



**PACKING —** Maurice Hamm packs his gear to move out of Hangar 3. He's the last person to move of those who were officed in the building when construction was completed on it in 1960. Hamm plans to spend much of his time in the near future working to establish a Naval aviation Museum at China Lake. — Photo by PHAA Bob Reynolds

## DCC workshops set in April

Desert Counseling Clinic will honor the Month of the Child and Child Abuse Prevention Month, April in both cases, with a series of special programs.

Paulette Solberg will moderate a panel on incest after showing the film, "Breaking Silence," on Wednesday, April 9, from 7 to 9 p.m. A question and answer period will follow.

Barbara Burton, Project Coordinator of Eastern Kern County Children's Self-Help Project, will present a program on "How to Protect Your Child from Sexual Abuse" on Tuesday, April 15, from 7 to 9 p.m.

Leslie Fadem will conduct a session entitled "Dealing with Children Under

Stress" on Wednesday, April 23, from 7 to 9 p.m. This program will be geared specifically for child care providers and others who work with children. In addition, every Wednesday in April from 5:30 to 6:30 p.m. therapists from DCC's Children's Services will be on hand to greet parents informally and to answer questions about parenting and children.

All these programs will be held at the DCC office building, 814 North Norma Street in Ridgecrest.

Additional information and registration forms can be obtained by telephoning DCC at 375-9781. A minimum donation of \$3 per workshop is being requested if possible.

## Movies

FRIDAY, MONDAY	"TARGET"	MARCH 28, 31
	Starring Gene Hackman and Matt Dillon (Adventure, rated R, 118 min.)	
SATURDAY	MATINEE	MARCH 29
	"JUNGLE BOOK" (Animated, rated G, 76 min.)	
SATURDAY, SUNDAY	"KING SOLOMON'S MINES"	MARCH 29, 30
	Starring Richard Chamberlain and Sharon Stone (Action/Adventure, rated PG-13, 100 min.)	
WEDNESDAY	"THE STUFF"	APRIL 2
	Starring Michael Moriarty and Andrea Marcovicci (Drama, rated R, 87 min.)	
FRIDAY	"JEWEL OF THE NILE"	APRIL 4
	Starring Michael Douglas and Kathleen Turner (Comedy, rated PG, 105 min.)	

Starting Times: Matinee / 2 pm Evening / 7 pm

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

## Weather Report

	Max	Min	Peak Gust
Fri. 84	38	12 knots	
Sat. 84	40	18 knots	
Sun. 81	41	18 knots	
Mon. 83	45	30 knots	
Tues. 82	42	13 knots	
Wed. 88	44	22 knots	
Thurs. 91	46	15 knots	

All measurements are made at Armitage Airfield.

## Surplus government goods to be auctioned on April 16

The Defense Reutilization and Marketing Office at China Lake will hold a public local auction on Wednesday, April 16. The sale will start at 9 a.m. in Building 1073, Warehouse 41. The public is invited to bid.

Among the 185 items to be offered will be 7.5-horsepower boat motors, IBM typewriters, evaporative coolers, drinking fountains, office furniture, map files, speakers, metal shelving, bowling scoreboards, steam cleaners, patio chairs, wood pallets, lawn mowers, electrical and electronic test equipment, torque wrenches, microfiche viewer, power supplies, signal generators, microwave ovens, and an emission exhaust analyzer.

The items will be on display for inspection beginning on Tuesday, April 8, from 8 a.m. until 3 p.m. Mondays through Fridays.

A complete list as well as sale terms and conditions can be seen at Bldg. 1073, Warehouse 41.

Registration will begin at 8 a.m. on the day of the sale. Bidders must be present and registered to bid. Mailed bids cannot be accepted. Items can be removed on the day of the sale provided full payment is made, and payment must be made in cash or a guaranteed instrument (money order, cashier's check, traveler's check, etc.). Purchasers have until April 23 to pay for and remove items before storage charges are applied.

Anyone who does not have a pass permitting entrance within the interior security fence, must stop at the main gate to pick up such a pass before going to Bldg. 1073.

## Unusual program open to all

Dr. Paul MacCready, who has developed a series of unusual flying devices from solar powered and human powered aircraft to a flying replica of an extinct dinosaur, will speak on Friday, April 4, from 3 to 5 p.m.

Since Dr. MacCready's talk is expected to be of unusual interest, this Technical Director's seminar will be presented at the Center theater, and everyone in the community is invited to attend. Young people are especially invited.

Topic of his talk is "Exploring Limits of Minds and Aeronautical Creations." Dr. MacCready will talk about how self-imposed mental "blindness" tend to thwart creativity and condition people to attribute gullibility and narrow-mindedness solely to others. He will discuss techniques to improve such situations.

He has an academic background in physics and aeronautics, has been a meteorologist, inventor, world champion glider pilot and has explored new horizons in conserving energy and the environment and in teaching thinking skills. Dr. MacCready is perhaps best known for designing the two human-powered aircraft that won two Kremer prizes, as well as developing a solar-powered aircraft that carried a pilot from Paris to England.

Currently he is building a pterosaur, a wing-flapping, flying replica of an extinct dinosaur that will be featured in a Smithsonian Institution IMAX film on flight.

## April price lower

The Youth Activities Branch of the Recreational Services Department is having a "Month of the Young Child" special. Parents will receive half-off the admission price, when accompanied by the children, every Sunday at the Youth Center from 12:30 to 4:30 p.m. during the month of April.

For more information, call Kelley Cammon at NWC ext. 2334.

## Cranston Bill maps at BLM

One complete set of maps related to Senator Alan Cranston's proposed California Desert Protection Act can be found at the Ridgecrest Resource Area Office of the Bureau of Land Management, 112 E. Dolphin St. in Ridgecrest.

Those who are interested are welcome to come to the office between 8 a.m. and 3:30 p.m. Mondays through Fridays. Only one set of maps is available; there are no copies for public distribution.

## Community Events

Steve Millang and Greg Scelsa of Youngheart Records will play a concert at the Center theater on Thursday, April 3, at 6:30 p.m. The concert, entitled "Everybody Has Music Inside," honors the "Month of the Young Child."

Tickets are now on sale at the NWC Children's Centers, Community Connection for Child Care, Rainbow Ridge School, Norma Square Preschool, Ridgecrest Nursery School, and the Cerro Coso Child Development Center, as well as the NWC Information, Tickets and Tour Office. Advance tickets are \$2.50 for adults and those age 12 and over, and \$1.50 for children. Ticket prices at the box office on the evening of the concert are \$3 for adults and \$2 for children.

The Protestant Women of the Chapel will hold an extensive yard sale next Friday and Saturday — April 4 and 5 — at 1010 Blandy Avenue, just west of the All Faith Chapel. The sale runs from 8 a.m. until 2 p.m. both days.

Not only will household items, clothing for all ages, toys, tools, books, records and other miscellaneous items be on sale, but there'll also be home-baked pies, cakes and cookies for eating while shopping or for taking home to enjoy later.

Anyone who has any items to donate should telephone Billie Hise at 375-1967.

Sunglee Suki Lee, art instructor at Cerro Coso Community College, will be guest artist for the month of April at the Sylvia Winslow Exhibit Gallery of the Maturango Museum. A reception will be held for her Sunday, April 6, from 2 to 4 p.m. at the museum and the public is invited to attend.

She has exhibited widely throughout the west and Canada. Her current exhibit is titled "World-Inner-Space." Sale of her artwork on display during April will benefit the Maturango Museum building fund.

## Rugged rescue effort brings top helo award

Named aircrew of the year by the National Helicopter Association was the China Lake Search and Rescue crew that performed a spectacular rescue at Mt. Whitney last July 13.

The aircrew, which had already been presented regional honors at a ceremony held in San Diego in January, was honored at the annual banquet of the Naval Helicopter Association held at the Town and Country Hotel in San Diego recently.

Receiving the award were Lt. Tim Cleary, pilot of the SAR helo; Lt. Mark Eoff, co-pilot; and aircrewmembers AE3 Mark Keenan and AD2 Richard Tavenner.

They had been called out on that July morning to rescue a climber who had fallen while climbing Mt. Whitney. Members of the China Lake Mountain Rescue Group had reached the injured man and had determined that he needed to be evacuated as promptly as possible.

Unless he could be moved by helicopter, he would have to be carried either up or down the mountain; both would have been extremely difficult because of the area in which he had fallen. The helicopter crew determined they would attempt to airlift him to the hospital at Lone Pine.

Adding to the difficulty of the operation was that the helicopter was on the edge of its flight envelope; even the winch ordi-

(Continued on Page 5)



**PROUD MOMENT —** Vice Admiral James E. Service (far left) joins members of the Center's Search and Rescue helo crew (l. to r., Lt. Tim Cleary, Lt. Mark Eoff, AE3 Mark Keenan, and AD2 Richard Tavenner) that was made the Naval Helicopter's Association's helicopter crew of the year. Also present, far right, is Rear Admiral Bruce R. Boland, Commander, Naval Base San Diego. All but Petty Officer Keenan are still assigned to NWC. — Photo courtesy of Jerry Bonnell, Bendix Oceanic Systems



## Geothermal power production grows closer



**GROUND BREAKING —** Capt. Ralph Cugowski, NWC Public Works Officer, was among those commenting on the history and significance of geothermal energy development at Monday's ground breaking for a 25-megawatt geothermal power plant.

With nearly 100 persons looking on, formal ground breaking ceremonies were held for a 25-megawatt geothermal power plant at Coso Hot Springs on board the Naval Weapons Center Monday afternoon.

Representatives from NWC, China Lake Joint Venture, Guy F. Atkinson Co. and Mitsubishi Heavy Industries America, Inc. joined in the ground breaking, then smashed chilled bottles of champagne on the blade of a bulldozer used to start excavation of the plant site.

Capt. J. W. Patterson, Deputy Laboratory Director, told the assembled crowd the hallmark of this project was multiple use of land resources, demonstrating energy development and NWC's research, test, development evaluation mission can successfully co-exist in the Coso Hot Springs area.

The \$51 million power plant will be built by Guy F. Atkinson Co. while Mitsubishi will provide the 25-megawatt turbine generator. Under terms of the contract approved earlier this year, Atkinson will not only build the plant, but will design and finance the construction and then operate the completed geothermal power plant.

Development of this resource will, according to Capt. Patterson, produce the energy equal to burning 10 million barrels of imported oil each year. It provides an opportunity for the Naval Weapons Center to become energy independent.

Capt. Ralph Cugowski, NWC Public Works Officer, said this day was possible because of "two decades of dogged determination" by people in the Navy to see this geothermal resource come alive. He noted it was neither easy nor quick in coming to this point.

Like Capt. Patterson, Capt. Cugowski praised the efforts of two former NWC Public Works Officers, Capt. J. L. Horacek, USN (Ret.) and Capt. Bill Wilson, USN (Ret.) in bringing life to geothermal energy production at Coso Hot Springs.

This project is unique in that there is no Navy risk involved. All financing of exploration of the Coso geothermal resource and for power plants to be built will come from private venture capital. The Navy provides the resource, but not the money to develop it with.

Dr. Carl F. Austin, who heads NWC's Geothermal Utilization Division in the Public Works Department, said he had been involved in this effort to develop geothermal energy at NWC for 25 years.

"People doubted every conceivable aspect of this project, but... we are on the downhill slope now," commented Dr. Austin in his remarks Monday. He noted the task sometimes seemed like pushing a boulder uphill.

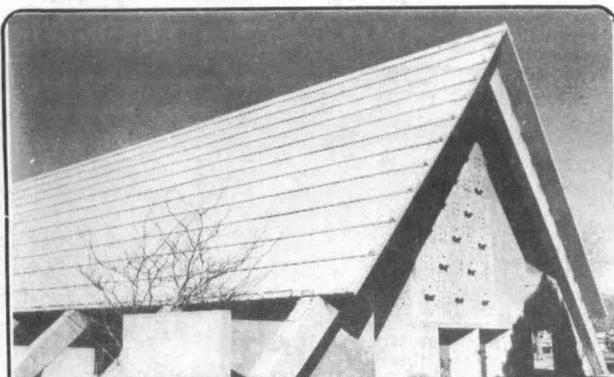
Since the potential resource was documented from 1964 until now, the promise of geothermal energy has kept Dr. Austin and many others very busy. And, he noted, "it's going to take all of us to keep this going. I look forward to production with satisfaction, glee and relief."

China Lake Joint Venture, a combination of California Energy Co. of Santa Rosa, Calif. and Caithness Geothermal of New York, was represented by Charles Condy, Chairman of California Energy Co. He called the action a "historic event." This, he noted, is the first 25 megawatts of what could eventually be a 250 megawatt geothermal power production from the Coso geothermal field.

If all 250 megawatts come on line, Coso will become the nation's second largest geothermal field, surpassing the Imperial Valley. He called this project a "perfect example of the innovative spirit of the U.S. Navy."

Representatives of Guy F. Atkinson Co. and Mitsubishi Heavy Industries America also made comments praising this new step forward and saying they looked forward to

(Continued on Page 7)



## Divine Services

**PROTESTANT**  
**SUNDAY WORSHIP SERVICE** 10:30 a.m.  
**SUNDAY SCHOOL** (Annexes 1, 2, 4, and the East Wing) 9 a.m.  
**BIBLE STUDY** (East Wing)  
 Tuesday 7:30 p.m. (Nursery provided) Sept. through June  
 Wednesday 11:30 a.m. Sept. through June  
 Thursday 7:00 p.m. Officer's Christian Fellowship  
 Christian Military Fellowship  
**ROMAN CATHOLIC**  
**SUNDAY MASS** 9:00 a.m.  
**CONFESSIONS** (Sunday) 8:15-8:45 a.m.  
**COMMUNION SERVICE** (Monday) 11:35 a.m.  
**DAILY MASS** (Tuesday through Friday) 11:35 a.m.  
**CONFESSIONS** (Friday) 4:30-5:00 p.m.  
**RELIGIOUS EDUCATION CLASSES** (Sunday) Sept. to May 10:30 a.m.  
**JEWISH**  
**WEEKLY SERVICES** (Friday, East Wing) 7:30 p.m.  
**ADULT EDUCATION** (Saturday, Annex 4) 9 a.m.  
**RELIGIOUS SCHOOL** (Sunday, Annex 4) 1 p.m.  
 Chaplain J. Milton Collins, Capt., CHC, USN  
 Chaplain A. J. Smith, Cdr., CHC, USN  
 Chaplain Jason E. Knott, LCdr., CHC, USN  
 Phone, NWC ext. 3506, 3507

## Training needs survey to be distributed soon

Center personnel are again going to be asked to submit their inputs to the annual survey of training needs to help the Human Resources Development Division develop the Center's annual training plan.

Shortly all civilian personnel will receive a survey form and a list of courses which could be offered in the upcoming year if there is enough interest. Each person is asked to list which courses would meet his or her training needs during the next fiscal year. In addition, each will be asked to suggest any courses not already on the list that would be appropriate to meet career needs.

Members of the Human Resources Development Division urge thought be put into suggesting additional courses so that they can be added to the Center's training plan and individual codes will not need to be asked to fund them later in the year.

Academic courses — such as those for the external degree programs — should not be listed because they are determined through other means.

At the time of performance reviews (in April for anyone in the Demonstration Program and in May for all others), each individual is asked to discuss with his or her supervisor classes that may be needed. Supervisors will then turn in the completed forms, and they will be gathered in department staff offices to be checked. In past years, individual work groups and department staff offices were asked to

summarize the class requests. This will no longer be necessary because the forms will be sent to the Personnel Automated Data Systems Group to be keyed into the computer. (Code 09803 asks, however, everyone be very careful anything written on the survey forms be legible to ease the problems of such keying.)

Training is considered vital by Center Command. As Burrell Hays, NWC Technical Director says, "Individuals really do make the difference, and enhancing their skills directly benefits the Navy."

In addition to classes, the Human Resources Division offers a large number of self-study courses. Some of these are correspondence courses that the employee can complete at home, some are computer-assisted courses taught using Code 094's PLATO System (Computer Assisted Instruction), some are taught on microcomputers such as the Apple, and some are video courses that can be checked out.

The self-study courses make training more timely and more available to everyone, because individuals can use the facilities in the Training Center such as PLATO, the Apple computers and microcomputers at their convenience (including evenings and weekends) and at their own rate of speed rather than having to wait until a class is offered. The student can also focus just on the most needed material.

## Innoculations given April 7

The Kern County Health Department will hold its monthly immunization clinic for children two months to 17 years of age on April 7 from 8 a.m. to 12 noon at the Health Department, 250 W. Ridgecrest Blvd.

Appointments are not necessary. A parent or legal guardian must sign consent forms for persons under 18 years of age.

The cost of each immunization is \$2, with a maximum charge of \$5 per family per visit. Credit cards, insurance forms, or large bills will not be accepted.

For more information about immunizations and Hib vaccine, parents should contact their private physician or the Health Department at 375-5157.

## NEX slates two special sales

Navy Exchange patrons have two big sales to help them save money toward that summer vacation while still getting the items they need right now.

The 40th anniversary sale of the NEX

started yesterday and will last through April 3, and the April home sale will run from April 4 through April 9.

Now is the time to drop in on the NEX to check out the fine merchandise on hand.

## Four reasons brought Muschinske to Center

Eric Muschinske, an electronics engineer in the RF System Branch of the Weapons Department, says four primary factors influenced his choice of accepting a position at NWC when he completed his bachelor's degree from Cal Poly Pomona.

First, he liked the style of work as described to him — "the opportunity to do some open research" — because he had found that he liked that environment when he was working at the Jet Propulsion Laboratory while he was in college. While there he worked on equipment for calibrating Deep Space Network projects, really an applied research-type project.

Second, he liked the Junior Professional tours because they gave him a variety of work experiences in different Center operations. Before he went to work in his home code, his first tour after coming aboard about a year and a half ago was in the Range Development Branch, which took him to the Center's north ranges.

From there, he moved to Randsburg Wash for a tour before working in the

Anit-Radiation Laboratory in the RF building near Thompson Laboratory, and then moved to his home code in Michelson Laboratory.

"Claude Brown, the JP Coordinator for Code 39 told me to try to get into a variety of jobs and locations during the JP year, and I certainly did that," Muschinske chuckles.

Third, he notes, is that he was told at NWC it is possible to get a lot of responsibility fast. "One of the reasons that I joined the Air National Guard while I was in college (along with getting some hands-on experience with communications) is that there, also, I was able to get a lot of responsibility soon," he says.

That level of responsibility will increase later this year because he is scheduled for a six-week active duty tour in OCS that will result in his becoming an ANG officer.

Although he is very interested in flying and is an active member of the China Lake Flying Club, he does not intend to try to become an ANG pilot but will stay in the

communications field.

His fourth reason for accepting a job at NWC, Muschinske says, is that he was thoroughly ready to leave the Los Angeles basin because that's where he was born. He drove more than 70 miles each day to go from home to school and to his job at JPL, and he wanted to get away from the hassle of having to drive the freeways daily.

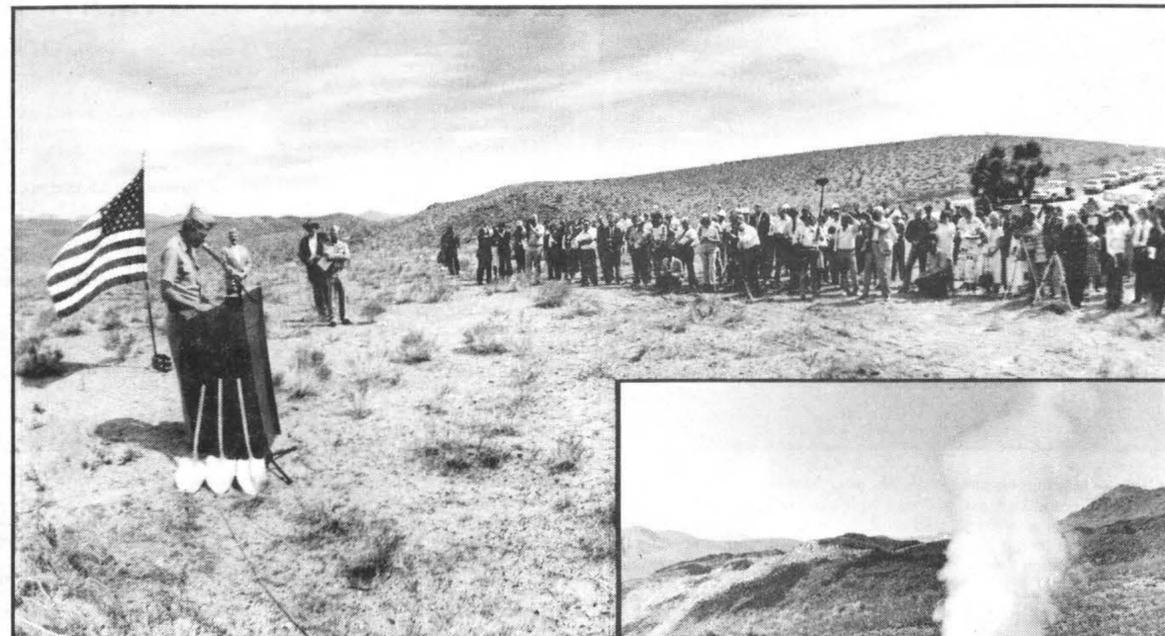
His hobby of being a ham radio operator, he says, helps to give him the feeling of getting around without having to spend hours in the car each day. Other hams can reach him as KA6AMD.

Muschinske says that he's been very pleased with his choice of heading to NWC. "The people have been great and the work has been very interesting," he says. "I plan to take advantage of another benefit here also when my six weeks of active duty is over. I plan to use another real benefit that NWC provides to its employees. I hope to enroll in the external degree program here to work on my master's degree. Having such a program right at hand is a real boon to anyone looking to grow in his career field."



**HARD AT WORK** — Eric Muschinske digs through technical materials at his desk, but faces two Air National Guard posters to remind him that he'll be getting six weeks of active duty in OCS this year with the ANG. — Photo by PHAA Bob Reynolds

## 'Full steam ahead' on geothermal energy . . .



**GEOTHERMAL POWER** — Capt. J.W. Patterson, NWC Deputy Laboratory Director, stands on ground destined to become part of the first geothermal energy power plant constructed in the Coso Hot Springs area of the Naval Weapons Center.

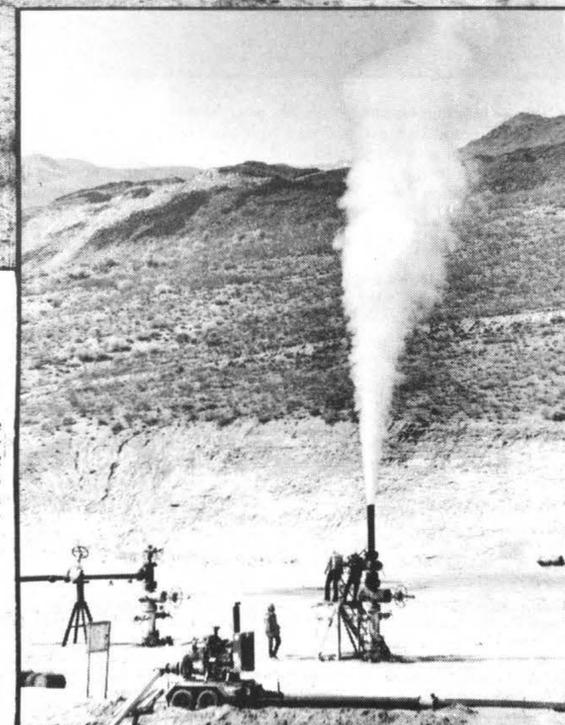
(Continued from Page 1)  
 participation in development of this first power plant.

Four or five of eight existing geothermal wells will be used to power the first 25 megawatts of production. Estimates of up to 675 megawatts have been made of the Coso field's potential.

Construction is expected to take about 16

months. The 25-megawatt plant will have the capacity to generate enough electricity to supply present and future needs of NWC until the year 2009. Power generated will go into the public utility grid, resulting in an estimated \$20 million savings to the Center for electricity over the next 10 years.

As California Energy's Charles Condy said now it's "full steam ahead."



**FULL STEAM AHEAD** — Dr. Carl Austin, who heads NWC's Geothermal Utilization Department, smashes a bottle of champagne on the bulldozer blade at Monday's geothermal ground breaking. Representatives from Guy F. Atkinson Co. and Mitsubishi Heavy Industries America wait their turn to take part.



**GEOTHERMAL ENERGY** — California Energy Co. employees turn on the steam as a demonstration of geothermal energy at the Coso Geothermal Field.

Photos by PH2 Rick Moore

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# Spring Youth Soccer season gets underway

Action began last week in Spring Youth Soccer League play. Sponsored by the NWC Recreational Services Department, loop action will continue until summer. Teams are divided into three divisions based on age and experience of athletes.

## DIVISION ONE

### Rowdies 8, Eagles 1

Behind a seven-goal attack from Neil Covington, the Rowdies were easy winners. Louis Morro added the final goal in the big win. Nick Ford notched the lone goal for the Eagles. Derek Falk and Lacey Cordell also played well.

### Coyotes 7, Cobras 0

Daniel Hartley's five-goal effort and lone scores by Jemison Kennedy gave the Coyotes all they needed for an easy win. Matthew Eastman's play in goal highlighted the Cobra effort. Dave Verbeck made the best offensive showing in the shutout loss.

### Chiefs 3, Apollos 0

Led by their captain, Michael Hobson, the Chiefs blanked the Apollos. Hobson accounted for all three goals in a strong team effort. The Apollos were credited with a strong defensive game against a strong foe.

### Owls 2, Fury 1

With a goal by Traci Thornberry on a penalty kick and a tie-breaking goal by Jason Bowling, the Owls nipped the Fury squad. Jeffrey Janson dribbled the full

length of the field for the only goal by the Fury. Natasa Albright and Jimmy Orozco also had strong performances in the loss.

### Express 7, Roadrunners 2

Vaskan Haroutunian ripped the Roadrunners for five goals as he led the Express win. Chris Potten and Michael Grise had solo scores in the win. Glenn Baker accounted for both goals by the Roadrunners while they got good play from Janna Bullock, Nathan Turner and Salvador Ramirez.

## DIVISION 2

### Lancers 3, Aztecs 1

Behind three goals from Mike Ogren, one of them assisted by Sean Waldon, the Lancers took home the victory. Colby Begin's goal was the only score for the Aztecs. The coach credited Ben Friesman, Justin Ward and Sean Williams with good performances in the loss.

### Timber 5, Strikers 1

Three players did the scoring in the win. Mike Fredrick hit for three goals while

Sean Cassidy and Michael Eberhart had solo scores. Tiffany Marshall led the defense. Joe Mechtenberg accounted for the Strikers scoring, but they got good play from Jason Hainsworth, Joe Wilhorn and Tom Ernst in the loss.

### Drillers 0, Sockers 0

In a scoreless tie, the Drillers got good performances from Kenny Carr, Heather Scott and Doug Wilson. The Sockers were led by Chad Killinger, Mark Castillo and Howard Gamble.

### Blizzard 6, Cosmos 0

The Blizzard got an easy shutout win as Hugo Montes scored four goals while Isaac Curran and Eric Armstrong added single goals. A solid Blizzard defense shut down the Cosmos despite strong efforts from Christopher Thornberry, Melanie Lloyd and Andrew Grabowski.

### Earthquake 0, Sting 0

Chris Blevens and Philip Nave led the Sting effort, but couldn't break the deadlock. Jason Duff, Greg Greedy and

Jesse Watke were key players for the Earthquake.

## DIVISION THREE

### Roughnecks 6, Kicks 0

Despite a hard-driving defense, led by David Miller, the Kicks were blanked. Brendan Weimholt, Ben Lee and Mike Addison were credited for a good play in the loss. Natalie Noel had a pair of goals in leading the winners. Casey Smith, Scott Becker, Mike Kinne and Kris Carter had single goals in the winning cause.

### Surfs 7, Diplomats 1

Scott Hanson was a one-man gang against the Diplomats, scoring five goals in leading the winners. Robin Hemmings and Jeff Bradley had the other goals. The lone goal from the Diplomats came off the foot of Alex Valdivia.

### Tornadoes 6, Sounders 0

Strong offense from Bryan Auld and Brad Bays (two goals each) led the winning effort. Jason Rainwater and Matthew Bullock had the other goals. The Sounders coach credited the strong play of Jose Rodriguez and Chad Shedlock with keeping the game interesting.

### Rogues 1, Whitecaps 1

Aaron Drybread had the lone goal for the Rogues while Greg Jansen was credited with outstanding defensive play. The Whitecaps got their lone goal from Aaron Crook. James Sweany and Carol Stockin played well in a clash between two evenly matched squads.

## Young Scorps halted again

The Scorpion Under-14 soccer team showed some signs of improvement at mid-field but were still unable to handle the experience of the San Bernardino Cosmos in a 3-1 loss on March 22 at San Bernardino.

The Cosmos took advantage of early Scorpion errors with goals by Craig Richard and Mike Mills. The Scorpion defense, led by Matt Verbeck, then tightened for the remainder of the match.

At 3 minutes into the second half, Scorpion Ryan Phillips chipped a pass over the Cosmos defense to Mike Bowen. Mike took the ball at full stride and blasted a shot into the lower right corner for the lone Scorpion score.

Midfielder, James Thompson, then picked up the pace for the Scorpions by winning loose balls. This shifted the pressure from the Scorpion defense to the Cosmos, however, the Scorp couldn't put together a scoring combination.

The final Cosmos tally came near the end of the match on a penalty kick.

Under-14 players take Easter weekend off and host the Rialto Blast on April 5 at 1:30 p.m.

## Scorpions hit two in a row at Riverside

Members of the Under-16 Scorpion soccer club maintained their unbeaten record with a 3-2 win against the Riverside Soccer Devils last week.

A pair of goals by Matt Ziegler were the key to the win. The other goal came from Matt Mechtenberg set up by a precision pass by Craig Rindt.

Defensive efforts by Tom Caves and Scott Hamilton played a big part in this second spring win for the Scorpion squad. Riverside was the Inland Empire Youth Soccer League favorite coming into the spring season.

The Under-16 team is idle this week, but will be in the Mission Bay Classic Tournament in San Diego next week when they resume play for the season.

## Sports



## Fishing better

The gorgeous weather last weekend brought lots of boats out on Lake Isabella with anglers trying for a variety of fish.

Bass were biting, both in the north and south fork areas, where the water was between four and eight feet deep and around trees. Anglers using crawdads, nightcrawlers and artificial lures in dark colors caught bass running up to seven or eight pounds.

At least one 10- to 12-pound bass was also caught from shore, Department of Fish and Game wardens report, but they were unable to confirm its exact weight because they saw the angler from their boat.

On the shore anglers were trying for trout and catfish. Neither was biting well, but a few king salmon are now being taken.

(No more silver salmon remain in the lake; restocking of salmon has been with king salmon. They can be readily told from trout because they have a submarine-shaped snout, dark gums, and their anal fins have more than 13 rays.)

The river was also planted with fish, both above and below the lake. Since the water is no longer pouring down from the high country at a very high rate, DFG wardens believe that anyone willing to hike above the Johnsondale Bridge can probably do well with catching native trout.

## The King readies softball exhibit

Softball competition between the King and Court softball team will benefit the Muscular Dystrophy fund drive on April 1 when the King comes to China Lake. Sponsored by area fire fighters, the King and Court will face a team made up of Muscular Dystrophy fighters and the El Charro Hombres.

Game time is set for 7 p.m. at Schoeffel Field. Advance tickets are on sale now at the Flower Shop on Ridgcrest Blvd. and the NWC Fire Station 1. Tickets are \$5 for adults and \$4 for children.

Eddie Feinger, the King, bills himself as the world's greatest softball pitcher. His four-man team, founded in 1946, plays up to 180 games per season as they barnstorm across the country.

Feinger has pitched up to 34 innings in a single game, fanning 73 batters. He has pitched blindfolded, striking out 18 batters while walking just three.

All profits from this clash will go to the Muscular Dystrophy fund drive.



**COMMANDER'S CUP** — AD3 Tim Hill plays racquetball for the NWC Blue team in Commander's Cup racquetball competition earlier this week. — Photo by PHAA Bob Reynolds

## Soccer Club places seven in development program

Ridgcrest's Scorpion Soccer Club sent seven players to San Diego last weekend to take part in Olympic Development Program soccer matches. Jason Cherry, Robert Smith, Scott Piri, Doug Dragovich and Bill Ladden of the Under-19 team and Chris Johnson and Matt Zeigler of the Under-16 squad were playing for the California Youth Soccer Association - South District Five All-Stars.

Coach Karl Kauffman of the Under-19

Scorpions will coach the Under-18 team in district competition.

The District Five team tied Orange County's team in opening action, 1-1. In their second game, the stars were on the short end of a 4-2 contest against Simi Valley-Thousand Oaks players. Scott Piri of the Scorpions had an assist in that contest.

The Under-19 Scorp will play in the Mission Bay Classic in San Diego this weekend.

## The Skipper Sez...



### QUESTION

**Civilian Employee** — Hi! I'm a civilian employee and I just wanted to know if there's supposed to be a Yield sign at the intersection of the traffic circle and Knox when you're going south towards the main gate on your way off the base.

There used to be a Yield sign there and I don't think there's one now and I've seen a few accidents almost happen. Thank you.

### ANSWER

Thank you for your attention and concern with traffic safety on the Center. A representative of the Safety Office surveyed the intersections at the traffic circle and found that there is currently a Yield sign posted at each intersecting road. The Yield sign in question may have been missing when you noticed the problem and has since been replaced.

All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. K. A. Dickerson. Please call NWC ext. 2227 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.

## Hays' party being planned

The retirement party for Burrell Hays, NWC Technical Director, will be held on Thursday, May 1, at the Enlisted Mess. Everyone who plans to attend is asked to get in touch with the Program Coordinator's Office as soon as possible so name tags can be made.

Those attending are asked to contribute \$5 each towards the cost of hors d'oeuvres and other party expenses. The money can be collected at the time name tags are being made by Code 0031, which is located in

the lobby of Michelson Laboratory.

The evening will begin with a social hour at 6 p.m., to be followed by presentations at 7 o'clock. The party is being held at the Enlisted Mess because it is the Center's largest facility that can be used, and a big crowd is anticipated.

Further information about the party can be obtained by telephoning the Program Coordinator's Office at NWC ext. 2634 or 3379.

## Maintenance Control Div. moves

Maintenance Control Division of the Public Works Department has moved to Building 978 in the Public Works Compound. Branches moving are the Production Management Branch, Special Inspec-

tions Branch and the Planners/Estimators and Inspections Branch.

Telephone numbers and extensions remain unchanged.



## Another winning idea

LCdr. Jim Bullock, head of the Construction Division in the Center's Public Works Department, has again become a winner of the Model Construction Agency's MCAP Award, this time with a suggestion that will assist both the government and contractors who are bidding on construction contracts.

When the government is planning to ask for bids on construction, a government engineer estimates the cost of the construction. Although contractors are not given the estimate, they are given a range of prices. On that basis of that range, a contractor can decide if he wishes to go through the effort of preparing a bid, which can be both time-consuming and costly.

Federal Acquisition Regulation 36.204 lists eight ranges of prices given contractors. A common range for military construction or major rebuilding is from \$1 million to \$5 million dollars.

Cdr. Bullock noted that many contractors who are able to handle a \$1 million dollar contract cannot handle (or obtain bonding for) a contract of, say, \$4.5 million.

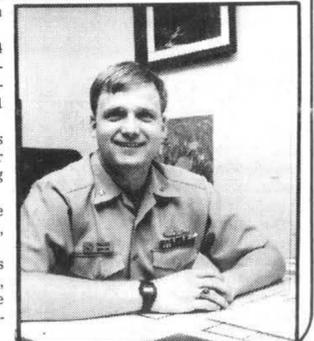
He proposed the particular price rate be broken into two: \$1 million to \$2.5 million, and \$2.5 million to \$5 million.

"This makes our way of doing business more consistent for contractors," he notes, "and that ensures that the bidding will be more competitive. When bidding is com-

petitive, the government wins, and a contractor does not have to go through an expensive bid-preparation process only to discover that he is unable to really handle the project due to its size.

LCdr. Bullock's suggestion was forwarded to the Western Division of the Naval Facilities Engineering Command, and has been accepted.

Richard Staples, local MCAP manager, says that there is a possibility that LCdr. Bullock's suggestion may be expanded Navy-wide once its effectiveness is evaluated here.



**SPECIAL AWARD** — Richard Greffenius, Deputy Regional Forester for the U.S. Forest Service, presents a Special Accomplishment Certificate to Lee O'Laughlin, China Lake Fire Division Chief. The certificate was for the High Desert Fire Prevention Association's efforts toward fire prevention education. — Photo by PHAA Bob Reynolds

## Recognition given for fire prevention efforts

Fire prevention efforts from four agencies, including the China Lake Fire Division, brought special recognition from U.S. Forest Service officials at the Regional Forester's Office in San Francisco.

For the past 10 years, China Lake has worked with firefighters from Kern County Fire Department, the Forest Service and Bureau of Land Management officials in a comprehensive fire prevention program for the Indian Wells and Kern River Valleys.

This is the 10th anniversary of joint efforts to educate residents, mostly school-age children, to dangers of fire and teach them about fire prevention.

Mike Smith from the Sequoia National Forest briefed Capt. K. A. Dickerson, NWC Commander; Richard Greffenius, Deputy Regional Forester; and Capt. P. D. Stephenson, NWC Chief Staff Officer, on the program.

Smith noted the high level of success experienced by this fire prevention effort was due to teamwork, "that's the secret... we work as a team." The emphasis is on educating children in east Kern County.

School-to-school visits during Fire Prevention Week each October and heavy involvement in regional parades and fairs have brought results making this special award possible.

Each time firefighters go out to make their fire prevention pitch to school children they are accompanied by one or more of the special "Ambassadors of Good Will" (Smokey the Bear, Woody Owl or Sparky the Dog) who assist in getting the message across to students.

"I think we can all feel good about what's been done here in heightening awareness of people regarding fire prevention," said Greffenius before making the presentations.

He added "the interagency approach is a much better use of taxpayer dollars. The

results are better than if each agency tried to do this separately."

The High Desert Fire Prevention Association has proven to be a positive thing. Agencies involved say they are very pleased with results of this joint effort.

Greffenius said he was very pleased to represent the Regional Forester in presenting these special recognition award certificates.

Chief Lee O'Laughlin accepted the award on behalf of China Lake Fire Division. Also accepting certificates were Patty McLean and Bob Reiner from BLM, Jim Crates, Sequoia National Forest and Roy Tullis, Kern County Fire Department.

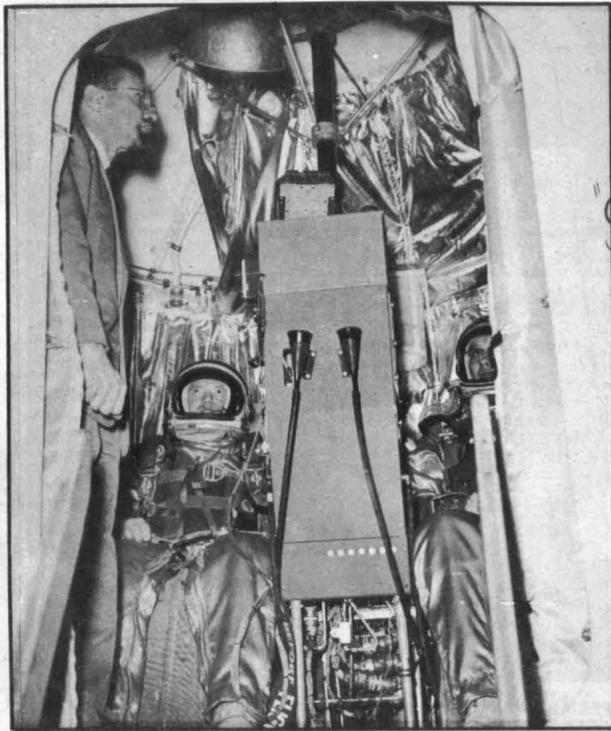
## Computer show set for April 17

The Scientific Computing Branch of the Information Systems Group has arranged for several computer vendors to make presentations about their products at the Commissioned Officers' Mess on Thursday, April 17, from 9 a.m. until 3:30 p.m.

Participants and agenda include: 9 a.m., Pyramid Technology Overview, Unix, X.25, DDN Communications; 9:45 a.m., Pyramid Technology in the Federal Government; and 10:30 a.m., VMark Computer Universe Database. After lunch, the day resumes with, at 12:45 p.m., Verdex ADA Compiler Capability; 1:30 p.m., Relational Database Systems Informix Database; and, at 2:15 p.m., Quadrator Systems Office Automation Tools.

No advance reservations are required. Those interested are invited to drop in for any of the presentations. Further information can be obtained from Gene Guglielmo, NWC ext. 3597.

# Manned balloon used for astronomical research



Research at the Naval Weapons Center has not been exclusively in the field of weaponry or of possible weapon-related areas. In 1962 and early 1963, what was then NOTS took part in Project Star Gazer — a manned balloon flight for astronomical research.

Aboard the gondola were Air Force Capt. Joseph W. Kittinger, Jr., of the Air Force System Command's Aerospace Medical Research Laboratories at Wright-Patterson Air Force Base and William C. White, a physicist in the Earth and Planetary Sciences Division of the NOTS Research Department. Capt. Kittinger served as balloon pilot, with White being balloon astronomer and observer.

The project was part of a basic research program in space environments conducted by the Air Force's Office of Aerospace Research, under the direction of Dr. J. Allen Hynek. China Lake was involved in part because of the work being performed at the Cactus Peak Observatory in the Coso Mountains.

Altitudes of 72,000 to 78,000 feet were maintained during the observation period of the Dec. 13-14, 1962 flight. Although a malfunction of the star tracker necessitated manual control of the gyrostabilized system in the gondola, scintillation and image motion data were gathered.

One of the big successes of the program was the successful demonstration of a new balloon material — Mylar film on a Dacron scrim.

In those days before earth satellites were being launched, gathering astronomical data by gazing at stars from above the earth's atmosphere was just an astronomer's dream.



## NWC COTRs attend class

The excellence for which the Naval Weapons Center is renowned extends to the Contracting Officer's Technical Representatives (COTRs). In a recent class for COTRs taught by Ed Craemer of the Long Beach Regional Contracting Center, six of the China Lakers received a perfect score for the course. This, Craemer said, was the highest percentage ever of perfect achievers.

These six were Robyn J. Anders, Ray W. Finders, Steven D. Johnson, Renee P. Lemonnier, Ann Soto, and Randy D. Williams.

The role of the COTR has taken on added importance because of the national focus on prevention of fraud, waste and abuse since COTRs are the eyes and ears of the contracting officer. They bear the responsibility of detecting and reporting any problems to this officer.

In keeping with the Navy-wide effort to ensure that all COTRs have the necessary training and expertise, the Supply Department has established a Central Coordinating Office to provide a focal point for the Center's 55 COTRs who handle contracts totalling over \$128 million annually.

The primary responsibility for this office is to provide counsel and advice to COTRs. Aid ranges from establishing effective procedures on new contracts to resolving cost/performance issues with on-going contracts.

Central Coordinator for COTRs is Bill Lalor, who is located in the Management and Policy Office of the Supply Department, Code 25204; his NWC extensions are 2043 and 2087.

## Health tip of the week

In 1983, each smoking employee cost his or her employer \$5,662 more than a non-smoking employee did. In an organization of 300 people, assuming one-third smoke, the cost is \$566,200 per year.

An electronics board that apparently fell off a delivery truck was found next to the golf course. Police contacted the NWC code to which the property belonged and returned the item.

Three 14-year-old girls were arrested by China Lake police when the girls set off a false fire alarm so that they would not have to return to class at Murray School after noon one day last week. They will be referred to juvenile authorities.

A warrant was issued on a suspect who had run the "After Six" parties on three counts of fraud for obtaining money for orders and not producing the orders. West Covina also has three warrants against her for the same type of charge. In addition, as she was searched while being booked after the arrest, she was found to be in possession of a controlled substance (less than an ounce of marijuana), so she was also booked for that.

China Lake police assisted the California Highway Patrol in traffic control at the Trona-Red Mountain-Randsburg Wash Road when an accident between a Honda and a truck occurred.

A military individual reported that his 1985 Harley Davidson motorcycle was taken from the Pan American World Services janitorial compound.

Unknown persons removed cleaning supplies from the NWC galley at the airfield, according to a report filed with China Lake police.

When officers made a traffic stop of a 13-year-old boy in the Navy Exchange gas station parking lot, they found that the youngster was not licensed to ride the motorcycle he was on. He was cited

into juvenile court and released to his father.

Two traffic accidents were reported on the same day. In one instance, someone who parked in the east parking lot of Michelson Laboratory noticed that the left side of his vehicle had been hit and damaged by an unknown vehicle, making this a hit-and-run accident. In the second instance, someone backing out of a driveway on Bogue Circle hit a vehicle parked in front of a neighbor's house, resulting in minor damages.

While checking the Credit Union after hours, police noticed a bicycle that was unlocked and unattended. The bike has been moved to the police department's impound lot, where the owner can claim it.

Personnel of the parachute rigging shop in Hangar 1 reported unknown persons had removed \$50 from the top of a desk.

On Sunday a military man was found to be firing a handgun in the desert near the recycling center. Since this is in violation of

an NWC instruction, a report is being written.

Police were asked to stand by and keep the peace while a wife moved her possessions out of a residence on Dobb Road.

Police arrested a 12-year-old boy for possessing and shooting off fireworks. He was released to his parents, and the case will be referred to the probation department.

A resident on Sidewinder Street reported a prowler in the back yard of the residence.

Somebody stole a combination lock from a government storage van at Building 31180.

A Ridgecrest resident brought a box of corroded ammunition to the China Lake police. They turned it over to EOD for disposal.

A 12-year-old boy was bitten by his pet hamster. He was treated at the Branch Medical Clinic and released.

## ARC plans 'disaster' dinner

The Indian Wells Valley Branch of the American Red Cross invites all residents interested in disaster preparedness to an informational dinner on Thursday, April 10, at the Enlisted Mess.

The dinner honors Earthquake Preparedness Month in California — April — because of the San Francisco earthquake that occurred on April 18, 1906. Guest speaker for the evening will be Dr. Glenn Roquemore, who will talk about seismic events.

Also speaking will be Dick Millis, NWC Disaster Preparedness and Crisis Management Officer, and Bill Cooper from the City of Ridgecrest.

The evening will begin with a social hour at 6:30 p.m., to be followed by dinner at 7 o'clock. Cost of the dinner is \$10 per person, and reservations are required.

They must be made by April 7 by telephoning Diane Grattaroti at the Red Cross Office, NWC ext. 3208, Mondays through Friday between 12:30 and 5 p.m.



## China Lake Police Reports

# Hornet plane captain accorded an NWC honor

AE3 Marty Chilton added Sailor of the Year honors for the Naval Weapons Center to his list of first time accomplishment last week. Petty Officer Chilton was selected as NWC's top sailor in competition with Sailors of the Quarter for the other three quarters of 1985. AE3 Chilton was Sailor of the Quarter for the fourth quarter of last year.

Petty Officer Chilton has also been recognized as Sailor of the Month and Plane Captain of the Month. As an F/A-18 plane captain, he recognized an inherent design problem with Hornet exhaust covers, developed a solution and submitted it as a beneficial suggestion. This solution is now being introduced throughout the fleet.

In the Navy for nearly three years, Petty Officer Chilton attended Boot Camp at

Orlando, Fla. and "A" school at Memphis, Tenn. for instruction as an aviation electrician. After being assigned to NWC's Aircraft Department, he became a qualified F/A-18 plane captain in the minimum time.

Because of his developing leadership and managerial skills he was additionally given the responsibility of monitoring training of all newly assigned plane captain trainees at

NWC as Line Division Training Petty Officer.

A native of Mount Airy, North Carolina, AE3 Chilton was active in sports and other extra-curricular activities at North Surry High School.

Prior to joining the Navy he was involved in his church's Seasonal Retreat Program and was recognized for his dedication to helping himself and others.

At China Lake, Petty Officer Chilton has continued involvement in his church and community. He took part in Project Community Pride, the Navy Birthday Celebration and the church's Outreach Ministry Program. He and his wife, Susie, were also honored when their home on Center was selected for Yard of the Month.

In addition to a full work load at Armitage Field, Petty Officer Chilton has pursued his education at Cerro Coso Community College, completing a year of college work while assigned here.

Command Master Chief ABCM L.C. Duysen, said Petty Officer Chilton continues to be a major asset to the Line Division and this command. A letter of commendation reads in part, "His performance both on and off duty continues to impress his peers and leaders."



## Military News



TOP SAILOR — AE2 Marty Chilton, an F/A-18 plane captain is the Naval Weapons Center Sailor of the Year. Petty Officer Chilton does a pre-flight check on an F/A-18 Hornet.

## Ticket sales get underway for C/MAC

Ticket sales are now underway for the High Desert Civilian/Military Affairs Council (C/MAC) Military Person of the Year banquet to be held at Joshua Hall in Ridgecrest on Saturday, April 19.

All five of the high desert military bases have nominated a junior enlisted member to represent their various organizations. The China Lake nominee this year is AE3 John Linford of Air Test and Evaluation Squadron Five.

All military and civilian members of the community are invited to attend the dinner at which the guest speaker will be Principal Deputy Assistant Secretary of the Air Force (Manpower, Reserve Affairs and Installations) Karen Keesling.

The prime rib and wine dinner plus the evening's program are \$25 for each person. Tickets can be obtained from Ridgecrest City Mayor Anna Marie Bergens by contacting the Ridgecrest City Hall or by telephoning her at 375-1321 and leaving a message.

## SAR helo crew achieves national honors . . .

(Continued from Page 1)  
narily carried to winch personnel or objects into the helo had been removed because of the altitude at which the craft had to fly to reach the injured man.

AD2 Tavener volunteered to rapell down a rope lowered from the helicopter, attach the Stokes litter into which the CLMRG personnel had placed the climber, and then ride the litter down with the victim at the

end of the 100-foot rope beneath the helo since the two could not be winched up.

The spectacular flight occurred as the helicopter crew hoped it might, and the injured man was brought to the medical care he so urgently needed.

The selection committee of the NHA decided this was the most notable helicopter operation of the preceding year.

resulting the presentation made at the awards banquet by Vice Admiral James E. Service, Commander, Naval Air Force, U.S. Pacific Fleet.

Three of the four awardees were met at San Diego by Petty Officer Keenan, who is now on the USS Tarawa; they all received plaques denoting their award.

The Naval Helicopter Association is a

non-profit, professional and social organization whose purpose is to promote recognition and to enhance the prestige of the United States Naval vertical flight community. The NHA is dedicated to promoting the use of vertical lift aircraft in the United States Navy, Marine Corps and Coast Guard and to keeping its members informed of new developments and accomplishments in Rotary Wing Aviation.

## Kitchen fire dangers told

"Never pour water on a grease fire!" Has anyone ever said this to you? A housing occupant who was confronted with a grease fire would have fared better had he heard and heeded this advice. He was heating cooking oil on the kitchen stove when the oil ignited. He poured water onto the flames, causing an explosion, which led to an even larger explosion. The force of that explosion moved him 6 feet and destroyed the kitchen walls.

Here's what probably caused the explosions. When water converts from liquid to

steam, its volume increases 1,700 times. When the water hit the flames, the rapid expansion caused an explosion. This explosion vaporized the remaining cooking oil, producing a flash fire with a large pressure build-up. Thus the major explosion.

While the chain of events described are rare, kitchen fires are not. More than half of all house fires originate in the kitchen. Cooking equipment is involved in 47 percent of all house fires, with unattended cooking a major factor.

## Annual Navy Relief effort organizational meeting

Lt. Cdr. Rich Bruce, who will again head the annual Navy Relief Society fund drive, invites everyone interested in helping with that superb cause to attend an organizational meeting at 2 p.m. on Tuesday in the

pilot's lounge at Hangar 3. He and his drive co-chairman, Lt. Tim Cleary, will discuss plans for a drawing and other fund-raising methods. The drive will run from April 27 through May 30.

## Well animal clinic set

The Craft and Hobby Branch of the NWC Recreational Services Department is sponsoring a Well Animal Inoculations Clinic on Tuesday.

The clinic will be held from 10 a.m. to 12 noon and from 1 to 2 p.m. at the Craft Center, located off Lauritsen.

This clinic is specifically for well animals only; those with medical problems will not

be accepted. Horses stabled off base must be transported to the Center Stables to receive shots.

All active duty and retired military are eligible for the veterinary service. Appointments are mandatory. Call NWC ext. 3252 or NWC ext. 2080 for appointment or more information about this service.

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

## INTRODUCTION TO FORTRAN

5-14 May, Monday-Wednesday; 19 and 20 May, Monday and Tuesday; 0800-1130; Training Center. By: John Francis, Code 32503.

Intended audience: Beginner programmers in FORTRAN.

Scope: Topics include creating source codes, compiling, linking, variable types, READ/WRITE statements, DO loops, IF-THEN-ELSE, GOTO (for PASCAL users), SUBROUTINES, FUNCTIONS, COMMON blocks, troubleshooting, and documentation. The class will be as interactive as possible, using the computer of your choice: IBM, VAX, UNIVAC, CP/M, Macintosh, Atari 520ST, Apple II, etc. There will be examples handed out in your disk format if you specify in advance.

Note: Some outside reading and programming assignments—about 1 to 2 hours per day.

Deadline: 21 April.

## NAVY FORMAT FOR TECHNICAL WRITERS

24 April, Thursday, 0800-1130, Training Center.

Scope: Provides a brief on Chapter 1 (Naval Writing Standard) of the Department of the Navy's *Correspondence Manual*. The class will help you make the transition from "governmentese" to plain English. You will learn the formats for naval letters and memorandums and their use. Please bring a *Correspondence Manual* to class.

Deadline: 10 April.

## VAX-11 DBMS PROGRAMMING

19-23 May, Monday-Friday, 0800-1600, Training Center. By: Staff of Digital Equipment Corp.

Prerequisite: You must possess user skills equivalent to those taught in Digital's VAX/VMS Utilities and Commands course. You should be an experienced application programmer, preferably having at least 2 years of experience on Digital equipment in an application programming environment. Also a knowledge of data base management systems to the level presented in Digital's Understanding Data Base Management Self-Paced Audiovisual course or DBMS Concepts Lecture/Lab course is required.

Scope: When you finish this course you should be able to describe the components of VAX-11 DBMS and their interaction; write COBOL and/or FORTRAN DML programs; write VAX-11 DBMS programs using the call interface; design VAX-11 DBMS programs; process, compile, run, and debug VAX-11 DBMS application programs; describe the life cycle of a DBMS user request; write a VAX-11 DBMS schema, subschema, and storage schema; and process and implement a VAX-11 DBMS schema, subschema, and storage schema.

Deadline: 18 April.

## IN SEARCH OF EXCELLENCE

6 May, Tuesday, 0800-1600, Training Center. By: Roger Kirkham, American Training Alliance.

Scope:

### OUTLINE

- I. Establishing an Organizational Culture Which Fosters Excellence
  - Self-discipline is strongest in customer-oriented cultures.
  - Eliminating cultures which foster internal politics.
  - Strong cultures should foster individual autonomy and innovation.
  - Cultures in excellent organizations come from transforming leadership.
- II. Leaders vs. Managers
  - Leaders are movers and shakers, original, unpredictable, imaginative, full of surprises that discomfit the enemy in war and the main office in peace.
  - Managers are safe, conservative, predictable, conforming organizational people and team players, dedicated to the establishment.
  - Transforming leadership raises leaders and followers to higher levels of motivation.
  - Transforming leaders instills greater self-confidence rather than forcing submission of followers.
  - Leadership is escape from mediocrity and has a passion for equality.
  - Management shuns equality, feeds on mediocrity by not promoting individuals whose competence might threaten their own

position; so as the power of management spreads wider, the quality deteriorates.

### III. Managing for Excellence

- How to get everyone pulling in the same direction.
- Strengthening accountability will boost morale, increase productivity, and improve communication.
- An organization's ability to improve is proportional to its ability to learn from experience. Things that don't change remain the same.
- Without change, there can never be improvement.

Deadline: 22 April.

## MANAGING CHANGE AND BUILDING COMMITMENT TO IMPROVEMENT

7 and 8 May, Wednesday and Thursday, 0800-1600, Training Center. By: Roger Kirkham, Instructor.

Intended audience: Managers and supervisors.

Objectives: The goal of this workshop is to cause constructive change and improvement. It is not enough to have you "enjoy" the training and then go back to doing the same things as before. Our approach is to get you to take the tools, techniques, and approaches you receive in the training and actually apply them in your own job situation.

Scope: Topics include identifying and developing a common vision of organizational issues; developing specific action plans for implementing necessary changes and improvements; integrating work-group and organizational goals; building more effective teamwork; establishing trust and credibility between work groups; overcoming and preventing communication going sour; listening effectively; fostering meaningful discussion and interaction between work groups; and learning from each other's experience in implementing the workshop material by identifying what works, what doesn't, and why.

Deadline: 24 April.

## DEFENSE CONTRACT MANAGEMENT

12-16 May, Monday-Friday, 0800-1600, Training Center.

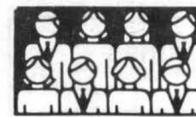
Scope: The purpose of this class is to provide nonprocurement personnel associated with any of the various aspects of contracting with an understanding of the statutory and procedural requirements that form the basis of the contracting function. Class materials focus on the interrelationships between contracting personnel and other functions during the pre-award and post-award phases of the procurement process: soliciting sources, evaluating proposals, awarding contracts, and exercising proper post-award surveillance.

Deadline: 28 April.

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

## Cal State advisor here

Dr. Jagdish Prabhakar of Cal-State University Northridge will be on-Center April 24 to advise current and prospective students in the external degree programs offered by the school. Those who wish to see Dr. Prabhakar are asked to make an appointment by telephoning Kit Driscoll at NWC ext 2648. Cal-State University Northridge has external degree programs in electrical engineering and mechanical engineering at NWC which lead to a master's degree. Those who wish to see Dr. Prabhakar are asked to make an appointment by telephoning Kit Driscoll at NWC ext 2648.



## 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 addresses the specific Knowledge/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 signatures in ink.

All applications will be retained in the vacancy announcement file; they will not be returned or filed in official personnel folders. Applications and supplements are accepted at the Reception Desk, Room 100, Personnel Department, 505 Blandly. 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. 00-006, Television Production Specialist, DP-1071-3, Code 01A2** — This is a temporary promotion not to exceed 1 year. This is an off-Center assignment. Implements and directs planning, coordination and development of written/visual media and training projects. Provides assistance in administrative duties. Services include scientific, technical, administrative publications, presentations, technical art, photography, and audiovisual support. **Knowledge:** of major technical programs. **Abilities:** to determine technical documentation and presentation requirements of customers; to deal effectively with diverse groups of people.

**No. 08-022, Computer System Analyst, DS-334-1, Code 08C2** — The incumbent organizes data and information for a large data base system. Data flow analysis for Supply Procurement functions is a required function. Analysis of technical computer system requests will require documented study findings. The incumbent will train Supply Data Base Users in correct data entry procedures. Writes trouble reports for correction by assigned programmers. **Knowledge:** of terminal usage accessing a VAX Data Base System. **Abilities:** to communicate effectively orally and in writing; to understand Configuration Trouble Reports and Specification Requirements Sheets. Promotion potential to DS-2.

**No. 08-023, Accountant, DA-510-1, Code 08606** — This position is located in the Central Staff, Accounting Division, Quality Control and Analysis Staff. Under the guidance and supervision of the head, Accounting Division or a senior accountant the incumbent maintains accounting records, and ledgers that include information in terms of unit costs, expenses, inventories, cost of sales, overhead distribution,

and revenues for services provided by the activity. Prepares analyses and interprets statements of financial condition and other accounting reports. Designs, adapts, installs, evaluates, and/or revises prescribed accounting systems including accounts, reports, records, devices for controls, and related procedures. Uses accounting information to help solve management problems through advice and collaboration. Researches accounting policies and procedures and conducts evaluation of accounting practices and systems. **Knowledge:** of basic accounting theories, techniques, and standards. **Ability:** to perform analysis of an accounting nature. Promotion potential to DA-3.

**No. 22-8608, Snack Bar Operator, PS-2091-02, \$4.23 per hour, Temporary Part-Time. Not to exceed 8-15-86, Code 2227** — Incumbent ensures all areas are clean, maintains adequate stock for the next shift, vendors popcorn, soda, candy and beer, prepares hamburgers, hotdogs, french fries, etc. **Abilities:** Must be able to handle money, make change, deal with the public and fill out inventory reports accurately. Must be able to handle objects up to 40 lbs. This is not a civil service position.

**No. 22-8609, Snack Bar Supervisor, PS-2091-05, \$5.19 per hour, Temporary Full-Time Not to exceed 8-15-86, Code 2227** — Incumbent ensures that snack bar rules and regulations are posted and adhered to, schedules employees to ensure adequate coverage, monitors quality of staff performance. Incumbent is accountable for inventory sold and money received. Prepares and cooks such items as hamburgers, hot dogs, french fries, etc. **Abilities:** Must be able to maintain adequate stock of all food items and reorder as necessary. Must be able to deal with the public effectively and continually handle objects

# Personnel News & Notes

No. 55, March 28, 1986

Naval Weapons Center, China Lake, California 93555-6001

up to 40 lbs. This is not a civil service position.

**No. 22-8610, Public Affairs Specialist, UA-1035-6/7, PFT** — Incumbent is responsible for marketing, promotion, research, and publicity functions for the Recreational Services Department. Implements, develops, and plans strategy for marketing and promoting club, package store, and recreational services activities/programs. Collects and analyzes statistical data and compiles into report format for assigned studies. Is responsible for publicity section which publishes monthly "Roadrunner" and other news releases, flyers, posters, etc. Prepares budget, staffing and equipment requirements for all functions within area of direct responsibility. **Qualification Requirements:** B.S. degree in English, Journalism, Communications or Business or equivalent work experience which has provided exposure/experience to writing, publications, communications, and or government recreation/club operations. Successful candidate must have ability and skills relevant to perform management and administrative functions as they pertain to the "recreational services" environment as well as having people oriented skills. This is not a civil service position.

**No. 22-8611, Operations Clerk, AS-0301-05, Permanent Full-Time, Code 2222** — Incumbent acts as a receptionist; answers phones, types memos and letters using proper government format; prepares a monthly newsletter; prepares monthly reports that include accounting reports such as accounts receivable; prepares purchase requests and verifies receipt of all orders; reviews purchase orders; maintains files. **Qualification Requirements:** Must be able to type, operate office machines. Must be tactful, courteous, present self well, both in appearance and speech. Must have the ability to maintain, use and understand directives, regulations and references used in connection with the operation of the child care center. Must have the ability to work with accounting figures and ledgers. Experience working with children or in children's programs is helpful. This is not a civil service position.

**No. 24-010, Clerk-Typist, GS-322-4/ Security Clerk, GS-303-5, Code 2432** — This position is located in the Personnel Security Section of the Information Security Branch. Incumbent performs clerical/security clerk duties which include processing employee security clearances, fingerprinting, typing clearance letters and messages, originating foreign travel messages, maintaining logs, filing and mailing. Position provides support in personnel security actions. **Elements:** Knowledge of regulations and directives relating to personnel clearances, message processing; knowledge of regulations and directives relative to foreign travel requirements; ability to effectively interface and communicate orally and in writing. Promotion potential to the GS-5 level.

**No. 25-008, Claims Examiner (Typing), GS-2135-5, Code 2531** — This position is located in the Personal Property Branch, Quality Assurance Division, Supply Department. The incumbent will perform personal property inspections, investigate personnel claims, and assess losses or damage. The incumbent interviews claimants personally or by phone and documents findings, corresponds with other activities and concerned parties as necessary for determining facts and finalizing claims. Incumbent utilizes police/Naval investigative reports, inspection reports, claimant's statement and other relevant information to determine cause and responsibility for the loss and damage. The incumbent will perform quality assurance evaluation of household goods packing/crating contractor. Approximately 60% of the work is performed outside the office in travel to homes, businesses, freight terminals, Government warehouses and other locations within an area encompassed by

points as far away as Trona and Bishop. **Knowledge:** of transportation regulations and a basic knowledge of transportation, civil, insurance, and traffic law; investigative techniques similar to those used by law enforcement agencies or insurance companies including gathering facts, deductive processes, examining and verifying evidence. **Ability:** to present findings and recommendations orally and/or in writing. Promotion potential to GS-7.

**No. 31-128, Computer Specialist, DS-334-2/3, Code 3106** — Position is located in the Field Station Program Coordination (FSPC) Office. Incumbent will design, develop, analyze and manage a computer-based hardware/software system utilizing the Univac 1100/83 in conjunction with S2K DBMS. The data bases provide user support to four separate aircraft. Incumbent also provides coordination effort with contractor support personnel. **Elements:** knowledge of computer hardware and software; ability to work under pressure; ability to interface with all levels of personnel both on and off Center. Promotion potential to DS-334-3.

**No. 36-144, Supervisory Documentation Reproduction Specialist, DS-1601-3, Code 36514** — Incumbent is responsible for the management of the Center Repository under the Data Acquisition and Control Branch. **Elements:** Knowledge of DOD/NAVWPNCEN procedures/instructions on documentation; personnel policies and procedures; ITAS; control and handling of engineering documentation; Affirmative Action of EEO policies; Contracting Officer's Technical Representative for support contracts; equipment and processing necessary for the reproduction of engineering documentation. **Ability to:** communicate orally; communicate in writing; implement and establish repository controls; prepare budgets and determine personnel allocations; review engineering documentation for format, adequacy, legibility, and reproducibility; implement storage procedures for engineering documentation. Promotion potential to DP-3.

**No. 36-145, Clerk-Typist, GS-322-3/4, Code 3604** — Incumbent provides clerical support to the Sidewinder Program Office. **Elements:** Knowledge of: grammar, punctuation, spelling, and proper format. **Ability to:** Receive and refer phone calls and visitors; prepare timecards, personnel forms, travel orders, and itineraries, and requisition supplies. Promotion potential to GS-4.

**No. 39-010, Administrative Assistant/Officer, DA-341-1/2, Code 3908** — Incumbent provides financial and administrative support, including personnel, safety and security, facilities and procurement for the Sparrow Program Office. Assists business manager in budget preparation and financial tracking and reporting. **Knowledge:** of accounting and budgeting, purchasing, personnel, and plant account procedures. **Abilities:** to prepare and implement financial and administrative procedures, to review information/data for accuracy and completeness, to communicate with and work effectively with personnel within and outside the organization. Promotion potential to the DA-2.

**No. 621-029, Mechanical Engineer, DP-830-1, Code 62120** — This position is located in the Environmental Engineering Group. The incumbent coordinates environmental test programs, follows up on the test progress and status, generates test procedure documents, interfaces with the customers, analyzes the test data, and issues the final reports. Assists in performing engineering tasks in support of the Center acquisition programs as required and develops new environmental test techniques. **Knowledge:** of environmental test and procedures, of environmental recording devices and test measurement equipment. **Abilities:** to coordinate a variety of activities; to communicate effectively both oral-

ly and in writing; to work as a team member in performance of duties. Promotion potential is DP-3. Previous applicants will be considered for the position, and need not reapply.

**No. 64-019, Mechanical Engineering Technician, DT-802-3, Code 64141** — This position is located in the Machine Shop Section, Support Branch, Recovery Systems Division of the Aerosystems Department. The incumbent will be required to design and fabricate special tools, fixtures and jigs, and be able to calculate loads, weights, and tolerances as required. The incumbent must also be capable of determining unsuitable materials and unrealistic requirements from original designs and concepts. The incumbent is responsible for fabrication of unique, one-of-a-kind prototype R&D models and test support hardware. The incumbent must be capable of independent planning, layout, modifying, fabricating, and assembling R&D prototypes and test support hardware without the use of detailed drawing using a variety of materials involving various manufacturing processes and procedures. **Knowledge:** of prototype R&D model hardware. **Abilities:** to design and fabri-

cate special tools, fixtures, and jigs. Promotion potential to DT-3.

**No. 622-005, Model Maker Leader, WL-4714-14, Code 62222** — This position is located in the Engineering Section of the Track Operations Branch (SNORT), Range Operations Division, Range Department. Supplemental Required. Incumbent is a working leader who leads several employees in accomplishment of work assigned by the section head. In addition, the incumbent is required to perform the duties of a model maker, which includes fitting, assembling, installing, testing, and modifying complete structural and mechanical prototypes of experimental and developmental models of track test vehicles, camera components, electrical and electronic components, ordnance test items, and other related models or devices required in the track testing field. **Knowledge:** of pertinent metals. **Abilities:** to do the work of the position without more than normal supervision; to do the theoretical, precise, and/or artistic work of the trade; to use shop drawings; to use hand tools for machine shop; to lead. **Skill:** in measurement and layout. Previous applicants will be considered for the position, and need not reapply.

## Secretarial opportunities

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

Applicants will be rated against 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; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

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

**No. 26-017, Secretary (Typing), GS-318-5, Code 263** — Provides secretarial support to the Engineering Division.

**No. 32-200, Secretary (Typing), GS-318-4/5, Code 3263** — Provides secretarial support to Weapons Systems Branch "A." Knowledge and working skill on a Xerox 640 desirable. Promotion potential to GS-5.

**No. 36-143, Secretary (Typing), GS-318-4/5, Code 3681** — Incumbent provides secretarial support to the Soldering Technology Branch. Promotion potential to GS-5.

**No. 36-146, Secretary (Typing), GS-318-4/5, Code 3686** — Incumbent provides sec-

retarial support to the Reliability Engineering Branch. Promotion potential GS-5.

**No. 39-009, Secretary (Typing), GS-318-4/5, Code 3941** — Incumbent provides secretarial support to the Head, Sensors and Platforms Branch.

**No. 625-001, Secretary (Typing), GS-318-4/5, Code 6251** — Provides secretarial support to the Computer Systems Branch of the Data Systems Division. This challenging position is located in the Range Control Center. IBM Displaywriter use is integral part of the job. (Training will be provided if needed). Support is also provided in the routing and logging of Range Test Plans.

## 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. 39-008, Interdisciplinary Electronics/General/Mechanical/Aerospace Engineer/Physicist, DP-855/801/830/861/1301-2/3, Code 3955** — This position is located in the RF Guidance Development Branch of the RF Division, Weapons Department. The incumbent will provide systems engineering support for the AMRAAM Program. Technical coordination and consultation will be provided for NWC AMRAAM support tasks including: Missile guidance and control, ordnance, propulsion, instrumentation, flight tests, and aircraft integration. Ability to direct or perform missile systems/subsystem analysis and develop solutions to identified design/performance concerns, and the knowledge of RF missiles, analog/digital signal process and software/hardware experience are highly desirable. Frequent travel to contractor and government facilities is required. To apply for this position, send copy of current SF-171 to Bill Bailey, Code 3955, NWC ext. 3956.

**No. 39-011, Electronics Engineer, DP-855-1/2/3, Code 3925** — Position is in the RPV Technology Branch of the Weapons Department. Incumbent will be responsible for the analysis and design of digital circuits and systems related to the guidance and control of various missile systems. Assembly language programming may be required. To apply for this position send a current SF-171 to J. Owens, Code 3925.

**No. 39-012, Electronics Engineer, DP-855-1/2/3, Code 3925** — Position is in the RPV Technology Branch of the Weapons Department. Incumbent will be responsible for the analysis and design of both analog and digital circuits and systems for various instrumentation and control systems. To apply for this position send a current SF-171 to J. Owens, Code 3925.

**No. 61-002, Electronics Engineer, DP-855-2/3, Code 6131** — This position is located in the Tracking and Control Branch of the Engineering Support Division of the Aircraft Department. The branch is responsible for maintenance and operation of target

(drone) control systems and engineering support of Target Control Systems Navy wide. Incumbent will participate in design, development, analysis, and testing of digital, analog, and software components of target (drone) control system components. Forward applications to J. Haynes, Code 6131.

**No. 621-024, Electronics Engineer, DP-855-1/2, Code 62143** — This position is located in the Electronic Section, Warhead Test Branch, Ordnance Test & Evaluation Division, Range Department. The work involves measurements of warhead and explosives performance parameters. The challenge is to design measurement systems to meet project requirements, using off the shelf subsystems or own designs. Send SF-171s to T. Taylor, Code 62143.

**No. 625-010, Interdisciplinary Electronics Engineer/Computer Scientist, DP-855/1550-2/3, Code 62551 (2 Vacancies)** — This position is in the Projects Section, Advanced Systems Branch of the Data Systems Division in the Range Department. The branch is responsible for the development of advanced range instrumentation systems. The incumbent will participate in the analysis, design, and development of electronic components associated with range weapon test support instrumentation, including optical, radar, and laser tracking systems. Promotion potential to DP-3. Send SF-171s to R. A. Harriman, Code 6255.

**No. 625-011, DP-855-1/2/3, Code 6255 (2 Vacancies)** — This position is in the Advanced Systems Branch of the Data Systems Division of the Range Department. The branch is responsible for the development of advanced range instrumentation systems. The incumbent will participate in the analysis, design, and development of electronic components associated with range weapons test support instrumentation, including optical, radar, and laser tracking system. Promotion potential to the DP-3. Send SF-171s to R. A. Harriman, Code 6255.



## Personnel Development Opportunity

**FILES IMPROVEMENT AND RECORDS DISPOSITION**  
23-24 April, Tuesday-Thursday, 0800-1130, Training Center. By: Pam Rivera.

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

Note: Class is limited to 30 people.

Deadline: 9 April.

**DATE CHANGE ONLY FOR MISSILE GUIDANCE & CONTROL**

New Dates: 22, 23, 28, 29, and 30 May

Place: Training Center

By: Dr. Barry Mons, Evolving Technology Institute

Deadline: 1 April.

Students who have already submitted training requests do not have to resubmit.

**SPECIAL SESSION FOR SECNAVINST 5216.5C**

3 April, Thursday, 0900-1100, Training Center. By: Odessa Newman, Code 0821.

Scope: This is a 2-hour session to answer special questions about the use of SECNAVINST 5216.5C, Department of the Navy Correspondence Manual. It will be open to technical writers, secretaries, and other clerical personnel and will be conducted on a drop-in basis with no paperwork required.

**ENGLISH AS A SECOND LANGUAGE, PART I**

7 April-30 June, Mondays only, 1530-1830, Training Center. By: Joan Telles, Instructor.

Prerequisite: A college degree or consent of the instructor.

Scope: Designed to help second-language learners become familiar with the phonetic system, basic stress and intonation patterns, and word-order structures in the English language. Emphasis will be on improving oral communication skills through audiolingual drills and situational dialogues.

Note: Non-NWC employees will be allowed in this class on a space-available basis.

Deadline: 3 April.

**ENGLISH AS A SECOND LANGUAGE, PART II**

10 April-26 June, Thursdays only, 1530-1830, Training Center. By: Joan Telles, Instructor.

Prerequisite: English As a Second Language I or consent of instructor.

Scope: This course will help second-language learners perfect oral and written communication skills and develop "cultural competence" by focusing on cultural and structural problem areas and vocabulary development. Topics include the correct usage of articles, idioms, prepositions, and verbal constructions.

Note: Non-NWC employees will be allowed in this class on a space-available basis.

Deadline: 10 April.

**PROGRAMMING IN BASIC**

21 April-12 May, Monday, Wednesday, and Friday, 0800-1130, Training Center. By: Daryl Vaughn.

Prerequisite: Computer Fundamentals or equivalent experience.

Scope: Covers program analysis and design, flow charts, program style and standards, and structured programming.

Deadline: 7 April.

**TRAINER TECHNIQUES**

28-30 April, Monday-Wednesday, 0800-1600. By: Dr. Mary Ann Gallagher and Dr. Miriam Cartwright.

Scope: For teachers, trainers, or facilitators who want to become more effective in leading classes, workshops, or conferences. The emphasis is on skills that encourage the full involvement of students in learning situations. Topics include presentation, coordination, facilitation skills, setting and maintaining a good learning climate, the importance of visual aids, and the use of activities such as warm-ups. On the second day, each student will develop and conduct a 20-minute lesson.

Deadline: 14 April.

**DEALING WITH DIFFICULT PEOPLE**

30 April and 1 May, Wednesday and Thursday, 0800-1600, Training Center. By: Lynn Lacey.

Scope: All people occasionally interact with "difficult people," those who behave in a hostile, aggressive, demanding, threatening, all-knowing, or complaining manner. This workshop will help you develop skills to deal positively with negative behavior. Topics include reducing emotional upset when dealing with difficult behavior and improving communication skills. The workshop emphasizes people's

- Responsibility for creating their own emotions, both the pleasing and upsetting ones.
- Ability to change prior patterns of upset.
- Contribution to difficult interactions by the communication skills they choose.
- Power to choose more or less effective communication skills.

Deadline: 16 April.

**SOFTWARE CONFIGURATION MANAGEMENT**

1 and 2 May, Thursday and Friday, 0800-1600, Cerro Coso City Center, Room 101. By: Sandy Pryor, Code 36501.

Scope: Intended to acquaint you with the background and methods required to accomplish configuration management of software. The emphasis is on tactical embedded digital computer programs; however, the concepts apply to ADP applications as well. Topics include configuration identification, change control, status accounting, software development life cycle, DOD/Navy standards, software documentation, baselines, software libraries, software quality assurance, and reviews and audits.

Deadline: 17 April.

**PROGRAM MANAGEMENT PART II (SENIOR SEMINAR)**

8 and 9 May, Thursday and Friday, 0900-1600, Training Center. By: Charlie May, Code 01A5.

Scope: This is a summary course intended to tie the Technical Management Curriculum together and to gauge each student's understanding of the material. Guest lectures and NWC case studies will be used to summarize key points of the program.

Note: Because this course integrates the program's subject material, it must be taken near the end of the certificate program.

Deadline: 24 April.

**THE FUNDAMENTALS OF EEO FOR SUPERVISORS AND MANAGERS**

25 April, Friday, 0800-1600, Training Center. By: Joe McClure Institute.

Intended Audience: Supervisory and managerial personnel.

Scope: Designed to provide you with a working knowledge of your responsibilities in support of the EEO program. When you finish this course you will be able to

- Participate more effectively in informal resolution of allegations of discrimination.
- Develop more appropriate EEO performance standards for yourself and your subordinate officials.
- Consider the "diversity" factor in a proper manner when making selection decisions.
- Explain the basic position of the federal government regarding EEO by citing the authorizing legal mandates and by being able to refer to the *Federal Personnel Manual (FPM)* and applicable documents of NWC.
- Outline the role and responsibilities of a manager with respect to all the major action areas as defined by the Office of Personnel Management in *FPM* Chapter 720, and as set forth in the agency affirmative action plan.
- Identify and analyze problem areas and consult with the EEO Office and the Personnel Officer on solutions that are practical and yet reflect the sense of urgency in a positive program.
- Develop and utilize the skills of minority groups and women employees to the maximum extent possible.
- Communicate the agency policy and program in such a manner as to foster full understanding, acceptance, and support among employees.

Deadline: 14 April.

**VAX/VMS SYSTEM MANAGEMENT**

5-9 May, Monday-Friday, 0800-1600, Training Center. By: Staff of Digital Equipment Corp.

Prerequisite: You should have completed VAX/VMS Utilities and Commands, VAX-11 Concepts, and Introduction to Interactive Systems, or have equivalent knowledge and experience.

Intended audience: VAX installation system managers.

Scope: Teaches the routine operating procedures that system managers perform on behalf of their users. Some techniques for monitoring and tailoring system performance are discussed. Topics include system generation and startup procedures, user authorization, accounting procedures, backup procedures, error handling, and recommendations for system operation management. When you complete this course you should be able to install and update a VAX VMS system and layered products, identify and modify some system tuning parameters, set up authorization and accounting files and procedures, perform backup and other security and maintenance functions, generate device error reports, and perform operator functions.

Deadline: 11 April.

## Math instructor sought

Cerro Coso is looking for an instructor to teach Math 20 — Basic Functions and Calculus For Business.

This required class for the Center's External Degree Program is Business Ad-

ministration will begin the latter part of June and continue for 8 weeks.

Qualifications are at least a bachelor's degree. Interested personnel should contact Dean Paul Riley at 375-5001.

## Recent Separations

Code	Name	Title
0825	Curley, Timothy J.	Management Analyst
08C	Smith, Virginia R.	Program Analyst
2405	Hise, Elizabeth J.	Safety Spec.
253	Trearse, Tami P.	Shipment Asst.
26932	Dame, Brian R.	Engrg. Draftsman
3142	Francis, Ray N.	Electronics Tech.
3272	Hovet, Kevin W.	Chemical Engr.
3414	Williams, Carol L.	Clerk-Typist
36221	Ramos, Edgardo	Industrial Engr.
3664	Smith, Richard L.	Operations Research An.
3918	Wilson, Ronald L.	Physicist
3923	Griecher, Frank A.	Electronics Engr.
61071	Thackery, Robert A.	Airspace Mgt. Spec.