719 "Mich Lab Muckers."

to be an important avenue for reporting Following the dedication, everyone on fraud, waste and abuse according to the board is invited to attend the first Muckers report. During the reporting period, 3,941 Reunion at Solar Park, next to the Enlisted investigator falsified information on an of- Contract Audit Agency and the U.S. Army calls and letters were received. The Mess. Free liquid refreshments, chips and military service's hotlines recorded an ad- dips will be served to everyone attending

vices, waste of funds, excessive pricing, ed in the clean-up, everyone shared in some



SUNDAY WORSHIP SERVICE SUNDAY SCHOOL (Annexes 1, 2 and 4) September thru June BIBLE STUDY (East Wing)

Tuesday 7:30 p.m. Wednesday 11:30 a.m. Thursday . 7 p.m.

September thru June Officer's Christian Fellowship Christian Military Fellowship ROMAN CATHOLIC

SUNDAY MASS 8:30 a.m. COMMUNION SERVICE (Monday) 11:35 a.m. DAILY MASS (Tuesday through Friday) 11:35 a.m. CONFESSIONS (Friday) 4:30-5 p.m. RELIGIOUS EDUCATION CLASSES (Sunday) September thru June 10 a.m. **JEWISH** WEEKLY SERVICES (Friday, East Wing) 7:30 p.m.

RELIGIOUS SCHOOL (Sundays, Annex 95) Chaplain J. Milton Collins, Capt., CHC, USN Chaplain A. J. Smith, Cdr., CHC, USN Chaplain Jason E. Knott, Lt., CHC, USN Phone, NWC ext. 3506, 3507

Sunday School registration opens

ADULT EDUCATION (Saturdays, Annex 4)

Starting on Sunday, September 8, the through adults. Protestant Sunday School will hold classes from 9 to 10 a.m. in the chapel annexes,

Employee in the Spotlight

(Nursery provided) September thru June

Registration for these classes will begin west of the Branch Medical Clinic, as well Ship service and in the chapel office during

9 a.m.

Smallpox vaccinations needed despite no new cases in world

The last natural case of smallpox in the

Air Force Lt. Col. John R. Herbold, DVM. of the Assistant Secretary of Defense for Health Affairs, answers: "To deter the potential use of smallpox virus as a biological warfare agent against our troops."

cinating troops against a disease that has been "eradicated" has been considered by the Armed Forced Epidemiological Board for the last 10 years. The board has stated that public health consideration would dictate that routine smallpox vaccinations be tion, so that an on-going risk-benefit discontinued, but added "its continued use assessment can be accomplished." in military forces should be a command decision based on intelligence information and strategic needs," says Herbold.

Following a careful deliberation, the assistant secretary of defense for health affairs decided in March that the military would continue to immunize all military personnel against smallpox.

suspended smallpox immunization. "This." says Herbold, "caused some misunderstandings. The reason the vaccinations were interrupted was because of a shortage of Vaccinia immune globulin, a biologic product used to treat people who suffer complications from vaccination." Once the shortage was overcome, the vaccinations were resumed

"However," says Herbold, "an equal concern with the vaccinations is the protection of the public health. Since pediatricians stopped immunizing children against smallpox in the '70s, more and more on Sunday, Aug. 18, after the morning wor- civilians have not been immunized." The vaccine is a live virus and can exist at the as in the East Wing of the All Faith Chapel. the week. Those who are interested can vaccination site for more than 10 days. Ac-Classes will be for all ages from age 2 also register by telephoning NWC ext. 2873. cidental contact with the vaccinia virus

Since recruits are generally isolated from world occurred in 1977, and there hasn't the general population during basic trainbeen a case in the United States since 1953. ing, this is usually not a major concern. But the U.S. Armed Forces continue to "However," says Herbold, "if someone had vaccinate new recruits against the disease. to go home on emergency leave, they would need to be aware of the precautions to prevent secondary spread." Herbold points out PhD, a senior policy analyst with the Office that the potential for secondary spread comes only through "close contact with a

Although the potential for individual vaccine complications can be minimized by The question of whether to continue vac- screening an already select and healthy population, such as military recruits, prior to immunization, Herbold emphasized that "each service medical department has complications associated with immuniza-

> By Tom Joyce American Forces Information Service

Students new to area schools can Last year the services temporarily register now

Students who are new to the Sierra Sands School District should be registered for the new school year as soon as possible to make effective pre-school planning possible.

Anyone new to the Indian Wells Valley is asked to register their school-age children at the Sierra Sands School District Office, 113 Felspar in Ridgecrest. between 7:30 a.m. and 3:30 p.m. any weekday. Proof of age and immunization records are needed at the time of registration.

School will open in the local area on Tuesday, September 4.

Carl Halsey finds 35 years at China Lake continuous learning experience

Associate Division Head for Public Works station's annex facility at Pasadena Department's Geothermal Utilization Divi-

From the time he started at the then Naval Ordnance Test Station in 1950 until today, Halsey has been a man on the go. Counting four years active duty in the Air Force he has 35 years of Federal Service, each of them, in his view, rewarding.

In the course of his 30-plus years association with China Lake, Halsey has been all over the world. As he put it, "from Vietnam as a civilian to the Republic of Senegal and most points in between."

The associate division head says he dous support he's received from his wife, Marie (who works in the Supply Depart- nuclear bomb off Palomares, Spain in 1966 ment) and their sons, Greg, Ron, and Dave. Their support and understanding when he Research Vehicle) developed at NOTS' was on the road frequently made it much Pasadena Annex was a high point of easier to carry out his job.

learning experience for Carl Halsey, now ment in 1955 and in 1960 transferred to the

It was back to China Lake for Halsey in 1966 when the Pasadena lab broke away from NOTS. He noted all the China Lakers when the separation time came.

ment control in 1977 with Dr. Carl Austin, his experiences.

and the Center's geothermal program is the hobby than a full time profession. only one like it in the Navy at this time,
The associate division head is also quick

His involvement in recovery of a missing by CURV (Cable Controlled Underwater Halsey's career.

Halsey joined the China Lake team in As associate division head, Halsey is

China Lake has been one continuous came back to the NOTS Research Depart- development contracting moving and supervises the division's ordnance research efforts. He noted this was probably the only public works department in the Navy with an ordnance research operation.

> He commented that he has worked with who had transferred to Pasadena were groups from all over the world on ordnance given the option of returning to China Lake research since starting to work for China Lake the second time. "China Lake has Halsey stayed with NWC's Research been a real school for me . . . I've worked Department until geothermal activities with a lot of brilliant professors and scienwere transferred to Public Works Depart- tists," stressed Halsey when talking about

> Halsey also points out his job, with the NWC has led the way for the Navy and full support of his bosses, is so enjoyable DOD in exploring alternate energy sources and interesting it has been more like a

geothermal and ordnance research. "Without them I couldn't begin to accomplish as much as I have," commented Halsey. He called them essential to the operation of the division.

There is a real hobby on the side however, a new venture in growing pecans on the family's Brown Road ranch. His orchard is new and still developing, but the trees are growing.

Halsey said the operation is one that can largely be run at night or automated so it doesn't take a lot of time, at least in the

All the traveling and all the work has been well worth it in Carl Halsey's eyes. His experiences while working for China Lake have brought him a wealth of knowledge and experience he won't soon forget.



GEOTHERMAL WORK - Carl Halsey, associate head of Public Works Department's Geothermal Utilization Division, talks about geothermal development at China Lake with Sharon Berry, head of the division's project office. - Photo by PH2 Rick Moore



1950, went in the Air Force for four years, responsible for keeping geothermal

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August 9, 1985

launch boats.

Dorothy and Purple Lakes.

of the Sierra Nevada.

in the lake.

basin.

VX-5, Doc's leading military softball league

lead in Military Softball League standings hits each.

after one week of play in August. The Hornets with an 0-11 record bring up the tail of the loop at this point in the game.

Doc's 30, Hornets 15

Corder allowed 15 hits while he and his teammates garnered 26 hits and seven homer in the winning cause while Walker, Eden, Smith and Weeks.

three matches in a week-long stay in the

Indian Wells Valley. They spent the rest of

the week traveling in the high desert area

Isabella is low

are what most anglers are catching.

and in the evening.

by Mike Vradenburg

fishing is very slow. Catfish and bluegill

A few bass are being caught but the

Two trout over three pounds were caught

feeding on the food entering their area.

Lake Isabella's level is still falling and

VX-5 and Doc's softball squads share the Barnes, Blevins and Spraggins had four Whittle's three hits paced the NWC O's homered in the loss.

For the Hornets, Kuhar's triple and double were the only extra base hits of the

Outlaws 22, NWC O's 6

Trailing 4-0 after one inning, the Outlaws rallied with six runs in the third frame to go on to a 22-6 win against the NWC O's. Killwalks off Barnes as the Doc's squad rolled inger pitched a 10-hitter while the winners past the Hornets, 30-15. Corder added a collected 26 hits including four each by

while Vanderkamp added two singles and Luchese clubbed a double in the loss.

Devils 21, Bears 18

Jumping out to a 10-4 first inning lead, the Devils never looked back as they whipped the Bears. The winner amassed 23 hits including four from Chilton and a triple off the bat of Harvey. Chilton was the winning

Waugh's three hits included a home run as the Bears got 19 hits. Hensely also

VX-5 27, CPO's 4

Home runs from Flick and Cirenilli and Harmon keyed the VX-5 attack as they were easy winners. A 13-run second inning clinched the win for VX-5. Harmon was the winning pitcher while Cirenilli had five hits in as many trips to the plate.

D. Berry gave up 29 hits as the losing pitcher. Parrie had three hits in the loss including a double, CPO's only extra base hit. Panek also added two hits in the con-

NWC O's 20, Bears 17

Holding a slim 5-4 lead after one inning, the NWC O's maintained the edge as they overcame a 10-run third inning by the Bears for a 20-17 NWC O win. Whittle's five hits, including a triple, and Knott's five hits that also included a triple paced the winning effort.

Myers and Waugh had three hits each for the Bears. Bormett was the losing pitcher while Knott picked up the win by allowing only 20 hits. Nicely and Griffen added two hits each in the loss.

VX-5 24, Devils 10

Handing the Devils their seventh loss of the season, VX-5 rolled to a 24-10 win picking up 22 hits along the way.

A homer and two triples by Viviani keyed the winning attack. Marselek had three singles while Cirenilli added a homer, double and single.

Greg's triple was the only extra base hit for the Devils while Chilton Wagner and Brown had two singles each.

Doc's 27, CPO's 14

Ripping CPO pitching for 31 hits, the Doc's squad rolled to an easy victory this week for win number 10. Spraggins had three homers while Blevins added two and Washburn had one circuit clout. Corder was the winning pitcher, giving up 16 hits in six

For the CPO's, Purdy's double was one of just two extra base hits, the other a double by Parrie

Outlaws 15, Hornets 13

The Hornets held a 13-8 lead going into the sixth inning against the Outlaws. But the Hornets were unable to pick up their first win when the Outlaws notched seven runs in the sixth and held off the Hornets in

The Hornets outhit the Outlaws, 18-17 but still fell short. Collins homered for the winners while Beavers had four hits in four trips to the plate. Doubles by G. Naldrett. D. Hagen and D. Bouchard keyed the Hornet effort.

of the Ridgecrest Scorpions Soccer Club. The first soccer match of the visit, a victory. clash in Barstow against the Barstow Condors, found the German squad bowing 2-1. The youngsters had, however, spent the China Lake field. The Scorpions were trip to Whitney Portal, a cook-out and a day touring the mining ghost town of Calico and had not yet adjusted to the high desert

Club in an exhibition game last month. The West visits, games and sightseeing

West German youth soccer players from climate. TUS Hamburg players controlled team stopping Victorville 3-1 in a minithe TUS Hamburg soccer club won two of play most of the match, but failed to take tournament staged at Davidove Field. The advantage of scoring opportunities.

SOCCER VISITORS - Members of the TUS Ham- German team spent a week in the Indian Wells Valley

burg Soccer Club faced Ridgecrest's Scorpion Soccer before moving on to Bakersfield for a final week of

German soccer team takes home two wins

The next day, following a morning of swimming and fun in the Kern River above Victorville. The Scorpions bowed, 3-0, to and making good friends among members Kernville, the West German team tackled the host Scorpions and took a thrilling 1-0 nament.

> Observers said it was one of the finest but youngsters from the under-16 squad took up the slack with some exceptionally good soccer play. Ridgecrest had more and West Germany. better scoring opportunities, but could not cash in on any of them.

For the next two days Scorpion athletes youth soccer matches ever played on a mans during recreation activities such as a

and their families hosted the West Gerwithout many of the top under-19 players, pool party. The TUS Hamburg team was taken to Bakersfield last week for a final week in California before flying home to

visiting German athletes were used to the

Ridgecrest weather and easily handled

Victorville in the other game of the tour-

The Scorpions are gearing up for their 1985 fall season which gets under way next

Weekends bring anglers to Sierra region

Weekends in the high Sierra are bringing area is also producing trout taken on red fishing is inconsistent. Anglers doing the best are fishing for trout in the river and out anglers in droves almost as thick as eggs or worms. back country mosquitoes. Most lakes and streams in the eastern Sierra region are last week but most are weighing near a crowded on weekends and the fishing is pound. The most productive time to fish is reported as fair to good at best.

in the morning when the sun hits the water ducing for experienced anglers while In the river the trout will be in the deep neophytes are being shut out. Fishing is holes where eddies form and at the front of spotty and few big fish are being taken. pools. The trout will be looking upriver and

vielding some brood stock planted recently The most effective way to catch the trout to anglers, using red eggs or cheese. is to cast upriver and let the bait enter nat- Whitney Portal Pond hosts large numbers urally. Red salmon eggs and crickets are of people and planted rainbow trout are be-

Early mornings or late evenings are the Experienced trout anglers usually have a best times to fish Pleasant Valley Reserwith flies in the evening. The Laws bridge

Lake Sabrina is crowded on weekends and trolling is slow during the mid-summer dog days. Best luck is had by shore or still anglers using baits to catch pan-size trout. and trolling is good. Still anglers and those

Panther Martins are bringing in 10-inch

Fishing is just fair at Convict Lake. In back country lakes beyond Convict, anglers anglers using Needlefish, red eggs or the most commonly used baits hooked on a ing taken on worms, eggs or floating are catching numerous golden trout up to 12-inches long on eggs and worms.

season is now open with two-trout limit and being caught, but not many of them.

Lakes in the Mammoth Lakes area are will be cited.

all producing pan-sized trout. Shore and still anglers are using Panther Martin lures, bait and Mepps lures. Lakes Mary and George are best in the morning or evening from the backside of the lakes. Twin Lakes is also yielding a few brown and brook trout on bait and spinners.

All lakes in the June Lake Loop are

Bridgeport Twin Lakes are giving up some trout and some kokanee salmon to marshmallows. Bridgeport Reservoir is reported only fair at the time, and trolling At Crowley Lake, the new extended trout is marginal. There are trout to 3½ pounds

> Game wardens remind hunters that dove Anyone hunting dove on Saturday, Aug. 31



Civilian Employee - I'm interested in finding out who can go to what clubs. We went into the Enlisted Mess Club, and I had to be sponsored by a military person. We understood it was open, and we would kind of like to know can the officers go to the Enlisted Club and the Enlisted go to the Officer's Club? Can civilians go to any club? That sort of thing. Thank you.

I wish to thank you for your question, so let us begin by giving you a little history of Navy Messes.

There has always been some confusion in the word "OPEN" after a Mess's name. Simply put, Navy Military Messes were "OPEN" or "CLOSED," meaning an "OPEN" Mess is for all its members, dependents, and guests, who support the Mess through purchases of food and drink while the "CLOSED" Mess was composed of members who bought shares in the Mess using his or her total food allowance to support the Mess. "CLOSED" Messes were usually aboard ship and in some Bachelor Officers' Messes. Recently, the words "OPEN" and "CLOSED" have been deleted and are not used

Because of the large civilian population employed on the Center, all Messes (Clubs) are available to all employees for lunch. To use the Messes after normal working hours and on Saturday, civilian employees are required to be guest members or be sponsored by a member of a particular Mess.

All the particulars are listed in NAVWPNCEN INST. 1746.8E. Some of the requirements for guest membership are as follows.

COMMISSIONED OFFICERS' MESS: To qualify one must be a GS-11 and above. GS-9 and GS-10 have an option of choosing membership in either the Commissioned Officers' Mess or the Chief Petty Officers' Mess. Junior Professionals and Management Interns also qualify

CHIEF PETTY OFFICERS' MESS: GS-5 through GS-8. GS-9 and GS-10 have an option of choosing membership in either the Commissioned Officers' Mess or the Chief Petty Officers' Mess. Foremen and other employees in equivalent posi-

ENLISTED MESS: GS-1 through GS-4. Nonsupervisory trades, labor employees, and Leaders also qualify.

I would like to invite all civilian employees to become guest members of their authorized Club (Mess) on Center.

All China Lakers, including military personnel, civilian amployees, 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. K. A. Dickerson, 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

prise to anyone coming here," Capt. military career. On behalf of himself and

eon. "What you do is very different - and who was unable to be present, Capt.

you let nothing stand in the way of suc- Dickerson gave Capt. Harrell the official

ceeding. That's what the Navy really Center gift of a pipe holder for his many

missioned Officers' Mess Monday prior to Mrs. Harrell spoke briefly of their depar-

the Public Works Officer's departure for ture for their new assignment, their last for

his new assignment at Patuxent River, Md. Capt. Harrell's military career. She said

honorees at a luncheon held at the Com- Center during your tour of duty here."

Present at the head table was Capt. Ralph

Cugowski, who became head of Code 26

when Capt. Harrell left yesterday for the

Among those presenting plaques to Capt.

Harrell in appreciation for the work that

has been accomplished during his tour at

China Lake were Bill Porter, head of the

Test and Evaluation Directorate; Matt

Anderson, head of the Fuze and Sensors

Department, representing the Laboratory

Directorate; and Capt. Paul Stephenson,

Support Director, for the Support Direc-

Joining in the presentations also were

Capt. Marty Phillips, Commanding Officer

of Air Test and Evaluation Squadron Five,

who presented the VX-5 plaque, and LCdr.

Jim Bullock, who presented the official

plaque from the Naval Facilities Engineer-

Cdr. J. E. Ealy, Assistant Public Works

Officer, presented the Public Works plaque.

and, representing the Geothermal Division,

Dr. Carl Austin gave Capt. and Mrs. Har-

rell a framed picture of two major

geothermal wells venting steam at the Coso

Capt. K. A. Dickerson, NWC Com-

mander, presented the traditional

photograph album as well as an NWC

plaque to Capt. Harrell, in addition to giv-

ing Mrs. Harrell an award of appreciation

ing Command Western Division.

Known Geothermal Area.

Capt. Harrell and his wife, Angie, were ciate all that you've done on behalf of the

Public Works Officer departs

"In many ways China Lake is a real sur- for her support to her husband in his that "we're folding up our memories of

Haywood Harrell said at his farewell lunch- Burrell Hays, NWC Technical Director, the Navy and we feel that we're heading

pipes. The Skipper noted that "We appre-



GOOD WORK APPRECIATED - David R. Hamilton received congratulations from Capt. K. A. Dickerson, NWC Commander, as the Skipper presents him with the paperweight, letter of commendation and stipend comprising the Commander's Award for Mission Support.

MILCON work in Washington earns Commander's Award for Hamilton

Monday began with exceptional bright- Training and Exchange Program ness for David R. Hamilton, a management analyst in the Planning Branch of the Support Directorate; he was presented the Commander's Award for Excellence in Mission Support.

Capt. K. A. Dickerson, NWC Commander, began the weekly Commander's meeting with the presentation to Hamilton of the engraved paperweight, letter of commendation and stipend comprising the

Basis for the award was the work performed by Hamilton during his one-year tour in the Office of the Director of Navy Laboratories under the Naval Scientist

China Lake. It's been our favorite time in

Capt. Harrell also expressed his appre-

ciation for his fine staff and for all the sup-

port that he has received from the Public

Works organization as well as from the rest

way, is doing 10 times as much as any other

outfit. I've enjoyed my tour here.'

"This group," he noted, "in its own quiet

of the Center.

FAREWELL GIFT - Capt. Haywood Harrell, who has served as the

Center's Public Works Officer for the past two years, examines the

pipeholder that is the Center gift to him on his departure. Looking on

with interest is Capt. Harrell's wife, Angie. - Photo by PH2 Rick Moore

away from the best people in the Navy."

(NSTEP), from which he has recently

The letter of commendation from Capt. Dickerson noted that Hamilton provided excellent support to DNL as well as performing well as a representative of this command. The letter noted that "You provided valuable assistance to DNL in the development of a Long-Range Strategic MILCON Plan briefing to higher Naval authorities including ASN (RE&S)."

It continued that "In addition, you assisted CNM/DNL commanded Centers/ Laboratories in the identification of several viable MILCON projects. These projects are currently candidates for FY 1987/88 funding under the Department of Defense sponsored Productivity Investment Fund and Defense Relocation Account pro-

When Hamilton returned from his year in Washington, he was the recipient of a letter of appreciation from Gary Morton, Director of Navy Laboratories, who commended Hamilton for his work.

Morton also wrote that Hamilton presented the NWC spirit and dedication which are inherent in the character of the activity itself. He concluded that although Hamilton's duties were in support of DNL, he had provided a significant service for the laboratories in general and NWC in

Hamilton expressed his appreciation for the award, and also for having been given the opportunity to take on such a challenging assignment.

He is a graduate of California State University Fullerton, with a degree in political science. He has been an NWC employee since May 1981.

Analysis of Falkland conflict, NASA work topics of dinner mtg.

Current NASA programs at Edwards Air Force Base (EAFB) and an analysis of the Falklands conflict are the subjects for discussion at the next open dinner meeting of the Ridgecrest Chapter of the Society of Flight Engineers.

Edward Schneider, Prime Project Pilot for the NASA facility at EAFB, will be the guest speaker at the meeting, scheduled for Thursday, Aug. 15 at the Commissioned Of-

A social hour begins at 6 p.m. with dinner served from 7:15 to 8:30. Schneider will speak from 8:30 to 9:30.

Price of the dinner is \$9 per person, and reservations should be made by contacting Larry Astor at 375-8825 or Gary Bartlett at

Devils

Back country lakes and streams are pro-

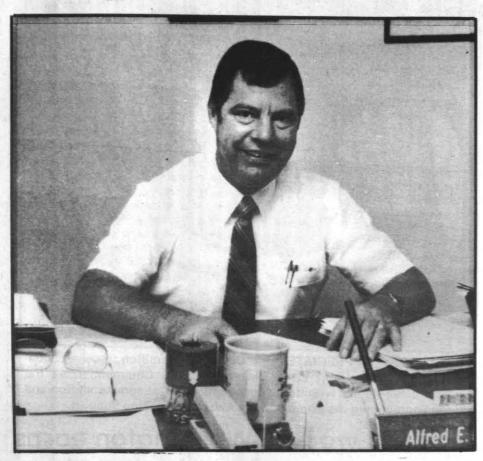
number 8 or 10 size hook with a four pound cheese.

favorite stretch of the river they fish. They voir. Trout are hitting artificial lures, artificial lures only. The action is slow on start upriver above a series of potentially mostly Panther Martins, or night crawlers. the lake but anglers are catching fish at the season does not open until Sunday, Sept. 1. good spots, and begin working their way The lower Owens River is best when fished mouth of the Owens River on flies.

Boats are in the water at South Lake now on shore are using bait and flies.

Lone Pine, Tuttle and George Creeks are trout from Rock Creek Lake. Rock Creek is most popular baits. also producing well to anglers using eggs

reported to have good fishing with eggs, floating cheese and marshmallows the



NEW TO CENTER — Al Kardos is the new head of the Security Division in the Safety and Security Department. — Photo by PH2 Rick Moore

shelter is incredible; we provide clothing,

toiletries, food - when women leave (their

homes), they pretty much have the clothes

they are wearing and their children with

In addition to donations, volunteers are

more than welcome. They operate the

shelter hotline, a 24-hour crisis hotline

established in 1983. Volunteers take two

shifts per month, either from 6 a.m. to 6

p.m. or 6 p.m. to 6 a.m. These volunteers

complete approximately 12 hours of train-

ing and attend monthly inservice meetings

potential clients and clients of the shelter.

Director, "the backbone of our organiza-

Of the shelter program, Mrs. Combs-

Henry says, "There is an intake process;

women cannot come here just for respite.

While staying at the shelter they complete

a program that takes anywhere from two

weeks to 30 days." In this time period, vol-

unteer and professional assistance is given

in order that the women may begin new

Stressing that domestic and family vio-

She also points out, "Family violence is a

Badge photo schedule

Enlisted Mess.

Passes to be issued later.

Personnel from the Badge and Registra- at the same time

learned behavior. Ninety-eight percent of

lence occurs accross all social and

segment of the populat on.

peace in the house."

from 7 a.m. until 4:30 p.m.

On Wednesday and Thursday, they will

Room 306 from 7 a.m. until 4:30 p.m., and

will be at the HARM conference room in

Thompson Laboratory on Friday, Aug. 16

be at the RCC conference room adjacent to

tion...I really depend on them."

them," says Mrs. Combs-Henry.

Shelter opens in Ridgecrest to house victims of family violence

A new shelter for victims of domestic and family violence will be operational as of September 1, according to Trish Combs-Henry, Executive Director of the High Desert Women's Shelter Network.

Incorporated in 1978, the Women's Center served as an information referral agency regarding counseling and legal, medical, economical, and other issues.

Last February, the Women's Center received a \$5,000 Federal Emergency Management Act grant with which Mrs. Combs-Henry was able to prove a definite need for a shelter in the local area; from February to June, 371 shelter days were provided to women and their children who removed themselves from violent situations. Transportation can be provided from homes to the shelter.

Women seeking assistance are urged to call 375-7525 at any time.

After proving a need for a shelter in the Indian Wells Valley, the next step taken by the Women's Shelter was to apply for a grant from the Emergency Shelter Program; a small amount was awarded to East Kern County. Boron, California City, Lake Isabella, Mojave, and the IWV are included in this service which is provided to military and civilian women in these areas at no cost to them.

According to Mrs. Combs-Henry, this grant will allow the shelter to lease a home in the local area. (For safety reasons, the ed.) However, "The grant doesn't cover abusers have been abused themselves or Ridgecrest, CA 93555. Tickets may also be from an unsecured locker at the Center operational costs because we're a nonprofit organization," she adds.

For this reason, gifts such as clothing and other items essential for a positive living environment, along with cash donations are always accepted. "The cost of running a

IWV Navy League members, potential members to gather

All members of the Indian Wells Valley Council of the Navy League and those intion Section of the Security Division will be terested in becoming members are invited taking pictures and issuing the new govto attend the August dinner meeting, which ernment identification cards to civilian and will be held at El Charro Avitia restaurant military personnel next week at the IOB in Ridgecrest on Thursday, Aug. 15. conference room on Monday and Tuesday

Following a social hour that begins at 6:30 p.m., dinner will be served at 7:30. Menu choices are a combination plate, a taco salad, or a chimichunga; each is \$7.50

Reservations are required and should be made by Aug. 13 by telephoning 446-5488, 375-4272 or 446-2538.

Key to good security mainly education says Security Div. Hd.

ponsibility for everyone from each Logistics Agency (DLA) in Los Angeles. workman to the base Commander to make security part of day-to-day operations."

field should help solve problems, not create Security Institute for two years. Industrial them. "We've got the responsibility for and physical security, asset protection and administering the security program, but we emergency management, were only a few can do so only when everyone helps."

of getting the cooperation of everyone, and from DLA to the Defense Investigative cooperation is strictly a two-way street. Service (DIS). From Virginia he transferand how much security is required is often the last four years with DIS. very much a value judgment — even if you At DLA and DIS, he was mainly involved

aspect of security over the last 22 years, he he says. contends one has to have both a good sense Kardos and his wife, Joyce, chose to none; however, he remains enthusiastic reorient and reprioritize their lives. about his field and his assignment to NWC.

Kardos attended California Lutheran Collot of places since. lege in Thousand Oaks, California, where "Moving here feels right," Kardos says. he earned both bachelor's and master's "I think this is where we'll stay." degrees in the administration of justice.

In industry, Kardos says, he got his first exposure to having to worry about the cost of implementing a program. Government today, he notes, has to be just as costconscious in figuring "cost-to-benefit" ratios of programs as industry has always

In industry, he worked in electronics. where they learn how to better assist

Hospital dietician "They are," according to the Executive to speak at meeting of women's network

Lorraine C. Baty, Clinical Dietitian, Ridgecrest Community Hospital, will be the speaker for the East Sierra Careerwomen's Network meeting on Wednesday, Aug. 28. Her topic will be "Food Habits for Healthy Living," All interested persons are invited.

The meeting will be at Le Parc Restaurant on Norma Street in Ridgecrest with networking to begin at 6 p.m. and dinner at

Prepaid reservations are required. The economic levels, Mrs. Combs-Henry says price of \$8.50 per person includes a choice that it is not found in only one particular of fruit plate with sherbet or crab salad. desert, coffee or tea, tax and tip.

Reservations may be made by sending a check to ESCN, 429 Tepatitlan Court, watched Dad beat up Mom. Children who purchased at the Chamber of Commerce gym. live in abusive households quickly learn to office, 303 South China Lake Boulevard, Ridgecrest. lie: they will do anything to keep

Anyone who has questions about the meeting or about ESCN should telephone For more information regarding the High 446-6164 after 4:30 p.m. or should telephone Desert Women's Shelter Network, tele-

Later this month they will be at the air-

Personnel are asked to come prepared to

have their pictures taken. The photos will

be used for the new Restricted Area Access

No appointments are necessary for issu-

ing of passes or getting a picture taken.

regardless of work site or department.

field, Michelson Laboratory, and the

"Security is 95 percent education and Research and Development (R&D) and five percent enforcement," says Al Kardos, manufacturing, which collectively gave new head of the Security Division of the him a good data bank of understanding that he brought with him into Civil Service in He continues, "It's really a collective res- 1972 when he went to work for the Defense

His DLA assignments took him to Los Angeles, Santa Barbara, and to Richmond, Kardos believes that professionals in the Virginia, where he taught at the Defense of the subjects that he taught. In 1980, the Communication, he feels, is the essence industrial security function was transferred "When you can talk a situation through - red to San Fransisco where he has spent

don't agree, you might be better able to with the industrial security program. Good accept a situation, that's success," Kardos security requires a partnership between government and industry, and such a part-Although he's worked in almost every nership is needed in any work environment,

of humor and a very thick skin to survive. leave their jobs in San Francisco to move to Kardos does admit that the security pro- China Lake because they enjoy the desert, fession has a level of frustration second to and because they felt it was time to

His experience has been varied. He spent life here," he says. "Our four children are 10 years on active duty in the Army, plus 22 all grown, and it's time for us to pick our years of Army Reserve, most of it in own way of living." As an Army brat, he Military Intelligence as a Special Agent. In says, he lived in 32 places before he himself addition, he spent eight years in industry. went into the Army, and they've lived in a



A citizen complaint (traffic) was filed by Capt. K. A. Dickerson against a summer employee who was traveling at an excessive rate of speed and driving recklessly on the airfield access road. The complaint will be forwarded to East Kern Municipal Court. The temporary employee is no longer employed by the Naval Weapons

Two drivers stopped for traffic violations by the China Lake police were found to be under the influence of alcohol. In each case, the driver was held for five hours at the CLPD, then cited into East Kern Municipal Court and released.

Unknown persons removed a sharpening stone from a work area at Armitage Airfield. The missing stone costs \$100.

A wallet, whose value is \$11,

When the rider of a motorcycle hit sand on the road, the cycle spilled. The driver sustained injuries that were treated at Ridgecrest Community Hospital, and the motorcycle received minor damage.

When the resident of a house in the Site B Capeharts returned home Friday, she found that the glass in her sliding glass door had been shattered. Replacement cost for this act of vandalism is \$150.

Unknown persons set fire to a telephone pole at Knox Road and Burroughs Avenue. Police are investigating the arson.

An unknown person threw a burning object into the seat of a victim's car, causing

Personnel may get their cards at the time A juvenile was apprehended Saturday and location best suited to their needs while trying to steal a carton of cigarettes from the Minimart. The juvenile was released to his grandmother.

'Home' has legal meaning for servicemembers

After 25 years in military service and 26 different moves, asking someone where his members from liability for state taxes on or her home is can be a real difficult ques- military pay outside of their permanent tion to answer. Some people may not think too much about it, but one's place of residence is very important. Especially when it comes to taxes.

Military people move frequently and state tax laws vary widely. For example, Texas and Nevada have no state income tax. Other states tax federal military salaries regardless of where the member is stationed.

A member's liability for taxes is protected in some ways by the Soldiers and Sailors Relief Act, says Maj. Rex Fuller, deputy director of Legislation and Legal Policy for the Department of Defense. "The Act says a military member cannot be taxed merely because the member is in a particular jurisdiction as a result of military

This is intended to protect military domicile. Otherwise, some service people might get hit for taxes in the state they are stationed as well as their legal domicile.

"Domicile is a legal term." explains Fuller. "It's defined differently in different states. But generally, your domicile is where you were born or, once emancipated (having left your place of birth), the place you lived with the intention of permanently living there."

Since intent is an important part of the law, how is it established? The legal people use the phrase "outward manifestation." In other words, does a person behave like a given place is where they intend to live? Some examples of outward manifestation of establishing legal domicile:

- Registering and actually voting in the

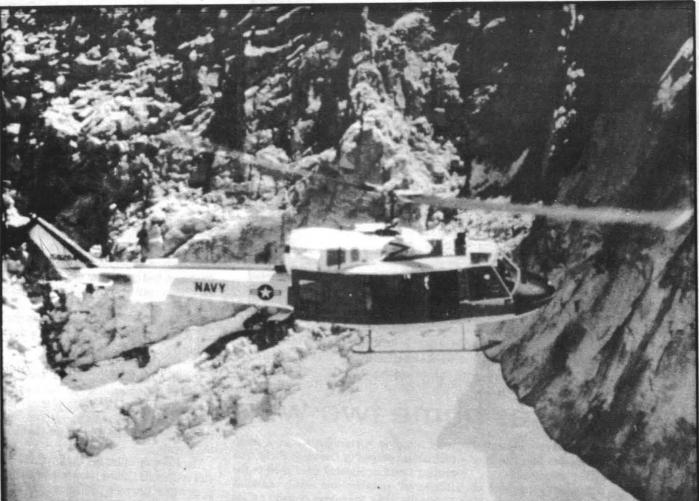
Obtaining a driver's license

Owning property

- Registering a will

Sending children to school





WELCOME SIGHT — The Center's Search and Rescue helicopter nears the site where an injured climber awaits rescue in the Sierra. Many of those who are in-

jured in the mountains would not be able to survive if they had to be carried out rather than being airlifted to

It's important to note that in expressing your intentions in regard to a legal residence you should not lie. You could be prosecuted for false swearing.

The term "home of record" is only significant within the military service, and shouldn't be confused with legal residence. Home of Record is the place from which you entered the military, or to which your goods are shipped when you depart the service. Your pay is not reported to your home of record. The state that you declare on your W-4 form gets the state withholding

When it comes to determining your legal residence, Fuller suggests asking the local Staff Judge Advocate.

Center's SAR helo....

(Continued from Page 1)

"We'd just as soon not carry out dead bodies, carry in dog teams to remote areas, or get involved in long searches that could keep us from adequately meeting the Center's mission requirements," LCdr. Massengale comments.

Although ordinarily only two SAR crews and one helicopter are available to meet emergency needs, at the present time six pilots and two helicopters are assigned to SAR duty.

Besides LCdr. Massengale, those assigned include Cdr. J.A. Thompson; Major J. C. Boyd, USMC; Lt. Greg Friedrichsen; Lt. Tim Cleary; and Lt. Mark Eoff.

Crew members include AD1 T. R. Ring; AE2 Barry Beavers; AD2 R. M. Tavenner; AE3 Mark Keenan; AMH3 K. M. Conger; AT3 J. Hayes; AT3 R. L. Johnston; AMH3 J. R. Huffman; AOAN J. W. Smith; HM1 Bill Lewis; and HM3 J. R. Davis.

NWC Gold needs six golfers

All active duty personnel not attached to VX-5 or Code 61 can try out for the NWC Gold Commander's Cup Golf Team.

HM1 Corder is designated as team captain for the scratch play competition. Each team, NWC Gold, NWC Blue and VX-5 will have six golfers.

Golfers interested in playing golf for NWC Gold should call HM1 Corder at NWC ext. 2911, 225 for more information. Entry deadline is Monday while the Commander's Cup match will be played on Aug. 21. If more than six golfers register for the NWC Gold team a match will be held on Thursday, Aug. 15 and the top six golfers will qualify for the team competition.



ACCURATE MESSAGE — The motto on the patch worn by SAR crews says it all - "So others may live."

THE LOWER THE BETTER

People who are physically fit generally have lower resting heart rates than those who are not, which means that their hearts don't have to work as hard to pump blood. A reduction of 10 beats per minute in a person's resting heart rate can save over 3 weeks of work for the heart over the course

Simple precautions can enhance security

ubsequent noiding of 39 American minds once again. Some people are begin- things that make you take notice." ning to wonder if Americans, and especially American service people both here and abroad are safe.

ander C. Wylie, chief, Security Operations Division of the Department of Advanced Military Police Training at the Army return home at different times," he sug-Military Police School, Fort McClellan, Ala., appears to be: basically, yes.

"Service people should not become paranoid," he says. "The odds of being in- once you are in close proximity to where volved in a terrorist incident are very low." However, Wylie says certain precautions know that once you get close to those can be taken that may help avoid becoming victims of terrorist incidents.

The first thing is to become aware of your surroundings. "Look for things out of the if the threat warrants it. ordinary," cautions Wylie. "If there is law enforcement personnel."

Wylie says to look for strangers who Wylie. loiter (especially people with cameras) in

time. Be aware of suspicious-looking vehi- tion, in making travel arrangemen

determined by the level of the threat in the their daily itineraries. The answer, according to Lt. Col. Alex- area you are living or traveling.

In high-threat situations, Wylie suggests varying your routine "Leave for work and

It's also important to alter the route you take to work. "But be especially careful places, it's more difficult to vary your that these precautions should be taken only repercussions could be more serious.

someone watching you, your home or the should also take extra precautions. "Travel the threat is in the area you may live or area you work, don't hesitate to report it to orders contain a wealth of information travel." Wylie recommends contacting

The hijacking of TWA Flight 847 and the same general area over a period of ing and modes of transportation. In addihostages for 17 days has brought the sub- cles that reappear several times a week. copies of the orders are given out which ject of terrorism to the forefront of people's "Most of all, report out-of-the-ordinary makes the travel plans accessible to many different people Wylie points out that Wylie says there are other precautions higher-ranking individuals should restrict people can take, but those precautions are the number of people who have access to

> When it comes to hijackings, Wylie says there is little anyone can do; however, Department of Defense officials suggest that service people involved in hostage situations remain calm and maintain a very low profile.

These officials suggest that service peoyou work or live," he says. "Terrorists ple neither volunteer information concerning their affiliation with the military, nor should they hide it if asked. They say that if routine." Once again, Wylie emphasized the information is found out later, the

People traveling on temporary duty aware of what terrorism is and know what valuable to potential terrorists," says your service's intelligence people to determine the level of threat in the areas They usually include travel plans, lodg- through which you travel.

CSCI 322: ARTIFICIAL INTELLIGENCE (3 units)

28, 29 September; 2, 3 November; 23, 24 November; Saturday and Sunday; 0800-1600; Safety Building. By: Professor Bruce Pamplin, CSUC.

Prerequisite: Graduate status.

Scope: Seminar on current topics in artificial intelligence. Topics are selected from deductive systems-problem solvers and games; inductive systems-pattern recognizers and learning systems; cybernetics-models of human intellectual processes: applications-robotics and natural language translators.

CSCI 227: DISCRETE SIMULATION SYSTEMS (3 units)

18-20 October; 15-17 November; 13-15 December; Friday, 0800-1200; Saturday and Sunday, 0800-1600; Safety Building. By: To be announced.

Prerequisite: C516 or 23. Probability and statistics

Scope: Principles of system modeling, simulation models and languages, discrete systems, industrial dynamics, use of probability concepts, queuing patterns, case studies.

CSCI 151: DATA AND PROGRAM STRUCTURE (3 units) 6-8 December; 10-12 January; 7-9 February; Friday, 0800-1200; Saturday and Sunday, 0800-1600; Safety Building. By: Professor Melody Duncan, CSUC. Prerequisite: CS16 (Pascal Programming).

Scope: Traditional data structures are examined as they relate to information representation, parameter passing, recursion, assemblers, compilers, operating systems, and machine organization.

Note: This is a core class required for all options (BS and MS).

MATH 477: LINEAR ALGEBRA (5 quarter units)

26 September-5 December, Thursday, 1600-2100 (1-hour dinner break), Safety Building. By: Professor El Ansary, CSB.

Prerequisite: Math 6C (third semester calculus).

Scope: Systems of linear equations, matrices, vector spaces, dimensions, determinants, linear transformations, eigenvalues, and eigenvectors.

Note: This is a required class for the BSCS Math-Science option and an optional requirement for the BSCS systems option and as foundation for the MSCS.

SPANISH 320: HISPANIC-AMERICAN CULTURE AND CIVILIZATION (5 quarter units)

23 September-9 December, Monday, 1600-2100 (1-hour dinner break), Safety Building. By: Professor George Yviricu, CSB.

Scope: An overview of music, arts, literature, customs, institutions, and technology, past and present, as they affect the development of Hispanic-American culture and civilization from its beginning to the present day. The course is given in English.

Note: This upper division course satisfies General Education Goal VIII. It also satisfies the CSUC ethnic studies requirement.

The following Cerro Coso fall classes are foundation classes for the BS and MS program in Computer Science: CS15, CS16, CS23, CS26, Math 6A, Math 6C, Chem 1A, Phys 1B.

Professor Madrigal will be at NWC on15 August to counsel students. To obtain an appointment, call Kit, ext. 2648.

Oops, we goofed

Oops — we goofed!

On the long term training section of last week's Personnel insert, Van Hodgkin was identified as a Research Chemist. As he and his co-workers well know, he's a Research Physicist.

The Rocketeer regrets having mis-identified his title.

MECHANICAL ENGINEERING

ENGR 420A: ADVANCED MECHANICS OF MATERIALS (3 units)

4 September-18 December, Monday and Wednesday, 1600-1730, Safety Building. By: Bob Rockwell, ext. 5644.

Prerequisite: Statics and Strength of Materials or consent of instructor.

Scope: Multiaxial stress and strain, theories of failure, unsymmetrical bending, shear center, thick curved beams, beams on elastic foundation, pressurized containers, structural stability, energy methods, introduction to bending and buckling of plates.

Text: Advanced Strength and Applied Stress Analysis, Budynas, McGraw-Hill.

Note: This class is a prerequisite for ENGR 518, Theory of Elastic Stability, tentatively scheduled for next fall (1986); and is also a prerequisite for ENGR 520A, Advanced Materials Engineering (Fracture Mechanics), scheduled for spring 1986.

ENGR 509: NUMERICAL METHODS IN ENGINEERING SYSTEMS (3 units)

3 September-19 December, Tuesday and Thursday, 1600-1730, Training Center Annex. By: Charles Kenney, ext. 3597.

Prerequisite: Knowledge of FORTRAN programming. Basic course in numerical analysis strongly recommended.

Scope: Application of numerical techniques to selected problems in engineering. Coverage includes both classical and recently developed methods. Emphasis will be on 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. Addison

Note: This is a core class for the MS Degree, Mechanical Engineering, and Applied Mechanics

The following foundation class is being offered this fall at Cerro Coso:

ENGR 24: STATICS AND STRENGTH OF MATERIALS (4 units)

(Consult Cerro Coso fall bulletin for time and

Note: This class is a prerequisite to another foundation course, ENGR 309 Engineering Dynamics, that is scheduled for summer 1986.

Texts are available at a local bookstore.

BACHELOR'S DEGREE

A meeting will be held Tuesday, 13 August, in the Mojave Room of the Commissioned Officers' Mess at 1000 to outline and discuss the new undergraduate program in electrical engineering being established through Cal-State Northridge. Cerro Coso's new preengineering program, an integral part of the 4-year program, will also be introduced. There will be handouts and a question and answer session. If you plan to attend or have any questions, call Steve Lee, ext. 2468.

The following fall Cerro Coso classes are required

ENGR 24: STATICS AND STRENGTH OF MATERIALS

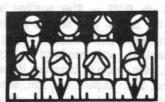
MATH 6A: ANALYTIC GEOMETRY AND CALCULUS I

MATH 6C: CALCULUS III

PHYS 1B: ELECTRICITY AND MAGNETISM

CHEM 1A: GENERAL INORGANIC CHEMISTRY

CS 23: FORTRAN PROGRAMMING





Promotional Opportunities

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

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

No. 08-038, Interdisciplinary (Computer Specialist/Computer Systems Analyst/ Engineering Data Management Specialist/Quality Assurance Specialist), DS-334/301/1910-2/3, DP-334/301/1910-3, Code 08B1 — This position is located in the Standard Automated Financial System (STAFS) Project Management Office. The incumbent is configuration manager for STAFS and associated administrative automated information systems. He/she is responsible for the implementation and maintenance of STAFS CM plans and procedures for control of hardware, software and documentation. He/she will oversee the design, development, implementation, operation and maintenance of the STAFS CM data base using Softool CCC on a VAX computer. He/she is a voting member of the STAFS configuration change board and is responsible for the proper operation of the configuration change and control process. Job Elements: Knowledge of configuration management principles and practices; ability to use automated data base systems; and ability to communicate both verbally and in writing are desirable. Promotion potential to DP-3. Status eligibles may apply.

No. 08-037, Computer Scientist, DP-1550-2/3, Code 08B1 — This position is located in the Standard Automated Financial System (STAFS) Project Management Office. The incumbent is configuration manager for STAFS and associated administrative automated information systems. He/she is responsible for the development, implementation, operation and maintenance of the STAFS CM policies, plans and procedures for control of hardware, software and documentation. He/she will specify and oversee the design, development, im-

of the STAFS CM data base using Softool CCC on a VAX computer. He/she is a programs at NWC. Elements: Ability: to voting member of the STAFS configuration communicate effectively; to deal tactfully change board and is responsible for the with all levels of personnel; to type; to orproper operation of the configuration ganize and carry out a variety of duties change and control process. He/she also with considerable flexibility. Status eligiserves as STAFS ADP system security of- bles may apply. Promotion potential to ficer. Job Elements: Knowledge of con- GS-5. figuration management and ADP security principles and practices; skill in the design and use of automated data base systems; and ability to communicate both verbally the following duties for a major departand in writing are desirable. Promotion potential to DP-3. Status eligibles may app-

525-4/5/6, Code 0861 — This position is ratings; performs ranking and may con-General Accounting Branch. Incumbent will maintain a Fund Control Ledger using information contained on fund documents and automated reports to reflect amounts authorized by fund documents, costs incurred and billed against those authorizations and the available balance remaining on the fund source. Incumbent will be assigned a group of sponsors and customer orders as his/her share of the total workload which is occasionally redistributed to assure proper balance. Incumbent will be required to accomplish sponsor billings, perform necessary research to isolate and correct errors, prepare reports, reconcile, resolve problems, and perform other related assignments with the Branch. Job Elements: Knowledge of Navy Industrial Fund Accounting principles; ability to work accurately with figures; ability to work effectively with people. Promotion potential to used to establish the promotion register for

No. 08-039, Accounting Technician, GS- effect until February 1986. Duties include 525-4/5/6, Code 0861 — This position is driving and operating structural pumpers plementation, operation and maintenance located in the General Ledger Section of the and any type crash fire trucks, responding

will perform a variety of duties in connection with the Navy Industrial Fund (NIF) Ledger maintenance and controls: assists in the maintenance of all NIF General accounts and determines whether they are sidiary accounts with the General Ledgers; establishes cash controls between General Accounting and ADP for cash input; helps yearly Financial Statements; prepares Reimbursable Orders to activities who are performing work for NWC; and performs other related assignments with the Branch. Job Elements: Knowledge of NIF and appropriation accounting systems; ability to work accurately with figures; ability to assignments with minimal supervision. work effectively with people. Promotion potential to GS-6.

No. 09-53, Administrative Jr. Professional, DA-301-1, Code 092 - Incumbent will be sponsored by the Administrative Development Committee (ADC) and will take six-week tours in administrative functions such as budget, personnel, supply, and management analysis. The program is designed to identify and develop those with high potential for senior administrative and staff positions within the federal civil service. Elements: Knowledge: of management systems and theories of organization. Ability: to gather, compile, analyze information and data; to organize and present data in writing. Promotion potential to DP-3. Supplemental experience statement is required and may be picked up in Room 100 of the Personnel Department.

No. 09-49, Clerk (Typing), GS-303-4 or Employee Development Clerk (Typing), GS-203-4/5, Code 094 - Incumbent will provide assistance to an Employee Development Specialist in carrying out the academic employee development program, will provide information to employees and supervisors on training opportunities, enroll employees in classes, maintain fiscal records, arrange for classes, prepare reports, maintain records, and provide support for various staff personnel and instructors from the universities providing

No. 09-52, Clerk-Typist, GS-322-4 or Per-

sonnel Clerk/Assistant, GS-203-4/5, Code 096/097, Multiple Vacancies - Performs ment(s): processes all actions effecting sions of appointment, etc.; performs com-No. 08-030, Accounting Technician, GS- petitive and noncompetitive qualification vacancy announcements for recruitment. At higher levels, incumbent advises and recommends to supervisors and managers, recruitment options for certain occupations (e.g. clerical); participates in various phases of crediting plan development which may include, but is not limited to, job analysis and establishing KSAPs. Elements: Knowledge: of personnel policies and procedures related to staffing. Ability: to plan, organize and accomplish work independently; to perform a variety of clerical/technical functions; to research, comprehend and apply complex regulatory information. Promotion potential to GS-7. Status eligibles may apply.

> No. 24-148, Firefighter, GS-081-5B, Code 242 - Supplemental Qualifications Statement Required. This announcement will be Firefighter, GS-5B, which will remain in

General Accounting Branch. Incumbent on ambulance calls as either driver or attendant, inspection of Center's building and property, and conducting training classes for trainee firefighters. KSAs: K - of locations (streets, water distribution, alarm/ Ledger accounts; separates vouchers by detection systems, building contents/layouts, etc.); of fire prevention receipts or disbursements; reconciles sub- practices with regard to building inspections and ability to identify fire hazards; of reference sources: of firefighting (fire, origin and techniques of extinguishing fires). with preparation of monthly, quarterly, and A — to operate firefighting apparatus and equipment, structural pumpers, crash fire trucks, pumping systems, nozzles, rescue equipment; to drive (proper use of gears, clutch, brakes, etc. and demonstrated safe, smooth, effective operation of vehicles); to accept responsibility and carry out

No. 25-079, Supply Systems Analyst, DA-2003-1/2, Code 25012 — The incumbent will provide administrative and technical advice,

lysis support, and contractor and user interface for the Information Systems Support Group in the Supply Department and will perform the following duties: provide liaison between contractor programmers and Supply operating divisions for the Inventory Management Procedures Systems (IMPS); assist with preparation of statement of work and Government costs estimate, and act as Technical Monitor for the IMPS delivery order; evaluate contractor performance; issue Specification Requirements to contractor for programs changes and duties not specifically spelled out in the delivery order. Substantial opportunity for growth in the use of microcomputers. Elements: knowledge of: inventory management; DOD supply including the acquisition process, receipt of material, material turn-in, disposal of excess or defective material, and accounting for discrepant material; NAVSUP and NAVCOMP manuals and regulations: database management/information systems; technical monitor's responsibility. Ability to write statements of work. Promotion potential to DA-3. Status eligi-

1105-6/7, Code 2522 - Responsible for providing training and guidance to Purchasing Agents in the section, and insuring that proper policies and procedures are utilized. Incumbent assists management in planning assignments, improving work flow and service rendered, promoting job satisfaction and increasing productivity. Incumbent functions as a contracting officer and ordering officer, is expected to be forward-thinking and service-oriented in exercising all responsibilities. Elements: Knowledge of: DOD and NWC Small purchase policies and procedures; negotiation techniques; methods and requirement for price analysis. Ability: to deal effectively with personnel at all levels of work without close supervision; lead a work group. Skill in utilizing a computer terminal and management information system is desirable. Promotion potential to GS-7. No. 26-187, Facilities Management

No. 25-078, Lead Purchasing Agent, GS-

Specialist, DA-1640-1/2/3, Code 2673 -Quality Control Branch, (Multiple vacancies). The incumbent is involved with the definition and application of quality assurance techniques for facility maintenance contracts. These include the specific disciplines of painting, paving and roofing as well as positions requiring multiple trades knowledge. The incumbent coordinates inspections and the acceptance of Warranty work. Job Elements: Knowledge of workflow utilized in Indefinite Quantity contract; General knowledge of trades practices for painting, paving, roofing, and multiple trades practices; ability to communicate effectively orally and in writing; ability to use blueprints, schematics, and architectural drawings; ability to plan, coordinate, and implement quality assurance plans relating to Indefinite

Quantity contracts. Promotion potential to DA-3.

No. D-34-032, Technical Publications Writer/Editor (PS&E), DA-1083-2, Code 3411 - Two Vacancies. These positions are located in TID's Writing Branch. Writes, edits and expedites technical and administrative documents. Most writing is and defining EWTES real-time instrumendone using electronic text processors. Job Relevant Criteria: Ability to deal effectively with all levels of Center personnel; ability to analyze data; ability to gather and organize technical information; knowledge of publishing; skill in writing and editing; ability to work under pressure. Promotion potential to DA-3.

No. 35-073, Interdisciplinary (Supervisory

Electronic Engineer, DP-855-3/4 or Supervisory Physicist, DP-1310-3/4), Code 3543 -Position is Head, Countermeasures Branch. Incumbent will manage and provide technical direction of advanced electronic warfare exploratory and development programs assigned to the Countermeasures Branch. Will provide supervision and guidance to approximately 12 subordinate personnel, including engineers and technicians. Responsible for support of the EEO program. Job Relevant Criteria: Knowledge of electronic warfare concepts and technology; knowledge of electronic countermeasures, counter-countermeasures and support measures; knowledge of radar theory and techniques; ability to deal effectively with others; ability to communicate clearly; support of the EEO Program. Selection at the DP-3 level does not guarantee promotion to the DP4 level. Previous applicants need not apply.

No. 35-077, Electronics Technician, DT-856-2. Code 3553 — Serves as a team member whose responsibilities include operation and maintenance of radar systems and testing and maintenance of a variety of digital and analog interfaces in support of airborne flight test programs. The work schedule is the "First-Forty" hours. KSAs: Knowledge of radar systems, electronics, digital and analog theory. Ability to troubleshoot and maintain digital/ analog interfaces as well as microprocessors. Ability to coordinate, monitor, and review the work of junior technicians. Ability to communicate effectively. Promotion potential: DT-3.

No. 35-078, Electronics Technician, DT-856-3, Code 3553 — Serves as a team member whose responsibilities include operation and maintenance of radar systems and testing and maintenance of a variety of digital and analog interfaces in support of airborne flight test programs. The work schedule is the "First-Forty" hours. KSAs: Knowledge of radar systems, electronics, digital and analog theory. Ability to troubleshoot and maintain digital/ analog interfaces as well as microprocessors. Ability to coordinate, monitor, and review the work of junior technicians. Ability to communicate effectively.

No. 35-069, Supervisory Interdisciplinary Electronics Engineer/Computer Scientist, Physicist, Mathematician, Computer Specialist), DP-855/1550/1310/1520/334-3, Code 3554 — Serves as head of Digital Interface Section, Instrumentation Engineering Branch. Responsibilities include analyzing and defining the interface requirements between EWTES threat and reference radar systems and the real time tigital computer system, formulating inerface standards, designing and developing a micro computer based system using a combination of commercial off-the-shelf and customized hardware and software and then installing the interface on all existing and planned FWTES radars. KSAs: Knowledge of computer to computer interfacing techniques and data transmission protocol and standards; Knowledge of group. Promotion potential to DP-3. micro computer systems hardware and

Previous applicants need not reapply.

No. 35-070, Supervisory Interdisciplinary (Computer Scientist, Electronics Engineer, Physicist, Mathematician, Computer Specialist) DP-1550/855/1310/1520/334-3, Code 3554 - Serves as head of Computing Section, Instrumentation Engineering Branch. Responsibilities include analyzing tation, simulation, and administrative computing requirements. Operates, maintains, and enhances existing computing systems, software, and documentation. KSAs: Knowledge of computer systems hardware and software, operations, and maintenance procedures; Knowledge of ADP contract acquisition and administration policy and procedures; Ability to technically direct and lead a multidisciplined group of S&Es and technicians; Ability to communicate orally and in writing; Ability to manage a computing facility; Willingness to support EEO objectives. Previous applicants need not reapply.

No. 36-281, Engineering Documentation Technician, GS-303-5, Code 36514 - Incumbent assists in the processing, reproduction and distribution of engineering documentation for equipment/weapons systems for which NWC has technical cognizance. Services provided by the section (including contracting services) include reproduction, storage and retrieval of engineering drawings, specifications and related documentation, insuring incorporation of revisions to some, preparation of microfilm aperture cards used for distribution of drawings and other documentation, and wrapping and mailing materials in accordance with applicable regulations. Elements: Knowledge: of engineering documentation reproduction equipment such as Xerox and Diazo duplicators, card punch, interpreter and counter equipment used in the preparation of microfilm aperture cards; of NWCs engineering documentation production, storage and distribution procedures. Ability: to deal effectively with personnel of service organizations and contractors. Promotion potential to GS-6.

No. 36-285, Supervisory General/ Mechanical/Electronics Engineer, DP-801/830/855-3, Code 3653 — (4 vacancies) Position is for section head located in the Engineering Drawing Branch. Incumbent supervises a group of engineering technicians/engineers and provides documentation support to major problems. Elements: Knowledge: and willingness to support personnel policies procedures and NWC EEO goals; of Center instructions regarding documentation policy; of the acquisition cycle so that documentation requirements can be integrated with the phase of the particular program. Ability: to provide technical direction to subordinates in documentation preparation, quality and requirements; to provide guidance and assistance to contractors regarding documentation preparation; to supervise a diverse work group. Promotion potential to

No. 36-286, Supervisory Engineering Technician, DT/DP-802-3, Code 3653 - (4 vacancies) Position is for section head located in the Engineering Drawing Branch. Incumbent supervises a group of eering technicians/engineers and provides documentation support to major problems. Elements: Knowledge: of and willingness to support personnel policies, procedures, and NWC EEO goals; of Center instructions regarding documentation policy; of the acquisition cycle so that documentation requirements can be integrated with the phase of the particular program. Ability: to provide technical direction to subordinates in documentation preparation, quality and requirements; to provide guidance and assistance to contractors regarding documentation preparation; to supervise a diverse work

No. 36-283, Engineering Technician, DTsystems software; Ability to program; 802-2/3, Code 3681 - Incumbent assists Ability to technically direct and lead a senior specialists in the implementation of multi-disciplined group of S&Es and process controls, procedures, practices, technicians: Ability to communicate orally principles, methods, techniques, and nd in writing; Ability to develop interface disciplines pertaining to solder technology systems. Must be willing to support EEO support during the planning, design, objectives. Promotion Potential: DP-3. fabrication, testing and production of weapons systems, related equipment and

components. Elements: Knowledge: of WS-6536 process controls, procedures and requirements for preparation and soldering of electrical connections. Ability: to communicate effectively orally and in writing; to apply appropriate soldering related specifications and instructions to government contracts. Promotion potential to

No. 36-284, Quality Assurance Specialist, DS-1910-2/3, Code 3681 — Incumbent assists senior specialists in the implementation of process controls, procedures, practices, principles, methods, techniques and disciplines pertaining to solder technology support during the planning, design, fabrication, testing and production of weapons systems, related equipment and components. Elements: Knowledge: of WS-6536 process controls, procedures and requirements for preparation of soldering of electrical connections. Ability: to communicate effectively orally; to communicate in writing; and to apply appropriate soldering related specifications and instructions to government contracts. Promotion potential to DS-3.

No. 36-282, Computer Specialist, DS-334-2/3, Code 3682 - Incumbent provides software management support in the areas of Software Quality Assurance (QA) for various projects within the Engineering Department and Centerwide. Incumbent will be responsible for planning, executing, and reporting all efforts related to software QA. Incumbent will review software plans. specifications, statements of work and other documentation necessary for the development and/or acquisition of software for Center programs. Incumbent will participate in reviews and audits of in-house and/or contractor developed software. Elements: Knowledge: Of software management, acquisition and development processes; software engineering practices and principles including software documentation and QA; of DOD Navy and Center standards, instructions and directives related to software. Ability: to prepare and/or analyze plans, specifications and directives and apply them to specific development projects. Promotion potential to DS-3.

No. D-39-073, Clerk Typist, GS-322-4, Code - Incumbent provides clerical assistance to the Weapons Department Staff. Duties consist of receiving and screening visitors and incoming phone calls; receiving, opening, and screening mail; typing official letters, memoranda, and reports; maintaining office files; performing timekeeping duties, etc. KSAs: Knowledge of office procedures and processes and NWC procedures and policies in these areas, Ability to perform receptionist and telephone duties.

No. 61-060, Computer Assistant, GS-335-5/6. Code 614 — Incumbent inputs ordnance transactions into ordnance computer pro- education programs gram. Runs reports, programs, and inventories. Checks results for accuracy and proper procedures. Researches and produces proper files and updates. Prepares and modifies reports and runstreams. Performs data base maintenance via S2K. Job Elements: Knowledge of UNIVAC operating system, knowledge of computer language, including COBAL. Ability to work with little or no supervision.

No. 621-072, Supervisory, Inter-DP/3 802 Supervisory, General Engineer, Supervisory Mechanical Engineer, DP-3, Code 62122 - This position is Head, Environmental Test Section (Code 62122). The section is responsible for conducting all vises section personnel; plans, coordinates and schedules technical work. Job Relevant Criteria: Knowledge of environmental response of test item undergoing testing ty College. and environmental test data analysis. Knowledge of ordnance testing. Knowledge of affirmative action principles including a willingness to implement EEO practices. Ability to communicate in writing. Ability to communicate orally. Promotion poten-

No. 621-071, Engineering Technician, DT-802/1, Code 62123 - This position is located in the Safety Test Section (Code 62123). Incumbent performs test setup, system checkout and conducts safety testing of a wide range of ordnance items and weapons. Tests include fuel fire, slow heating, bullet impact, drop and other related safety tests. Job Relevant Criteria: Ability to test and handle various ordnance items. Knowledge of explosive safety, knowledge of test measurement equipment. Promotion potential to DT-3.

No. 625-049, Electronics Technician, DT-856-1/2, Code 6253 — This position is located in the Telemetry Operations Branch, Computer Systems/Data Division, Range Department. The incumbent will perform duties on the NWC ranges and Randsburg Wash in mobile trailers or temporary shelters located at range test sites. The duties include the design, modification, and installation of specialized instrumentation systems to acquire velocity, acceleration, pressure, stress, displacement, event, and temperature data from all types of structures, vehicles, and ordnance items. Job Relevant Criteria: Knowledge of digital and analog test instrumentation, data collection/recording/processing; ability to convert mechanical phenomena to electrical signals for data collection.

No. 64-090, Clerk-Typist, GS-322-3/4, Code 6412 — This position is located in the Fleet Support Branch, Recovery Systems Division of the Center's Aerosystems Department. The incumbent provides clerical support to the members of the Branch. Job Elements: Ability to prepare messages. Status eligibles may apply. Promotion potential to GS-4. Previous applicants need

Northridge seeks three instructors

CSU Northridge is looking for instructors to teach a three-semester graduate level sequence in Fluid Dynamics commencing in the spring of 1986. The classes are: ME 490 - Fluid Dynamics, and ME 590AB -Advanced Topics in Fluid Dynamics. ME590A will cover viscous flow and ME590B inviscid flow. Academic background should be at least a master's

If you are interested in teaching any of these courses, send a resume to Steve Lee. Code 094. If you have any questions, call NWC ext. 2468.

Lunch slated Aug. 15 to honor graduates of

A graduation luncheon will be held honoring the Center's graduates this past year in the Business Administration, Public Administration, Computer Science, Electical Engineering, and Fellowship and Cooperative Education Programs. The luncheon will be held at the Commission Officers' Mess (Open) from 11:30 a.m. to 1 p.m. on August 15. Speakers for this event will be Dr. Ed-

disciplinary Engineering Technician, DT- ward Kutchma, head Aircraft Weapons Integration, Code 31, chairman of the Long Term Training committee; and Burrell Hays, NWC Technical Director; Dr. Harry Kelsey, Dean of the School of Business and Public Administration, Cal-State College phases of environmental testing on a varie- Babersfield; Dr. Charles Urbanowicz, ty of ordnance items and weapons. Super- Associate Dean of Continuing Education, Cal-State University Chico; Dr. A. F. Ratcliffe. Dean of the School of Engineering and Computer Scienc, Cal-State Unitesting, including environmental testing versity Northridge; and Mr. Roe Darnell, systems, equipment and devices; dynamic Dean of Instruction, Cerro Coso Communi-

> Speakers, friends, and supervisors, coworkers and instructions of the graduates are invited to attend. Anyone wishing to attend the luncheon must call NWC ext. 2634 no later than Friday, August 9, to make reservation. Menu choices are: Chef's salad or roast beef at \$5.

Secretarial opportunities

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

Applicants will be rated against 4 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 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. D-39-074, Secretary (Typing), GS-318-4/5, Code 3912 - The incumbent provides secretarial support to the branch head of EO Missiles Systems Branch. Promotion potential GS-5 but not guaran- Promotion potential to GS-5.

No. 08-040, Secretary (Typing), GS-318-4/5, Code 087 - Incumbent provides secretary support to Corporate Budget Staff.

Reassignment opportunities

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

No. 36-280, Interdisciplinary General/ Electronic Engineer, Computer Scientist, DP-801-855-1550-2/3, Code 3682 — Incumbent provides software management support in (QA) for various projects Centerwide; will be responsible for planning, executing and QA; will prepare or direct the preparation of software QA plans, specifications, statements of work and other documentation necessary for the development and/or acquisition of software for Center programs; will participate in reviews and tion of warhead and explosives at firing audits of in-house and/or contrac- sites in Area R, Burro Canyon and CT-6. tor-developed software. Knowledge of one The primary effort of the incumbent is to or more of the following is desireable: plan, design, and execute the full spectrum Software management, acquisition and of the test. This will involve any or all of the development processes; software following activities: Coordination and engineering practices and principles in- planning meetings with project personnel, ing software documentation and OA occasional travel, preparing cost esting Knowledge of DOD Navy and Center stan- and cost tracking, safety considerations, dards, instructions and directives related to design of test crew to conduct test, and software. Ability to prepare and/or analyze documentation of test results. A secondary plans, specifications and directives and effort involves planning and design for imapply them to specific development pro- provements and modernization of the test

forms Branch. The incumbent will design 6214, ext. 6365.

state of the art seekers and seeker components for Sidewinder 9M-PIP or advanced IR and RF seekers and seekers for Outer Air Battle or Advanced ARM. Computer the areas of software quality assurance aided design based on SDRC Geomod linked with Computervision will be used to support the design task. To apply, submit a reporting all efforts related to software current SF-171 to Mike Jacobson, Code

No. V-62-009, Mechanical Engineer, DP-830-2/3, Code 6214 -- The work of the facilities themselves and tracking and No. 39-066, Mechanical Engineer, DP-3, review of ongoing projects. Hours are from Code 3941 — Acts as Senior Missile Seeker 0700 — 1600. To apply for this position, send Design Engineer in the Sensors and Plat- an updated SF-171 to Bill Ledden, Code

Graduates should have luncheon invitations

Driscoll or Cecil Webb at NWC ext. 2648.

munity College technician and computer science.

Anyone who is a graduate of any of the training; science technicians; Cal-State programs listed below and has not yet Northridge MS in electrical or mechanical received an invitation to the graduation engineering; Cal-State Bakersfield luncheon is asked to notify either Kit bachelor's program in business administration or master's degree in public The training programs are: Long Term administration; or Cal-State Chico Training Fellowships, Cerro Coso Com- bachelor's or master's degree in computer

Recent additions

6424

CODE	NAME	TITLE
08	Osgood, William K.	Laborer
081	Scarborough, Joan J.	Clerk-Typist
082	Yoo, Philip M.	Operations Research An
0825	Fleming, Gene D.	Management Analyst
086	Bennett, Valerie S.	Clerk-Typist
08A1	Johnson, Tamra L.	Clerk-Typist
092	Moldenhouer, Earlene.	Clerk-Typist
25204	Pogge, Kathleen M.	Clerk-Typist
25251	Vaughn, Barbara J.	Clerk-Typist
2637	Sanow, Robert G.	Architecture Tech.
26414	Shanks, Dave P.	Painter
26422	Adams, Thomas R.	A/C Equip. Mech.
26429	Grace, George L.	Electrician
26433	Nelson, William W., Sr.	Boiler Plant Opr.
26446	Eustice, Michael L.	Electrician
267	Cooper, Geneva A.	Clerk-Typist
26932	Chen, Kent C.	Civil Engr.
2694	Flemming, Cleone R.	Data Transcriber
3102	DeJohn, Patricia A.	Clerk
32	Donaldson, Helen J.	Clerk-Typist
3252	Crom, James M.	Laborer
3274	Serrano, Andres S., Jr.	Aeorspace Engr.
3353	Keyes, Charles D.	Electronic Engr.
3554	Wallace, Steven A.	Mathematician
3682	Clodfelter, Richard A.	Chemist
3687	Jenkins, David L.	Physicist
3923	Gunn, Lois M.	Clerk-Typist
6424	Nguyen, Hao T.	Electronics Engr.

Recent departures

	Hoodill do	Hoodill dopartaros		
01A2	Alden, Edwin V.	Operations Research An.		
1442	Peterson, John E.	Physicist		
2524	Kimenhour, Linda S.	Contract Spec.		
3352	Connor, Donald S.	Mechanical Engr. Supvy.		
3402	Curran, Nicholas C.	Admin. Officer		
3665	Wright, Charles E.	Mechanical Engr.		
3683	Cripps, Teddy R.	Eq. Spec.		
3944	Olanyk, David A.	Electronics Engr.		
62533	Winter, Joseph H.	Electronics Tech. Supvy.		
62543	Trammel, John O.	Electronics Tech.		

California State University Fall Classes

The following classes are being offered this fall for the Cal-State Chico Computer Science Program (Bachelor's and Master's Degrees), the Cal-State Northridge Mechanical Engineering (Master's Degree), and Electrical Engineering (Bachelor's and Master's Degrees) Programs; and the Cal-State Bakersfield Business (Bachelor's Degree) and Public Administration (Master's Degree) Programs.

To enroll in these classes (other than Cerro Coso). submit a Training Request (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held in class at the first class meeting. Deadline for enrolling is 10 calendar days before the starting date of the class. Although training requests will be accepted after the deadline, that date will be used to determine whether the class will "go."

COMPUTER SCIENCE

CSCI 372: OPERATING SYSTEM THEORY (3 units) 3, 4 August; 24, 25 August; 21, 22 September; Saturday and Sunday; 0800-1600; Safety Building.

By: Professor Larry Wear, CSUC. Prerequisite: CSCI 272 or consent of instructor.

Scope: Review of operating system development. Comparison of various types of multipurpose systems including master/slave and parallel processor systems. Analysis of multiprocessor system performance and capabilities.

CSCI 171: COMPUTER ARCHITECTURE (3 units)

7, 8 September; 5, 6 October; 26, 27 October; Saturday and Sunday; 0800-1600; Safety Building. By: Professor John Slater, CSUC.

Prerequisite: Assembly language programming. Scope: Internal processor architectures, basic combinational and sequential logic, codes, instruction sets and instruction decoding, memories and memory operation, arithmetic units, stack structures.

Note: This is a core class (BS and MS).