

DCC to offer 2 workshops

Desert Counseling Clinic will offer two workshops next week at the DCC Community Room, 814 Norma Street in Ridgecrest. A donation of \$3 is asked of those attending either workshop.

On Monday, Joanne Rice, a drug and alcohol counselor who works with the Employee Assistance Program at NWC, will conduct a workshop entitled "Alcoholism and Drug Dependency: The Family Trap," from 7 to 9 p.m.

Mrs. Rice will suggest some tools of intervention, treatment and recovery for the alcoholic, drug addict and the family. All those concerned about themselves, co-workers or neighbors are invited to attend. No pre-registration is needed, and further information can be obtained by telephoning Bonnie Palmer at 375-9781.

On Wednesday, all interested adults are invited to attend a workshop from 7 to 9 p.m. entitled "Men's Roles, Men's Lives," that will be conducted by John Graham, Ph.D. and Jack Bradshaw-Stacy, L.C.S.W.

This workshop will explore roles that affect men's lives and impact them emotionally, psychologically and physically. Pre-registration is preferred; those who wish to register should telephone 375-9781 for a brochure and registration form.

Surplus govt. property auction set

Surplus government property will be sold at a public auction set for the Naval Weapons Center on Wednesday, May 21, starting at 10 a.m. according to the China Lake Defense Reutilization and Marketing Office.

Among the 210 items offered for sale will be pickup trucks, trailers, diesel generator sets, voltmeters, 30-gallon snap-ring drums, chain hoists, oscilloscopes, projectors, cameras, typewriters, chalkboards, shelving map files, storage cabinets, office



TICKETS ON SALE — Catherine Rogers from the Center's EEO office sells tickets for the reception that will inaugurate American Heritage Week to Capt. K. A. Dickerson, Center Commander, and Curt Bryan, 19, at the lanai of the Commissioned Officers' Mess, starting at 5:30 p.m. The program includes entertainment and presentation of the EEO awards. — Photo by PHAN bob Reynolds

Heritage Week reception set

American Heritage Week at the Naval Weapons Center will begin with a reception at the lanai of the Commissioned Officers' Mess on Monday, May 19, starting with a social hour at 5:30 p.m. Everyone is invited to attend.

The formal program begins at 6 o'clock, and will include presentations by the Shoshone Tribe, a local folk dance group, and a gospel choir. The evening will conclude with presentations of Equal Employment Opportunity Awards.

Tickets for the reception are \$5 a person to cover cost of hors d'oeuvres. They may be purchased starting Monday from Mary Lane, Personnel Building, Code 093, NWC ext. 2738; the Program Coordinator's Office, Michelson Laboratory Lobby, Code 0031, NWC ext. 1365; Sharon Allen, CLPL, Code 32, NWC ext. 7200; and SH1 Madison Bryson, Hangar 3, Code 2105, NWC ext. 5522.

All tickets must be purchased by close of business May 14.

Health tip

Smokers lose 21 percent more days from work than non-smokers and spend 15 percent more days disabled. Smokers have twice the accident rate of non-smokers due to carelessness caused by attention loss, eye irritation, coughing and hand interference.



Georgia M. Cabe, Code 3412, hired at NOTS/NWC November, 1945; estimated date of retirement May 2, 1986.

Helen R. Deis, Code 3412, hired at NOTS/NWC Nov. 12, 1969; estimated date of retirement May 2, 1986.

Movies

FRIDAY, SATURDAY, MONDAY	MAY 2,3,5
"ROCKY IV"	
Starring Sylvester Stallone and Dolph Lundgren (Action/Drama, rated PG, 91 min.)	
SUNDAY	MAY 4
"ONCE BITTEN"	
Starring Lauren Hutton and Jim Carrey (Horror/Comedy, rated PG, 93 min.)	
TUESDAY	MAY 6
DESERT COMMUNITY ORCHESTRA ASSOCIATION	
WEDNESDAY	MAY 7
"KRUSH GROOVE"	
Starring Shiela E. and Run D.M.C. (Rap/Musical, rated R, 94 min.)	
FRIDAY	MAY 9
"A CHORUS LINE"	
Starring Michael Douglas and Janet Jones (Musical/Drama, rated PG-13, 118 min.)	
Starting Times: Matinee / 2 pm Evening / 7 pm	
(G) ALL AGES ADMITTED General Audiences (PG) ALL AGES ADMITTED Parental Guidance Suggested (R) RESTRICTED Under 17 Requires Accompanying Parent or Adult Guardian	

★ U.S. Government Printing Office: 1986 — No. 40003

FROM:

PLACE
STAMP
HERE

TO:

Highest civilian honor presented Burrell Hays

Burrell W. Hays, NWC Technical Director, was presented the Navy Distinguished Civilian Service Award in a ceremony held at the Center Theater on Monday afternoon.

The award, the highest that the Secretary of the Navy may confer on an employee of the Navy, was presented by Capt. K.A. Dickerson on behalf of Secretary John Lehman.

Secretary Lehman's letter granting the award says it is in recognition of his distinguished service to the Department of the Navy.

It continues, "His vision and leadership in introducing innovative, effective and cost efficient weapon systems like the Skipper II has been most valuable to the Navy. Mr. Hays' dedication to duty, technical expertise and superior management skills reflect great credit upon himself and are in keeping with the highest traditions of the Department of the Navy."

Endorsing the award, Vice Admiral Glenwood Clark, Commander, Space and Naval Warfare Systems Command, adds that "I am particularly pleased to have this opportunity to publicly recognize Mr. Hays' many achievements which have had a major influence on the fighting capability of the Navy and its sister services."

Capt. Dickerson added, as he made the presentation, "When I came here, Jude Lahr (the former Commander, NWC) told

me that I was coming to one of the most exciting places in the world, one like no other. Here I've been able to work with some of the top civilians in the world. Whenever I — and the Navy — needed something, all I needed to do was ask Burrell and it got done. He has taught me a great deal."

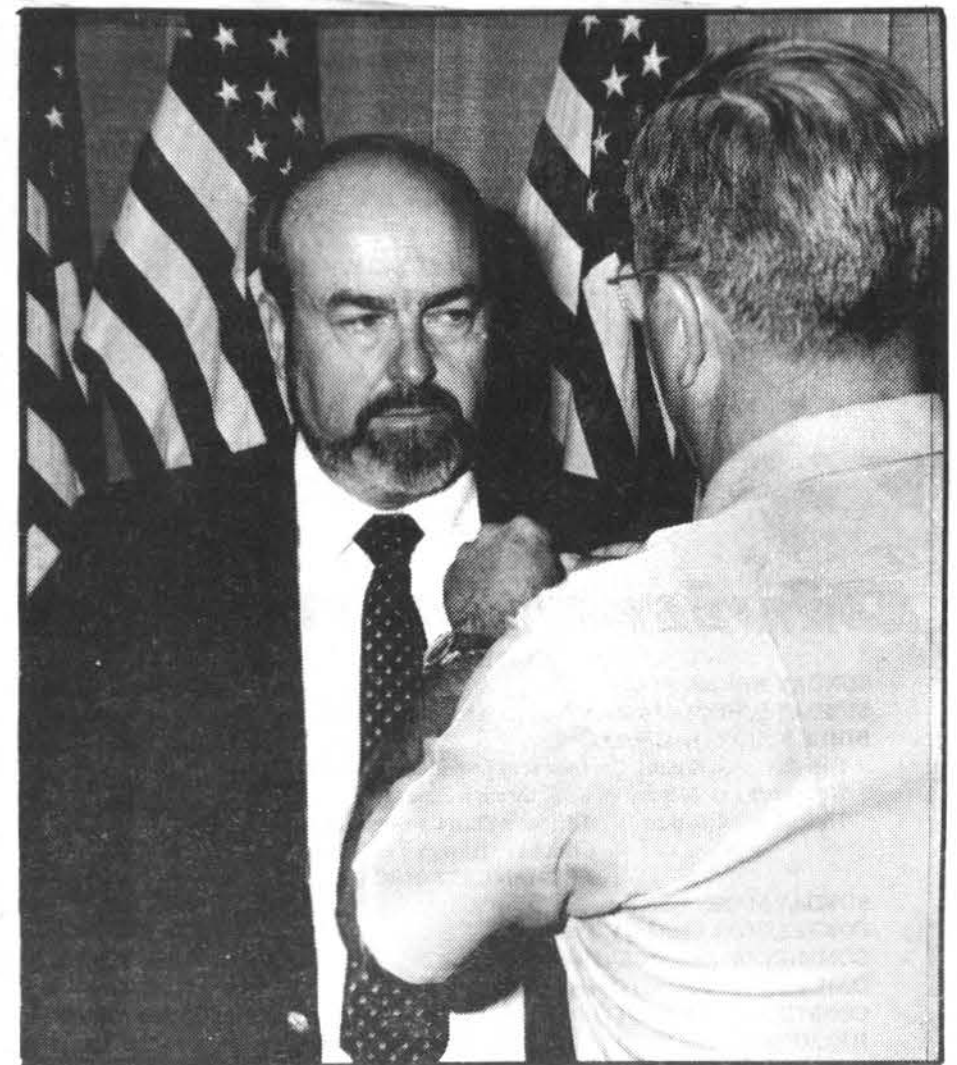
Hays, in response, said "This is really an honor and a surprise. I know why it was presented — because NWC has the finest people and the best team."

Speaking to all the Center employees who had gathered for the ceremony, Hays continued, "You people are strong. Continue to make the same contributions to the country that you have been making."

He concluded, "No matter what happens, I'll never find any more love, friendship and the ability to produce than you people have."

The Department of Navy Distinguished Civilian Service Award consists of a medal, rosette, lapel bar and a certificate containing a citation signed by the Secretary of the Navy.

The award is given on a highly selective basis to civilian employees of the Navy who have distinguished themselves by extraordinary service or contributions of major significance to the Navy. The achievement or service must be truly exceptional even among outstanding accomplishments and when measured against the job responsibility for the individual being recommended for the award.



SOLEMN MOMENT — Capt. K. A. Dickerson, representing Secretary of the Navy John Lehman, pins the Navy Distinguished Civilian Service Medal on Burrell Hays' lapel. — Phot by PH2 Rick Moore



Naval Weapons Center, China Lake, California 93555-6001

Vol. XLI, No. 18 / May 2, 1986

Technical Officer award goes to LCdr. Enewold



PROUD WINNER — LCdr. Steve Enewold and Gerry Schiefer, Laboratory Director, hold the "Aussie cup" ice bucket that is a perpetual trophy associated with the Technical Officer's Award, which LCdr. Enewold has just been presented by Schiefer.

Lieutenant Commander Steven L. Enewold was the happy recipient of the second Technical Officers Award last Friday morning. The award was inaugurated last year to honor the significant and important work done by officers assigned to the Laboratory Directorate.

Laboratory Director Gerry Schiefer told the officers and senior personnel assembled for the presentation that most military officers are not assigned to NWC long enough so that they could become eligible for awards such as the L.T.E. Thompson Award. The decision was therefore made to establish an award to recognize the military officers who make a significant contribution to the technical work of the Laboratory Directorate. First winner of this award was Col. John Tyler, who retired as Deputy Laboratory Director and Marine

Corps Liaison Officer last year.

Schiefer noted that "It was fun to see such good work as that recognized by the nomination, but it sure was tough to make the decision about whose work truly contributed the most to the Center's mission."

LCdr. Enewold was recognized for the contributions he made as Deputy for Test and Evaluation for the A-6 Weapons Systems Support Activity, especially with regard to the HARM integration team. The letter accompanying the award pointed out that "Your outstanding abilities to communicate operational requirements to engineers in technical terms were most meaningful in the flight test evaluation of HARM."

The letter also commends LCdr. (Continued on Page 9)

Demo Program discussed by Constance Horner

"An absolutely marvelous day," is how Constance Horner, Director of the U.S. Office of Personnel Management (OPM) rated her visit to NWC Monday.

Mrs. Horner and four members of her staff were on board to discuss the Civil Service Reform Act Demonstration Program at NWC and the Naval Ocean Systems Command. The success of the Demonstration Program has been outstanding enough so that it is being considered for widespread use in federal government.

She added that "You have a spectacular operation. It's very exciting to hear the contributions that your installation has made, and doubly exciting for someone with personnel interest."

"I'm here on a mission of hope for the

federal government. Many people want to work for the government, but they have had to deal with a cumbersome system. The Federal Personnel Manual is five feet two inches long — even just the section dealing with a secretary runs 74 pages single spaced."

She noted that there's hope for a radical government-wide change. "You've done it here," Mrs. Horner continued, "although you're a special place and you can do things that may be harder elsewhere."

Getting the system changed, Mrs. Horner believes, will result in much greater pride on the part of those working for the government because the public will see in-

(Continued on Page 3)

Last concert of season for orchestra

Tuesday evening's concert at the Center theater marks the 26th anniversary celebration of the Desert Community Orchestra. During these 26 years, it has both provided a performing group for qualified and interested musicians to use their skills and an organized group to promote musical education and entertainment.

Desert Community Orchestra Association

NEX News

Starting today, the Kitsinian 14kt gold jewelry sale features 50 percent off the collection of chains, charms and rings in a wide range of styles.

Starting tomorrow, there'll also be a Mother's Day sale so that everyone can get a gift for that extra special lady. The sale will last through next Saturday.

Camera of the month at the NEX is the Yashica, and the appliance of the month is the Conair hair dryer.



	Max	Min	Peak Gust
Fri.	79	57	32 knots
Sat.	79	44	21 knots
Sun.	86	45	21 knots
Mon.	91	49	32 knots
Tues.	88	59	20 knots
Wed.	88	48	17 knots
Thurs.	90	51	23 knots

All measurements are made at Armitage Airfield.

president Beaujorn Shull says that the governing board of trustees provides financing for the orchestra through donations from civic organizations and music lovers, and through receipts from sales of admission tickets and from memberships in DCOA.

Membership provides a season ticket for all concerts. Single admission tickets for

this concert will cost \$4 for general admission and \$2 for senior citizens, students and military enlisted personnel.

The concert will open with Leonard Bernstein's "Overture to Candide," followed by Dmitri Shostakowitch's Ninth Symphony. Wesley Hawks will then perform as clarinet soloist in Mozart's "Concerto for Clarinet and Orchestra."



Inyokern will celebrate its 77th birthday at a picnic in Inyokern Park on Sunday from noon to 6 p.m. Games of all sorts are planned, along with a watermelon eating contest and a dunk tank.

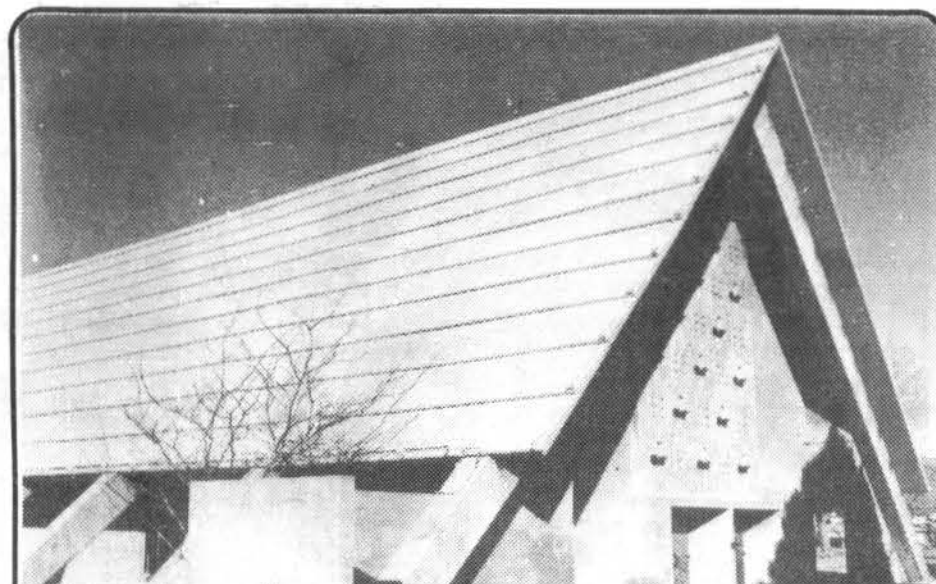
Those attendees are invited to bring a picnic lunch, and some food and drink will be sold by 4-H members and Boy Scouts. Birthday cake and ice cream will be served at around 3 p.m. Both a rock and a country band will play for the enjoyment of all those attending.

Beat the morning traffic, come early and have breakfast at the Enlisted Mess, Tuesday through Friday, from 6:30 to 8:30 a.m.

Enjoy Sunday brunch at the Commissioned Officers' Mess every Sunday from 9:30 a.m. to 1:30 p.m. Prices are \$4.95 per adult and \$2.95 per child for children aged 7-12. Children 6 and under eat free.

Start the weekend with a prime rib dinner at the Chief Petty Officer's Mess. Dinner will be served from 5:30 until 9 p.m.

Authorized members and guests are invited to disco at the Enlisted Mess this Wednesday from 8 to 11:30 p.m.



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	

Kindergarten registration for fall underway May 6

Kindergarten registration for the 1986-87 school year is scheduled May 6 through May 15 in Ridgecrest and May 21 and 22 in Inyokern.

Registration is being done by appointment only. Parents with children five years of age on or before December 1, 1987 should call the Sierra Sands Unified School District, 446-7631, for an appointment. Immunization information will be needed at this time as well as at the actual registration.

Proof of age must be presented at the time of registration. Recognized proof of age can be a birth certificate, baptismal certificate duly attested, passport, or a legally executed affidavit by the parent, guardian, or custodian of the child. Affidavit forms are available at the District Office, 113 Felspar and may be obtained prior to registration.

The district nurse will be available at the time of registration to check your child's vision and hearing.

The State of California requires children entering kindergarten to have a series of immunizations. These include three doses for polio, with an additional dose if last dose was given before the second birthday; four doses for DPT (Diphtheria, Pertussis and Tetanus) with an additional dose if last dose was given before the second birthday; and one dose for MMR (Measles, Rubella and Mumps) with an additional dose if dose was given before the first birthday. A written immunization record must be presented at the time of registration. To be registered for kindergarten, a child must either be up

to date on immunizations or have a written exemption from a physician. Parents are being advised to see their private physicians or call the Kern County Health Department to obtain complete copies prior to kindergarten registration.

The Public Health Department, 250 West Ridgecrest Blvd., 375-5157, has an immunization clinic on the first Monday of each month from 8 to 11:30 a.m. (no appointment needed).

All students must have a physical examination within 18 months prior to entering first grade. Students will be expected to have the physical examination completed before entering first grade. The Public Health Department physician, 375-5157, gives pre-school physicals to financially qualifying children by appointment only.

If a parent or guardian requests exemption from the required immunizations and/or physical examination for reasons of a personal belief, this statement may be signed on a form provided at registration. A statement of medical exemption to the immunizations must be signed by a physician.

Kindergarten students will not be registered at the school sites until after 1 p.m. the first day of school.

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)

Janis Olson happy to be in China Lake area

When Janis Olson was seven years old, she decided that she wanted to become a teacher. When she was ready to start college at the University of California at Riverside, she had decided she wanted to become a mathematician. In the years since then, she became both. She has taught and substituted, and she is currently employed as a mathematician in the Data Analysis Branch of the Aircraft Weapons Integration Department.

There were a few detours along the way, however. After a year and a half at Riverside as a math major, Mrs. Olson decided that she could handle the working of mathematics problems well, but that she felt uncomfortable with the theoretical elements of the subject ("I'd moved around and attended many schools while my father was on active duty with the Navy," she says, "and all I was taught was the arithmetic approach, a rote way of doing problems. I'd never been given any understanding of why they had to be done a certain way. It's only in recent years that I've gained that.").

She then moved to California State College in Los Angeles and graduated from that school with a degree in American studies and a teaching credential.

After several years of living in Los Angeles where her husband, Kenneth, worked for the Los Angeles county flood

control district, the Olsons decided that they would rather move to a less crowded place, selecting Nevada because he had obtained a degree in mining engineering from the University of Nevada.

They moved to Winnemucca — not an ideal spot from their point of view when they were settled because job opportunities for Mrs. Olson were limited. She says that she was able only to substitute teach; otherwise she was employed as a sales clerk in a hardware store and as a book keeper in a casino.

Winnemucca had some other drawbacks as well, she adds. For instance, the Olsons found it was cheaper to drive their diesel-engine car to Reno for grocery shopping and drive back, a round trip of 340 miles, than it was to make a major shopping trip at either of the two small local stores. And Kenneth Olson was driving 75 miles each way each day to work at a mine. He sought other work and was hired by NWC's Public Works Department as a civil engineer.

They moved to Ridgecrest about eight years ago. "It really looked good!" Mrs. Olson enthuses. "We were out of a crowded city and yet we had shopping and other facilities at hand."

At that time she felt she did not have skills marketable at NWC so she went to work at SYSCON as a reports typist. Before long, she began her first computer-related

work as a data entry clerk for System 2000. When SYSCON lost its contract to Ridgecrest Engineering, she moved there as an Acquisitions Data Analyst and eventually began work on SEED (Self Explanatory Extended Database).

At a SEED conference she met several NWC personnel and was encouraged to apply for a job in the branch for which she now works. "I did ask to enter the Junior Professional Program," Mrs. Olson says, "so I could be exposed to a variety of databases so I'd know the options available for jobs at hand."

An inspiration to her, she notes, is Rear Admiral Grace Hopper's statement that the only people she'd not hire are those who feel either "we've always done it this way,"

or "it can't be done."

Now that her JP year is over, she's happily back in her home code again.

Her spare time is spent riding horseback along with her daughter, Ann, a student at Burroughs High School. Her husband doesn't ride, she notes, but takes pictures of the two of them.

Other spare time is spent on piano lessons, serving on the board of directors of the Desert Community Orchestra Association and reading science fiction and fantasy.

And, when Ann has finished college, some years from now, Mrs. Olson plans to take classes that will lead to a master's degree in computer science.



HAPPY WITH JOB — Janis Olson enjoys her work as a mathematician — a field she had planned to enter on starting college and has attained after some professional detours. — Photo by PHAN Bob Reynolds

Soccer...

(Continued from Page 10)

Roughnecks 3, Kicks 3

The Roughnecks remained unbeaten thanks to scoring from Steve Sticht and Scott Becker along with the goal paly of Darren Murphy. Mike Graves, Ben Lee and Amy Hamrick had single goals while Mike Oliver and Mike Addison added strong contribution on offense and in goal.

Tornadoes 3, Sounders 1

Excellent defense allowed the Tornadoes to win with three goals, two from Matt Bullock and one from Jason Rainwater. Paul Solem, Adam Drybread and Rainwater also made strong defensive contributions. The Sounders got their lone goal from Jimmy Ball assisted by Tofi Tuipala.

Surf 3, Diplomats 0

The shorthanded Diplomats only lasted three quarters before falling to the Surfs. Matthew Frazier, Jeff Bradley, Doug Banks, Thomas Watt and Stephen Lewis gave good performances while Scott Hanson (2) and David Gartner did all the scoring in the win.

Adventure Time Camp information

The Youth Activities Branch of the Navy Weapons Center, Recreational Services Department, announces its all new Adventure Time Camp at Camp Ta Ta Pochon, located in the Big Bear area.

Military and DOD dependents will enjoy an action-packed week of swimming, boating, riflery, archery, crafts and more beginning June 29 and continuing through July 4. The program provides one trained counselor for every 10 campers to provide a safe and memorable camp experience.

The enrollment fee is \$150 per child and covers camp stay, transportation, photos, camp T-shirt and arts and crafts. A deposit of \$30 per child must be made at the time of registration. The \$120 balance must be paid by June 20 in order to hold a place for the child. The deposit will be refunded if a request is made prior to June 20.

Registration will be taken at the Information, Ticket and Tour Office, Monday through Friday from 9 a.m. to 5 p.m.

For more information, contact the ITT office at NWC ext. 2010.

JPL official talks Monday

Bruce McLaughlin, an astronomer at the Jet Propulsion Laboratory, will speak about the exploration of the planet Jupiter at the May meeting of the China Lake Astronomical Society. The meeting will be Monday at 7:30 p.m. at the Ridgecrest Library, 131 E. Las Flores, and everyone is welcome to attend.

McLaughlin is a graduate of Burroughs High School and holds a degree in astronomy from the California Institute of Technology. He has been involved with development of Viking, Voyager and Galileo space probes.

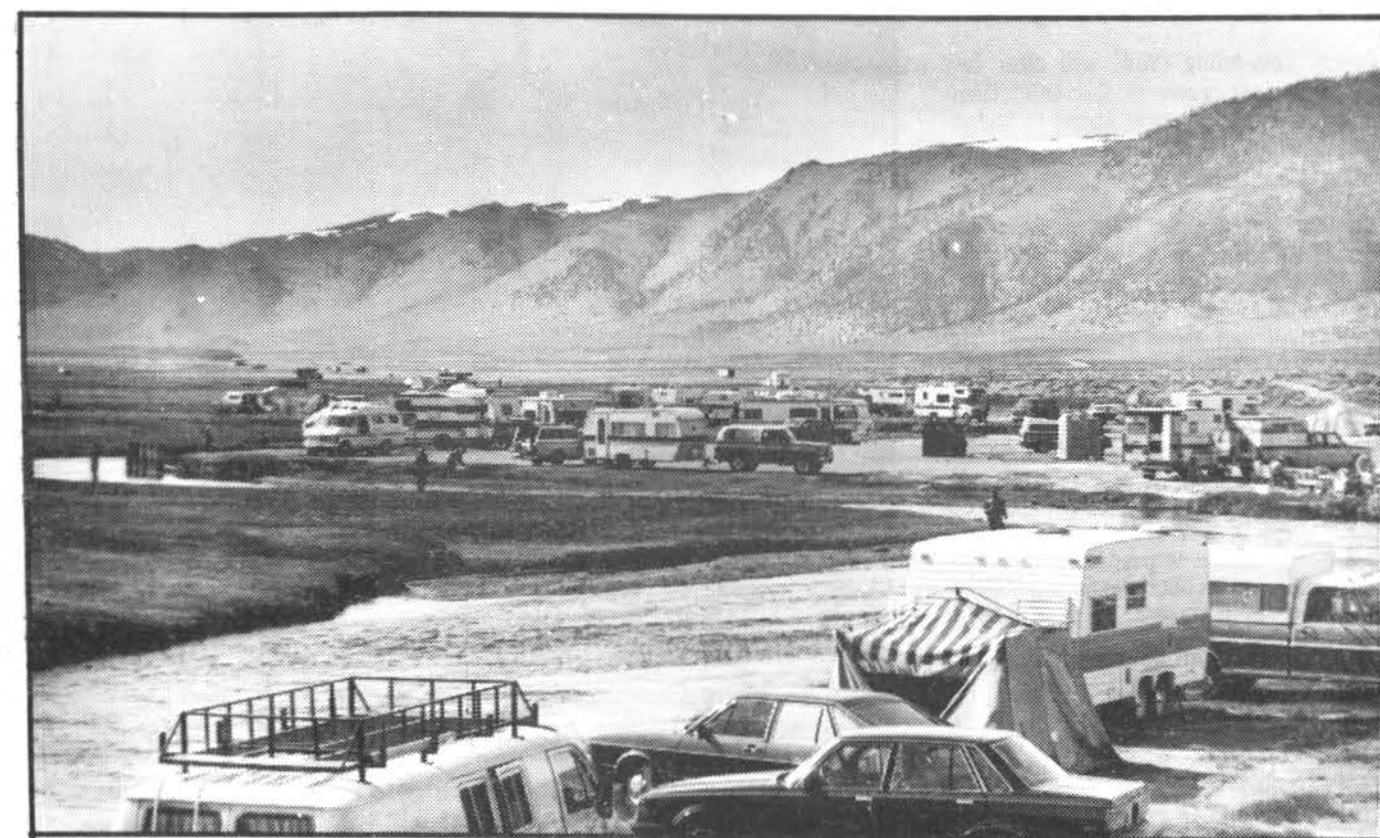
Child Care Connection offers training program

Community Connection for Child Care (CCCC) is offering a training workshop for those interested in becoming licensed family day care providers. The workshop will be six different sessions and will be held from 6:30 to 9 p.m. on Monday and Wednesday evenings from May 5 through May 21.

Included in the sessions will be information about small business management and creating a safe, nurturing environment for young children in the home.

One unit of credit is being offered by

Anglers strike it rich in opener



BUSY RIVER — Campers, motor homes and anglers jammed the Benton Crossing area of the Owens River Saturday morning to help open the 1986 general trout

season. The river was higher and faster than normal, but fishing was rated good by most anglers who battled crowds to wet their lines.

Anglers who battled crowds on the opening weekend of the general trout season were generally well rewarded with fish. The Bishop and Mammoth Lakes area chambers of commerce reported near record crowds overall, even though Crowley Lake was well below the 18,500 anglers who used it last opening day.

At Rock Creek Lake, anglers who cut through two feet of ice did well; one took home a five-pound rainbow. About half the anglers limited out on the weekend.

Fishing in Rock Creek was similar, with best results coming to anglers using red eggs or worms. Rainbow trout averaged more than a pound each.

To the south, more than 300 anglers chopped holes in thick ice cover over Lake Sabrina. A Southern California man took a five and a half pounder on a gold Kastmaster. Another one took a four and a half pound from the ice-free western inlet on a silver Kastmaster.

An estimated 16,000 Crowley Lake anglers used boats or fished from the shore and many of them limited out on fish averaging more than a pound each. California Fish and Game personnel said fishing was a little slower than in the past, with the first boat load of limited-out anglers not reaching shore until after 7 a.m.

At McGee Creek, anglers averaged three or four fish each, and the trout averaged more than a pound each.

Anglers in southern Inyo County did well in Georges Creek, Lake Diaz and Lone Pine Creek. Red eggs, cheese and worms worked best in southern creek. The Whitney Portal Pond is now accessible.

Story and Photos
by Steve Boster

ICE FISHING — With trout up to five pounds being taken from Lake Sabrina, it was no wonder an estimated 300 anglers showed up to cut through thick ice when trout season opened Saturday morning. From Lone Pine to the Nevada border along Highway 395 an estimated 30,000 anglers were active for the opening of the 1986 general trout season.

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

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

The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P-35 revised May 1979.

Office at Nimitz and Lauritsen: Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in the Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003.

Captain K. A. Dickerson
NWC Commander

B. W. Hays
Technical Director

Denny Kline
Public Affairs Officer

Mickey Strang
Editor

Steve Boster
Associate Editor

PH3 Rick Moore
PHAN Bob Reynolds
Staff Photographers

Heavy action continues in NWC's Youth Soccer

All teams were in action Saturday as NWC Youth Soccer League play continued this spring.

Division One

Cobras 6, Apollos 0

Behind a four-goal attack from Dave Verbeck, the Cobras easily turned back the Apollos challenges. Nick Charlton and Jonathan Mickelsen added solo goals in the easy Cobra victory.

Owls 1, Roadrunners 1

James Haynes in goal and Corie Walker on defense keyed the strong showing by the Owls. Jason Bowling made their only goal in the tie game. Glenn Baker notched the lone goal for the Roadrunners while Toshi Coenen, Salvador Rameriz, James Swader and Jeremy Ellingson were defensive stars.

Express 6, Rowdies 1

A hard fought game found Neil Covington scoring the only goal for the Rowdies who fell despite strong defense from Mark Garland and Kyle Gentry in goal. Vasken Haroutunian was a one-man army for the Express, scoring all six goals. Joe Triplett and Michael Grise also turned in strong

performances.

Coyotes 3, Fury 0

Matthew Girardot did the scoring for the Coyotes, while Mark Steinmetz played a near-perfect game in goal and David Berry's offensive performance set up scoring chances. The Fury came close, but failed to crack the scoring line. Jason Lint, Jimmy Orozco, Jeff Janson and Daniel Kelling turned in strong games.

Chiefs 2, Eagles 0

Their coach said it was a total team effort as the Chiefs blanked the Eagles. Kevin Nowicki and Michael Hobson had one goal each and then used defense to win. Lacy Cordell and Jonathon Ford were standouts for the Eagles.

Division Two

Strikers 5, Drillers 4

Damon Kelling ripped the Drillers for



five goals while Joe Mechtenberg helped with three assists. Tom Ernst led the defenders. Sam Stevens, Kenny Carr, Doug Wilson and Garrett Katzenstein.

Blizzard 1, Sting 0

The Sting was blanked, despite strong play by Joe Hibbs and Nathan Arnold. John Trahey notched the only goal of the game and Joe Line teamed up with Eric Armstrong to pay defense in the shutout victory.

Earthquakes 1, Lancers 0

Defense was the name of the game on both sides as the Earthquakes took the win. Kevin Campbell notched the lone goal, all the Earthquakes needed for the win. Jason Duff had a good game in goal while Greg Greedy was an offensive leader and Andrew George keyed the defensive effort from his halfback slot.

Timbers 6, Cosmos 1

Despite eight outstanding saves by Cosmos goalie Chris Thornberry, the Timbers were easy winners. The Cosmos got their only goal from Andrew Grabowski with an assist from Ryan Webb. The Timbers failed to turn in a score sheet.

Sockers 0, Aztecs 0

Brett Becker, Jimmie Cribb, Chad Killinger and Haydn Wilson keyed the play of the Sockers. Wilson in goal had an outstanding game. Augustin Hernandez, John Rogge and Colby Begin were key players for the Aztecs in this scoreless shootout. The Aztecs were three players short, but still preserved the tie thanks to a lot of hustle.

Division Three

Whitecaps 5, Rogues 0

Two goals each from Randy Marsh and Derek Lindsey boosted the Whitecaps to their easy win against the Rogues. Richard Flores had the other goal for the winners. John Haynes and Brendan Ledden were leading players for the Rogues in the shutout loss.

(Continued on Page 11)

Sports

Under-16 Scorpions capture the sixth consecutive game

Maintaining their unbeaten record in spring play, the Scorpions Under-16 Soccer Club ripped Riverside 5-1. This was a significant victory, according to coach John Piri. He noted it came on the Devils' home field and was against a team that finished eighth in State Cup Finals last year.

Riverside's Devils had been the top rated Under-16 team in the region going into the contest.

The Scorpions played hard, noted their coach, from the opening whistle. He said it was a game of excellent teamwork, short, crisp passes and accurately placed crosses set up shots on goal.

Taking a 2-0 lead in the first half, the Scorpions got goals from Armando Valdivia and Danny Hobson. The Devils only goal of

the contest came in the third quarter to make it a 2-1 game.

Matt Ziegler responded with a goal for a 3-1 lead on a penalty kick.

Fourth quarter action found the visiting Scorpions with just 10 players on the field because of a penalty. Despite the short-handedness, the Scorpions notched a final pair of goals for the 5-1 when Valdivia and Tom Caves each scored to lock up the victory.

A hustling, aggressive defense that allowed very few shots on goal by the home team was a key factor in the upset win.

The 6-0-0 Scorpions return to action tomorrow (Saturday) with a home game at 1:30 p.m. against the Moreno Valley Strikers at China Lake's Davidove Field.

Rec Services prepares triathlon practice times

Action begins tomorrow (Saturday) in the Youth Mini-Triathlon practice sponsored by the NWC Recreational Services Department.

This event features competition in running, bike race and swimming for youngsters six to 17 years of age. Entrants in the actual mini-triathlon will run a mile, ride a bike four miles and swim 125 yards with three-person teams competing for the honors in each of five age groups.

Tomorrow morning Recreational Services Department personnel and volunteers assisting with the competition will have all three events going at once to allow practice by anyone interested in one or more of the events.

On Saturday, May 10 when action begins in earnest, late registration will be accepted at 7:30 p.m. and actual racing

begins at 8 a.m.

Teams can be all boys, all girls, or mixed. Competitors will vie in five age groups: 6-8, 9-10, 11-12, 13-14 and 15-17 years of age.

First place finishers in each age group will receive medals while second and third places get patches. Ribbons will be presented to fourth through 10th place finishers and all who enter will receive certificates listing times.

Volunteers are still needed to help supervise the competition. Anyone interested in helping can call Kelly McCammon, Youth Activities Director at NWC ext. 2571.

Flyfishers offer class on fly tying

Anglers interested in learning the basics of fly fishing can attend a beginning fly fishing class offered by the Aguabonita Flyfishers on Wednesday, May 7 at 7 p.m. in the Grace Lutheran Church.

This class will cover all aspects of fly fishing — equipment, reading the water, casting, knots, flies and more. The first session is an introductory meeting. Later meetings will include some time on the water, weather permitting.

For additional information call Chuck Newmyer at 375-5810.



The Skipper Sez...

QUESTION

Civilian employee — I would like to know why we cannot have hot water in Lauritsen Lab. It is not very sanitary and other places have hot water on the rest of the base.

ANSWER

Back in 1979, during a review of steps that could be taken at the Naval Weapons Center to reduce energy consumption, Command determined that the hot water should be shut off to lavatories in office areas and other locations where the work environment would not require hot water to remove foreign materials from the hands and arms. It was the opinion of Center command that ambient temperature water would not create a health hazard to personnel in these locations.

Originally, hot water heaters in all administrative areas were shut down under command directive. Thus a large number of buildings had the hot water shut off (about 65-80 buildings). Since that time, some of the buildings have had the hot water turned back on, without authorization. It is estimated that at least 30 to 40 buildings still have the hot water shut off. A field investigation would have to be performed in order to identify exactly which buildings still are shut down.

The estimated annual savings are 2,800 MBTUs which equates to about \$15,000 annual savings.

This is a small amount of the overall energy bill for the Center; however, the project was a very quick pay-back low-cost energy conservation measure. The attitude reflected by this measure is probably more significant than the actual savings. It is this type of project along with similar efforts that cumulatively have resulted in the Center having reduced its energy consumption by nearly 20 percent over the past 10 years. The resulting avoided-cost savings have totaled over \$17.5 million.

The Center is currently mandated to reduce energy consumption by another 12 percent by the end of FY-95. This will require additional efforts like shut down of water heaters in order to meet the goal.

It is apparent that warm water is necessary in industrial and related areas to help dissolve grease and other oils. NAVMED P-5010-2 provides guidelines for having hot and cold running water in living spaces and related service facilities. However, there do not appear to be any directives requiring hot water in administrative area lavatories. Although it is traditional to have warm water for washing, it may not be necessary for sanitation as long as soaps or other hand cleaners are used.

QUESTION

Civilian employee — Hi, I just work out here at Hangar II and I was curious — every time you go to the Coke machine, or Pepsi machine, it seems to be empty. Since it is run by Pepsi as I understand, maybe if they can't keep it stocked, maybe the Coke Company should be given a chance. Thank you.

ANSWER

Pepsi Cola is under contract to the Navy Exchange to provide canned drink vending machines aboard the Naval Weapons Center. Each machine is scheduled to be serviced at least once a week, some more frequently based upon the volume of business at each location. Any problems relating to the machines should be directed to the Navy Exchange Vending Department. A label is affixed to each machine providing the machine number as well as the telephone number for the Navy Exchange Vending Department.

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

Elm tree beetle spraying starts

Spraying for the elm tree beetle will begin Monday, May 5. Those whose trees are scheduled to be sprayed will receive notices in advance of the spraying so they can be sure that children and animals are inside during spraying. Tenants are advised that there should be no clothing on clothes lines or yard furniture out where they could receive any of the spray.

This will be the third consecutive year of spraying and the results have been very satisfactory in the control of the elm tree beetle and the saving of many elm trees.

Any further questions may be directed to the Housing Office at 3411, ext. 328, 335 or 418.

Stop for walkers

Traffic congestion during peak hours on Center has been a factor in several "near miss" confrontations between pedestrians and motorists. Drivers should be aware of pedestrians entering crosswalks and be ready to stop.

Community passes issued starting Monday, May 12

On Monday, May 12, the Safety and Security Department will begin issuing a Community Pass at the Center main gate from 9 a.m. to 6 p.m. The Community Pass will not allow access to the "controlled access" areas of the Center, but, upon display, it will allow access to the community area. Recipients of the Community Pass will not be required to register for the Daily Visitor's Pass.

All individuals must be 16 years of age or older to qualify for the Community Pass. Dependents of Center employees are eligible to receive a Community Pass subsequent to completion of a Request for Community Pass signed by the sponsoring employee.

In addition, the pass will be issued to civilian members of the Center's various clubs (COMO, CPO, EM), organizations or institutions located on the Center. Current membership in these groups must be validated. For those organizations which do not issue membership cards or have not provided membership lists to Code 2431, a Request for Community Pass must be completed and signed by an individual authorized to validate group membership.

Application forms will be available at the main gate issuing office. For those individuals who require Center access, but do not have one of the several affiliations listed above, the Daily Visitor's Pass will continue to be required.

CPM Director visits...

(Continued from Page 1)

creased productivity on the part of the federal work force.

Her own particular interests now include getting better federal training and strengthening managers in the federal system.

Mrs. Horner spent her day talking with Center management about the Demonstration Program and then proceeded to work sites in the micro-electronics area of the Solid State Building and to the Engineering Building to talk with employees covered by the Demonstration Program. After a working lunch during which she was given an overview of the Center she met with members of the Demonstration Project Steering Committee.

Her final meeting of the day was with members of the Personnel Department, where she presented her general impressions of NWC and of the Demonstration Program.

In answer to questions from the audience, she noted that the Administration has not taken a position on the Roth-Stevens Bill, which deals with the possibility of reducing the federal work force through expanding early retirement.

The bill is being considered as an alternative to a Reduction-In-Force procedure as a more humane way of reducing the federal workforce in the event of the Gramm-Rudman mandated cuts, she said. The problem with the Roth-Stevens Bill is that an experience pool would be lost and, since in many instances, agencies would need to hire new employees so that their mission would not be disrupted, there might be no real saving in personnel costs.

The President's budget, she added, calls

for only a cut of 20,000 full time employees, but Gramm-Rudman would require larger cuts.

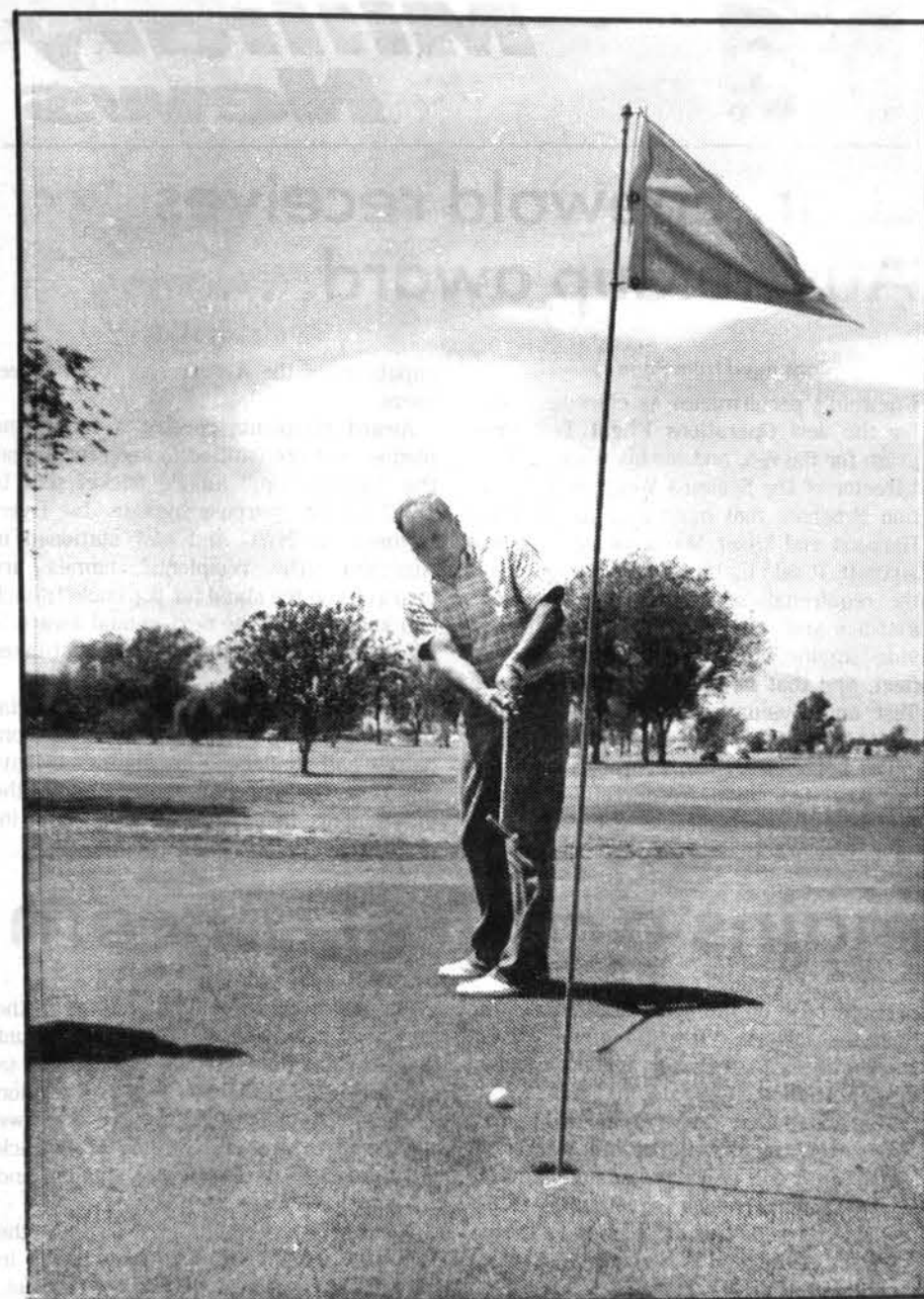
The OPM itself will continue reducing staffing in some area offices, Mrs. Horner said in answer to another question. The agency has lost \$4.3 million in its funding because of Gramm-Rudman and will probably continue to see cuts.

Mrs. Horner is President Reagan's chief advisor on Federal civil service personnel matters; she has been in her current job since August 1985. Prior service includes Associate Director for Economics and Government in the Office of Management and Budget. She also served as Director of VISTA — the Federal domestic anti-poverty volunteer program, and Acting Associate Director of ACTION, VISTA's parent agency.

She is a graduate of the University of Pennsylvania and holds a master's degree in English from the University of Chicago. She is married to Charles Horner, Associate Director for Programs, United States Information Agency. They have two children.

Wear seat belts

A new draft of the joint military traffic safety regulations provides for two "points" on the driving record of anyone who violates safety restraint rules. Individual installation commanders can choose to assess more (or fewer) than two points for the violation. With too many points, an individual loses the privilege of driving on base.



NICE PUTT — Capt. K.A. Dickerson, NWC Commander, watches his putt roll toward the cup. The Skipper and Capt. P.D. Stephenson, Chief Staff Officer, helped open the new green at the 10th hole of the China Lake Golf Course recently. Oh yes, the Skipper's putt was dead center in the cup.

— Photo by PHAN Bob Reynolds

Strong defense keys tie for Under-14Scorps

Led by a strong defensive performance, the youthful Under-14 Scorpions Soccer Club held Grand Terrace to a 0-0 tie last time out.

Goalie Richard Byers, Matt Verbeck as sweeper and Brent Seybold, David Caraker and Jeff Jones as defenders keyed the team effort.

The efforts of Danny Moldenhauer and Mike Bowen made for a better offensive showing than before, but they still came up

short of the goal. Their coaches feel the team will improve as players gain experience in moving the ball forward.

Forfeit makes it simple

Thanks to a 1-0 forfeit win, the Under-19 Scorpions Soccer Club boosted its official league record to 2-1-1. The Rialto Blast team was unable to field enough players to take part in Saturday's scheduled contest.

Under-14 Scorpions will return to action tomorrow (Saturday) at 1:30 against San Bernardino at Knox Field.

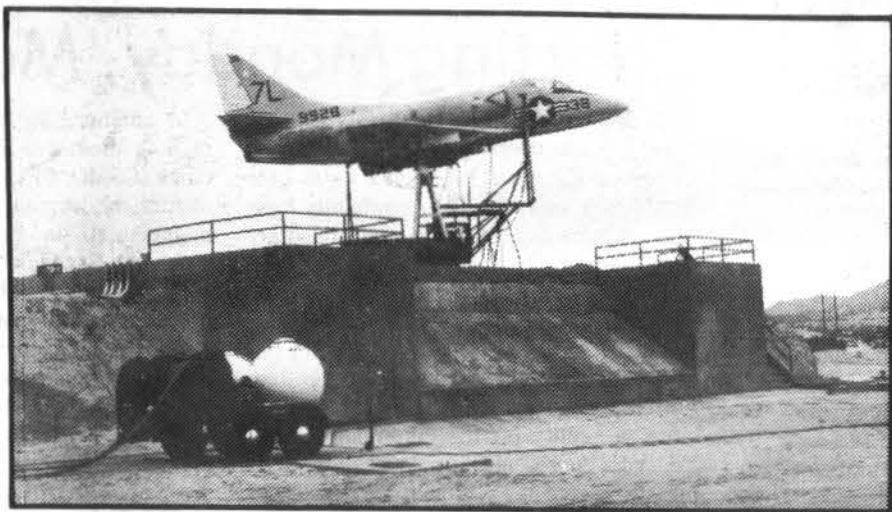
The Under-19 team will host the powerful San Bernardino Cosmos in a 3:30 p.m. game at China Lake's Davidove Field tomorrow (Saturday). Coach Karl Kauffman sees this as a key contest



INTERESTING DISCUSSION — Talking about the Center's Civil Service Reform Act Demonstration Project are (l. to r.) Bob Glen, NWC's Demonstration Project Manager; Constance Horner Director of the U. S.

Office of Personnel Management; Eva Bien, Civilian Personnel Officer; and Kenneth Steen, area manager of OPM from the Los Angeles office. Mrs. Horner was at China Lake Monday.

Aircraft vulnerability, survivability studied



Jerry L. Reed was the first program manager when the Naval Weapons Center was selected as the Navy's lead laboratory for long-range research and development on the vulnerability and survivability of combat aircraft.

In early 1970 Reed said "the need for aircraft survivability becomes apparent when one considers the number of aircraft that have been shot down in Vietnam by small-arms fire from the ground."

Survivability programs included research, experiments and analysis on aircraft fuel systems, subsystems and components designed to determine what could be done to enhance aircraft survivability in combat.

In the course of nearly two decades of the survivability program, old military aircraft, stricken from the active use inventory have found new, but sometimes temporary homes at NWC as they were used as research test beds.

Aircraft could be used for realistic tests of ballistic impact damage to fuel and propulsion systems, aircraft control systems and aircrew protection equipment.

In addition to ballistic testing, aircraft were subjected to on-deck damage investigation (including fire and ordnance discharge), and lightning strikes to check sophisticated electronic systems and more.

Recently the survivability effort has been expanded to include schools on battle damage repair for fleet sailors, using realistic damaged portions of aircraft.

Fire-retardant foams, effective self-sealing fuel tanks, ballistic tolerance of new aircraft materials and improved training have all contributed to better aircraft survivability.



China Lake Police Reports

A resident of Ashworth reported tampering with mail. A box that was left on the victim's porch was removed, opened and left in the front yard. Apparently nothing was missing.

Four arrests were made for driving under the influence of alcohol. One occurred early Friday morning, two on Saturday morning and one early on Sunday morning. One of the persons arrested was on probation from a prior DUI arrest. All were held for five hours, cited into East Kern Municipal Court and released.

Personnel in Building 31180 reported that a typewriter was taken sometime between July 1984 and January 1985.

Someone removed a portable staircase from the front of a mobile home in the Public Works compound, according to a theft report filed.

Three box alarms were turned in for Fire Division response. At the BOQ, the box alarm was triggered by someone hitting the

box while hooking up a TV cable. In Lauritsen Lab, the box was triggered by a battery overheating and in Hangar One, an air conditioning unit overheated.

Found property this week included a set of keys found on the south side of the Headquarters Building and a wallet found in the middle of Mirror Lake. Both can be claimed at the China Lake police station.

The Naval Investigative Service Command has assumed the investigation of a reported child molestation by a military man.

Police reported to Pan American Building 2032 on report of a fight in progress. The victim reported that a hassle involving a traffic occurrence in Switzer Circle escalated to verbal disagreement and then a physical argument.

The Officer of the Day responded to a family fight occurring with a military family on Hubbard Circle.

Several electronic items were reported as missing from Michelson Laboratory. No date was given as to when they were taken, nor was a dollar value given the police.

A disabled vehicle blocking the roadway at Richmond and King Street intersection was towed away.

On Lexington Avenue the victim reported that someone had entered and removed several items of personal property. The case is under investigation.

A 10-year-old girl was reported missing at 5 p.m. when she had not returned home after leaving school at 1 p.m. A librarian at Ridgecrest Library heard the announcement over local radio that she was missing and called China Lake police to say that the girl was at the library.

Two traffic accidents occurred during the week caused by someone following too closely or not becoming aware in time that the vehicle in front was slowing or stop-

ping. One happened at 6 p.m. at the main gate when vehicle one stopped — and vehicle two, behind vehicle one, didn't. On Sandquist Road, the accident was caused by vehicle two following the car in front too closely.

An unattended briefcase was found under a desk at Michelson Laboratory's machine shop at 9 p.m. The person whose name was on the outside of the briefcase was called to come in and open it to show officers that no explosive devices were inside.

Two separate drivers filed reports that their cars were sprayed by hydraulic fluid from the broken line on a Public Works vehicle.

Police were called for a disturbance of the peace on Vieweg Circle. The sons of the reporting party and the subject got into a fight; the parents had a disagreement about what should happen.

Value of software testing proven by Tomahawk group

Discovery of an error in the operational flight software for the Tomahawk missile earned a special award for Warren Littleton, Dave DeKruger and Steve Lyda, head of the Tomahawk Software Support Branch in the Weapons Department.

"Finding such an error proves the value of independent testing of all software," Dillard Bullard, head of the Weapons Department, said as the awards were presented by Dr. Jon Wunderlich, head of the Cruise Missile Program Office at NWC.

The programming error that was found by Littleton, DeKruger and Lyda, was corrected by reprogramming by two contractors, Systems Analysis International Corporation and McDonnell Douglas St. Louis. Both contractors also received awards from the Joint Cruise Missile Project Office in Washington.

Bullard noted that it was fortunate for the country that Lyda was able to get the Tomahawk Software Support Branch into operation as rapidly as he had. The branch was formed in mid-1984 and has been engaged in verification of software for the

Tomahawk missile since that date when responsibility for such verification was transferred to NWC.

Verification of programming for software used by embedded computers on a variety of missiles is carried out by several Center departments as part of NWC's mission to ensure that the fleet gets the best, most reliable weaponry possible.

CL Post of SAME installs officers

Installation of officers will highlight the May meeting of the China Lake Post of the Society of American Military Engineers. The meeting will be held at the Commissioned Officers' Mess on Tuesday, May 6 at 11:30 a.m.

In addition to the installation of officers, John Sumner, Community Relations director for the Diablo Canyon Nuclear Power Plant, will provide an update on Diablo Canyon.



NOD FROM WASHINGTON — Recently honored by the Joint Cruise Missile Program Office in Washington were (l. to r.) Steve Lyda, head of the Tomahawk Software Support Branch, and two of his branch members, Warren Littleton and Dave De Kruger, Dr. Jon Wunderlich, head of the Center's Cruise Missile Program Office, and Dillard Bullard, Weapons Department head, join in showing the plaque that was received from JCMPO.

— Photo by PHAN Bob Reynolds

Blues help open 1986 NRS fund drive push

Ticket sales at Sunday's Naval Aviation Celebration kicked off the 1986 Navy Relief Society annual fund drive according to LCdr. Rich Bruce, who chairs the effort again this year.

Cdr. Gil Rud, commanding officer of the Blue Angels Flight Demonstration Team, gave LCdr. Bruce \$2 for ticket No. 000001 to start the ball rolling. NRS volunteers manning the ticket booth in Hangar Three sold nearly \$800 in drawing tickets during the day.

Bob Foster Supercycles provided examples of the prizes offered in the non-profit drawing this time around as did Loewens and T.J. Frisbee.

The air show success combined with the generosity of the Thrift Shop sponsored by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM) has boosted the Navy Relief drive past the \$3,000 mark already.

The fund drive ends May 30. Tickets are now available from key persons at China Lake. These key persons include: Lt. Sara Clinkscapes, NWC ext. 5330 for VX-5; Lt. Tim Cleary, NWC ext. 5188, assisted by YN2 Monique M.R. LeMan, AMH3 Dennis Traxler, AZAN Margaret Hilton, AMH3 John Hoffman, AMEAN Michael Presely, AME1 Rodney Cochran and AMH2 Donald Harrel at Code 61; EOD is Lt. Larry Dove, NWC ext. 6311; Code 64 is PR1 William Leuallen; Medical and Dental Clinics are represented by HM1 Roger McClure, NWC ext. 2911; Commissary and Exchange, SH1 Victor Poliarco, NWC ext. 3807; PSD, DK1 Oscar Dy at NWC ext. 2044 and First Sgt. Richard Zink, Marine Corps Liaison at NWC ext. 3717.

Military members may buy tickets by an allotment to NRS. LCdr. Bruce hopes to break 1985's record of \$20,000 in donations.



Military News

LCdr. Enewold receives Aussie Cup award...

(Continued from Page 1)

Enewold's performance as chief test pilot for the new Operations Flight Test Program for the A-6, and for his work as Test Director of the Systems Weapons Integration Program that integrated the HARM, Harpoon and Laser Maverick into the A-6 aircraft. It said that he played a key role in the requirements definition for the A-6F avionics and cockpit design that will provide significant new capabilities to the fleet, and that he chaired the Simulation, Test and Evaluation Working Group for NAVAIRSYSCOM.

The letter continues, "Through your exemplary dedication, resourcefulness and professional approach and leadership, you have measurably improved the operational

capability of the A-6 aircraft for the fleet users."

Award recipients receive a letter and plaque, and are entitled to keep for a year the "Aussie cup," an ice bucket sent to NWC for that purpose by Cdr. Joe Dyer, formerly at NWC and now stationed in Australia. The recipients' names are engraved on the stand for the bucket; each can keep it until the next annual award is presented or until transferred, if that takes place sooner.

LCdr. Enewold expressed his appreciation for the award and thanked those whom he felt had challenged his abilities by giving him the opportunity to handle the assignments that had been given him, including the civilian technical personnel.

FIRST TICKET — Cdr. Gil Rud, commanding officer of the Blue Angels bought the first ticket to the annual China Lake Navy Relief Society's fund drive drawing. The air show featuring Cdr. Rud's Blue Angels kicked off the 1986 NRS fund drive, according to LCdr. Rich Bruce, who sold the first ticket. Personnel in codes throughout China Lake will be selling tickets as part of the Navy Relief fund drive this year.

First Class picnic planned

All active duty and retired first class petty officers are invited to a picnic sponsored by the First Class Petty Officers' Association at McBride Park on May 31 at 11 a.m.

The pot luck event will find beverages and utensils furnished by the First Class

Association.

There will be a designated non-drinker to provide transportation home to those who need it following the picnic.

All E-6s are invited to bring food and family and enjoy the event.

'Quantity and quality' remains a critical concern

"Quantity and quality" of the armed forces are the prime motivators as the military defense budget "faces-off" against the Gramm-Rudman Budget-Balancing Act, according to Assistant Secretary of Defense for Force Management Personnel Chapman Cox.

Speaking at a press conference for military media recently, Cox said, "Secretary Weinberger's number one priority is to protect two things, quantity and quality of our force, and that is the motivation behind our legislative and political initiatives . . . of exempting all military personnel accounts."

Since these accounts are a large part of the defense budget, it was not an easy process to determine how much could be exempted.

"The military personnel accounts in 1986

total about \$74 billion," Cox said. "The Secretary, in looking at whether or not he was going to exempt that \$74 billion from his account, had a very grave responsibility to the American people and the nation to say, 'If I'm going to exempt this, I'm going to have to make sure that I have to do it in order to protect quality and quantity because the hits that that amount of money would have taken are going to be placed on the rest of the defense budget'."

"So the Secretary gave me the mission to examine every military personnel account and determine whether it could be reduced without a substantial risk of degrading the quality and quantity of the force," he added.

After a thorough examination of all military personnel accounts, Weinberger and Cox determined that only three-tenths

of 1 percent of the total accounts could meet that criteria. "It's \$234 million, which sounds like a big number, but it's coming out of \$74 billion," Cox said.

Cox added that three areas within the personnel accounts would be affected.

"The first will be an \$87 million cutback in permanent change of station (PCS) money," he said. This amounts to less than 3 percent of the total PCS account, which is more than \$2 billion.

The second area will cut \$92 million from the account by letting people out of the service early. "What this means," Cox said, "is that we've asked the services to go back and look at their termination management of people who are leaving the forces . . . (and if) there's no great need for them, see if they can have those people leave one to two months early."

The last area will cut \$55 million in the growth of reserve training. "The account that provides funds for reserve training in 1986 is \$1,022,000,000, nearly a \$200 million increase (from 1985). So . . . we think we can stand to give \$55 million of it back without really damaging the quality and quantity of our force."

Due to a special clause within the Gramm-Rudman bill, personnel issues in FY 1986 were protected by the President. This exemption will not be allowed next year. "Our next year will become extremely difficult if the Congress doesn't act responsibly and adopt the President's budget," Cox said.

One of the bright spots in the Gramm-Rudman issue is that the pay raise for FY 1986 is exempted.

Some vacationing employees may need NSIC briefing

As summer approaches, a lot of Center personnel are considering trips abroad on vacations, but many are not aware that even on a vacation trip they fall under NAVWPNCENINST 5510.29.

According to this instruction, any military or civilian employee of the Navy who has had access to classified information

within three years must receive a briefing before traveling through any Communist or potentially hostile country, whether the trip be on Navy business or for pleasure.

Although these briefings are mandated for military and civilian Navy personnel, they would also be of value to dependents

accompanying them, says John Hopeck, Special Agent in Charge of the Naval Security and Investigative Command, who gives the briefings.

Anyone in doubt about whether the country to be visited falls into the mandated category can telephone Bob Blevens, head of the Personnel Security Branch in the Se-

curity Division of the Center's Safety and Security Department at NWC ext. 2829 to ask.

After the travel, any incident, no matter how insignificant it might seem, that could have security implications, should be included in a trip report, and a copy of this report sent to NSIC.

Shipboard munition hazards remain important

Munitions carried aboard aircraft carriers and other ships have sometimes proven just as hazardous to those ships as enemy munitions. Many ships torpedoed during World War II blew up not because of the explosive materials in the torpedo, but because the torpedo was able to detonate munitions stored aboard the vessel, either immediately or through starting fires. The sea warfare taking place during encounters between the British and Argentinian navies in the Falklands Islands showed that this type of hazard still exists.

The United States Navy has also suffered demonstrations that munitions aboard a Navy ship can be a major hazard. The disastrous events occurring on the USS Forestal, the USS Enterprise, the USS Oriskany and other ships in the Fleet occurred when munitions were set off by accident or fire.

The Navy has taken a lead role. . .

To avoid any such tragic events in the future, Adm. James D. Watkins, Chief of Naval Operations, set a goal of making all Navy munitions insensitive by 1995. Insensitive munitions are defined in OPNAV Instruction 8010.5 as those munitions that reliably fulfill their performance, readiness and operational requirements on demand, but which will minimize the violence of a reaction and subsequent collateral damage when subjected to unplanned heat or shock.

This means that any munitions (which includes all conventional energetic devices such as bombs, missiles, torpedoes, mines, pyrotechnics, demolition charges and special purpose devices) will not set off by shock, such as bullet impact fragment attach, sympathetic detonation, fire or electromagnetic energy. Achieving that goal is difficult because the munitions must still perform the tasks for which they were designed as well as they now do; their performance cannot be degraded. All weapons are now directed to meet the insensitive munitions goal.

The Navy has taken a lead role in the insensitive munitions program, says Richard Higuera, the Center's Energetic Materials Program Coordinator, because Army and Air Force units ordinarily are able to store their munitions well away from where their own personnel are located, while on a Navy ship personnel virtually sleep over their munitions magazines.

Storage of sensitive munitions becomes a problem for the other services when they must maintain their magazines in small spaces near troop emplacements or civilian communities such as a some of the overseas bases.

The Navy. . .has been working for more than seven years

An insensitive munition is defined as a munition which will satisfy all performance requirements and also: (1) react no more violently than burning to fast and slow cookoff and bullet or fragment impact, (2) detonation of one munition will not cause detonation of an adjacent weapon, and (3) will show no reaction to electromagnetic pulse or electrostatic discharge. Developing such insensitivity requires a number of different approaches which are being pursued by the Navy's Insensitive Munitions Program.

The Insensitive Munitions Advance Development (IMAD) Program is under the cognizance of the Naval Sea Systems Command. The Naval Surface Weapons Center is responsible for explosives and for

surface and underwater ordnance, the Naval Weapons Support Center handles all pyrotechnics, and the Naval Weapons Center is responsible for air ordnance and for all propulsion.

Point of contact for the Center's work in the IMAD Program is Higuera. Andrew Victor heads the propulsion/propellant part of the propulsion/propellant part of the task; Pat Yates, the air-launched ordnance (fuzes/warheads); and Gordon Greene, the Center's portion of the explosives task.

Higuera says that the objective of IMAD is to demonstrate technologies for Fleet Applications. The Navy, he notes, has been working for more than seven years on an explosive advanced development program to make available new explosives that are safer to use.

In addition to new explosives and propellants, new warhead cases and motors also need to be designed and developed, not only for new munitions but also to reduce the sensitivity of those weapons already in the Fleet.

"How essential the Navy considers the insensitive munitions program," Higuera adds, "is indicated by the Navy's commitment to spend about \$1 billion on it in the next five years."

Victor points out that the program calls for three approaches: developing external devices that can be used for retrofits to mitigate hazards on existing munitions, designing rocket motor cases for new weapons and improving existing weapons and changing the nature of the energetic materials themselves. All three approaches are being used in a multi-pronged attack on the problems of, as he puts it, "our weapons sometimes being our worst enemies when the unexpected occurs."

It's critically important, challenging work

He also notes that munitions are only one factor in a program to make the Navy's ships safer for personnel aboard them. China Lake, Victor adds, has been concerned with safer packaging of weapons, with the design of better layouts for magazines on ships, and with firefighting and damage control as well.

Yates says the aim of the overall program is to make weapons benign neighbors for the personnel on Navy ships.

"It's critically important, challenging work," he says, "and it's fun as well. We are able to play a role here that other Centers can't because of the unique capabilities at China Lake." He continues, "I hope that those who are now in their Junior Professional year or who have recently been JPs realize that the technologies involved are very interesting and career-enhancing."

Mechanical design and redesign of munitions, Yates believes, will be the first element of the insensitive munitions program to get into the Fleet because it is faster to achieve than the development of new materials.

Several programs have been outstanding

"We're working with warhead cases, fuze design, intervention and mitigation devices. These can be readily retrofitted to weapons already in the Fleet in many cases, and some of the weapons programs have taken outstandingly swift action to take advantages of such near-term technology," Yates says.

He adds that several programs, notably Harpoon, HARM, Phoenix and Sidewinder have been outstanding in their response,

and that already developed technology is being introduced into the Fleet rapidly in some of the other weapon programs.

He says that the Center has been working on some areas of the technology needed for a number of years, and that much of the work begun even before Admiral Watkins' formal decree is now in the Fleet or in final stages of its development process.

Greene, who heads the explosives advanced development work at China Lake, agrees that work begun here and elsewhere years ago is taking it place in the formal insensitive munitions program.

Laboratories involved have been NSWC and NWC, while the pilot plant work (where newly developed explosives are processed or "scaled up" to see if they can feasibly be produced in large quantities) is going on at the Naval Ordnance Station in Indianhead, Md., and at the Naval Weapons Station, Yorktown, Va.

"No new explosive now being developed," Green says, "will solve our problems. We also have to ensure that in trying to solve specific problems, we don't let the number of explosives proliferate. We examine new explosives to determine which are the most promising and then concentrate on those."

Most new explosive materials now are plastic bonded explosives (PBX) because

The PBXs tend to be more expensive. . .

the elastomeric materials bonding the explosive make the explosive safer and less vulnerable than older explosives that were bonded with TNT. The PBXs tend to be more expensive than the older type of explosives, Green notes, so they are generally more suitable for use in missile warheads but at least one PBX will be used in large bombs.

He continues by saying that the explosive advanced development program must work very closely with the Army's Single

Manager for Conventional Ammunitions because of mobilization requirements. Explosives that would be needed in case of a conflict must be made of materials that are in adequate supply and are expected to continue to be in adequate supply despite other wartime needs.

The explosive is available for testing. . .

When a new explosive is found to be worthwhile, safe and producible, it is submitted for "qualification." The EAD program also develops a large amount of information on each explosive to assist the warhead designer in predicting its performance in a full sized warhead. Once it has passed this hurdle, the explosive is available for testing in warheads for individual weapon systems considering its use in which it will be "type qualified" before it is permitted to go to the Fleet.

A long-term continuing effort

Although the insensitive munitions program is currently seen as a 10-year program, all China Lake personnel agree that it could be seen more appropriately as a long-term, continuing effort.

"The Center technologists have been working on aspects of insensitive munitions for years," Higuera says, "and the IMAD program will enable potential solutions to be carried further."

"However," he continues, "to meet the CNO directive requires not only the effort by our technologists but, more importantly, we need a concerted effort of our weapon system program managers to incorporate these improvements into hardware delivered to the Fleet. Without the effort of our weapon system program managers," he concludes, "the technology projects would be useless."



SPECIAL SHIRT — Timothy Brown, the IWV Muscular Dystrophy Poster Child, hands Lt. Donnie Cochran, Blue Angels No. 3, a special t-shirt at the reception for the Blues last week. Mike Tosti of the China Lake Fire Division holds t-shirts Timothy presented to all members of the Blues.

Hays retires after 30 years in China Lake family

"I don't know anywhere else where people can contribute as much and feel as good about it," Burrell Hays told an audience of more than 850 local personnel and distinguished guests who had gathered from throughout the country to honor him at his retirement party yesterday evening.

"At China Lake, we're a family. Everybody here is contributing and everyone's proud of it. Never underestimate the power of that teamwork," Hays continued. "Indeed, when there's a day like the airshow we had here Sunday, we had the whole community here—and that's what makes this place great."

Hays' wife, Lesta, joined him with that thought, adding that "Burrell and I share a love affair with this community, the people and the Navy."

Hays noted in referring to Capt. Ken Dickerson, NWC Commander, who served as master of ceremonies for the evening, "What's made it good also is being able to work with such a class act as an attack pilot. I've had the privilege of working with some of the finest military, the people who really put it on the line. When you work with people like them, you've got to stand up and fight for what's right!"

Hays' integrity and courage in fighting for what he believes to be right for the Navy and the nation was saluted by the more than 20 presenters who honored him with plaques and gifts. These presenters

included Technical Directors of other Naval Laboratories, representatives from the Naval Air Systems Command, former China Lakers who now hold distinguished positions elsewhere, or who have retired from the Navy, as well as dignitaries currently at China Lake. The Hays' four children joined in a special tribute to their father.

Captain Dickerson summarized the feelings of those present by saying that "The real tribute comes from those who have worked with you over the years."

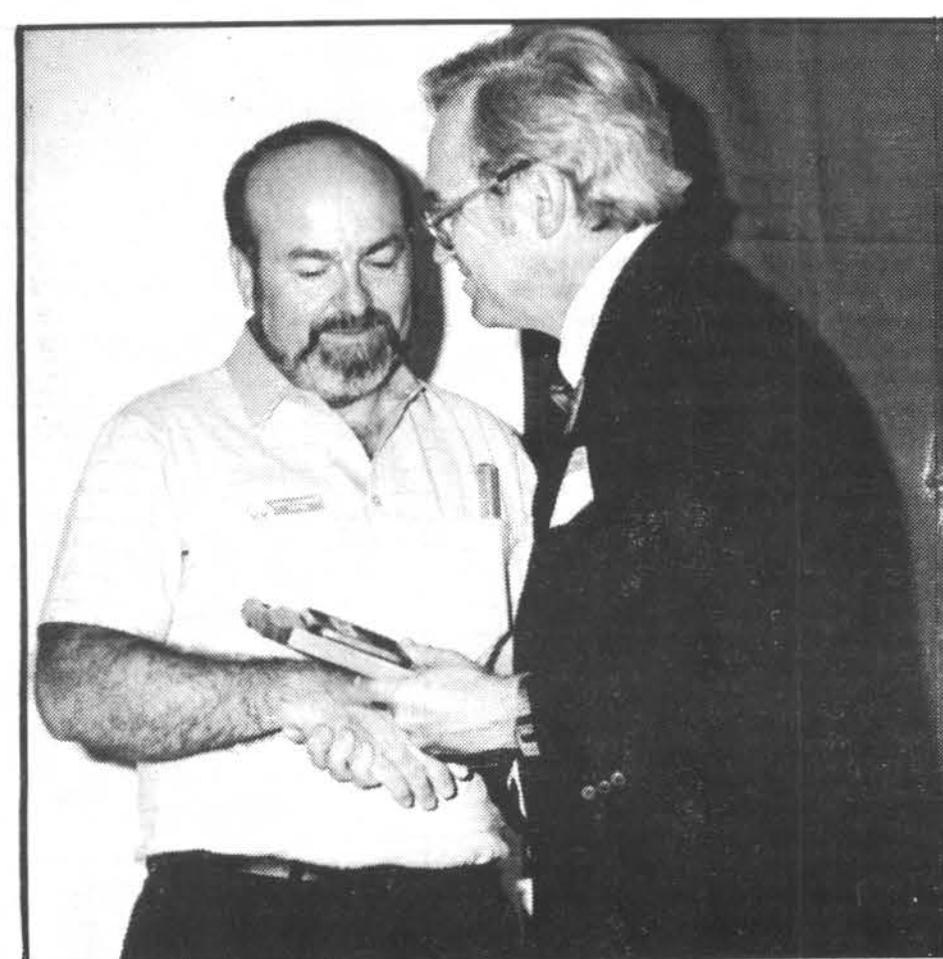
"Burrell started at the bottom 30 years ago and worked his way to the top. He never took his work for granted, but had long range goals and achieved them."

Hays' long range goal, noted the Skipper, has always been to make the Navy a smart buyer by having the technical ability on board to know the systems that the Navy needs.

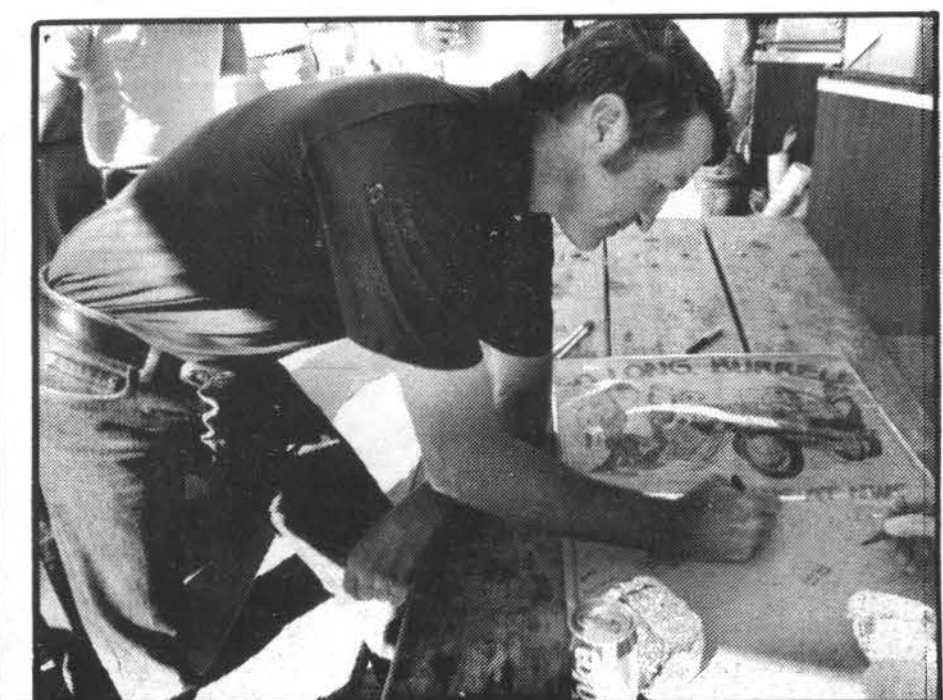
"I've been proud to serve with the most outstanding Technical Director in the county, a man known for his honesty, integrity and moral courage," the Skipper said.

That tribute was echoed by Gerry Schiefer, who becomes Technical Director on Hays' retirement.

"Weapons you see in the trouble spots of the world today defending freedom bear the handprints of Burrell Hays," he said. "I pledge to you that I'll defend the people, the culture, the China Lake way of work."



FELLOW TD—Bob Hillyer, former NWC Technical Director, now TD at Naval Ocean Systems Center, San Diego, makes a presentation to Burrell Hays. Below, Jude Lahr, former NWC Commander, signs a card for Hays at a farewell party in Solar Park held Monday.



"... For more than 30 years you have served our nation with total dedication and selflessness. And today, America is better defended because of your tireless efforts. . . ."
Telegram from Senator Barry Goldwater



CZAR WARS—A t-shirt presented to Burrell Hays by his children proclaims him the real winner of CZAR Wars '86.



CENTER GIFT—Burrell and Lesta Hays admire the NWC gift of a Larry Zabel painting of big horn sheep on Center lands, as Capt. K.A. Dickerson, NWC

Commander, looks on. At left, Hays, cigar firmly clenched, listens to part of the roast at last night's farewell party.

NWC air show thrills thousands of spectators

Treated to the thrills and chills of a spectacular air show, more than 20,000 spectators cheered pilots and crews as China Lake celebrated 75 years of Naval Aviation with a big bash last Sunday.

Air Test and Evaluation Squadron Five (VX-5) and the Navy's Flight Demonstration Team (the Blue Angels) joined a few private pilots in bringing the masses throng to its feet with aerobatics most people, even veteran pilots, only dream about doing.

Highlighting the aerial exhibitions were demonstrations of the versatility offered by the AV-8B Harrier and the AH-1W Super-Cobra flown by Marine Corps pilots from VX-5, and the famed Blue Angels.

VX-5's demonstration of the AV-8B Harrier, flown by Maj. Bain, USMC, and the SuperCobra, flown by Maj. Hill and Maj. Shaw, brought loud applause and cheers from the crowd.

The Vampires also had Cdr. G.M. Biery in the A-4M, LCdr. R.G. Thompson and Lt. Novak in the A-6 Intruder, Capt. Bull, USMC and Lt. Kelly in the F/A-18s and Cdr. T.R. Williams in the A-7E. In addition, Lt. Braun narrated the VX-5 show and Lt. Haines served as tower coordinator. Capt. Stark, USMC, flew the TA-4 chase plane for the demonstration.

Lt. Mark Eoff narrated the air show except for the Blue Angels and VX-5's portion.

Bob Bishop in the Coors Silver Bullet jet and Bill Hickie in his home-built Pitts Special were joined by Joann Osterud Nottke in her Stephens Akro monoplane in presenting aerobatic demonstrations.

Paul Metz, flying Northrop Aviation's



OPENING EVENT — PRCM Bob Hudson brings the U.S. flag down with him to open NWC's celebration of 75 years of Naval Aviation.

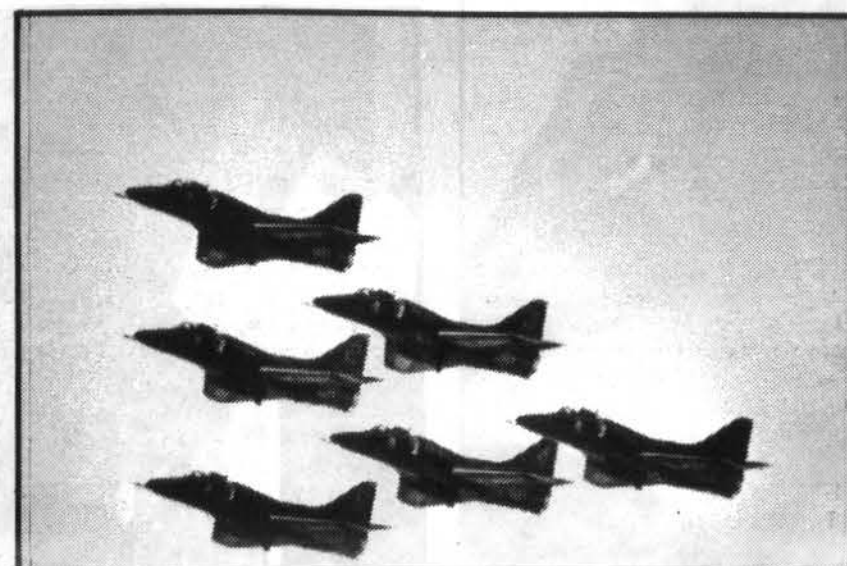
Master Chief Hudson heads the Parachute Test Branch of the Aerosystems Department.



POPULAR AVIATOR — Lt. Pat Walsh of the Blue Angels flew his first show at China Lake since joining the flight demonstration team following a tour of duty at VX-5.



HARRIER SHOW — A crowd favorite during Sunday's air show was the performance demonstration by an AV-8B Harrier from Air Test and Evaluation Squadron Five.



BLUE DIAMOND — All six Blue Angels taking part in Sunday's flight demonstration fly in the big diamond formation as an estimated 20,000 spectators looked on.

Blues, VX-5...

F-20 Tigershark, gave a demonstration of high-performance take-off and climb, contrasted by the departure of Northrop's T-38A Talon, owned and flown by Chuck Thornton.

Static displays included the B-47 Stratojet restored to flying condition by volunteers from China Lake and the Castle Air Museum and a EP-3A Orion from the Pacific Missile Test Center at Pt. Magu. In addition, privately owned vintage aircraft such as the F-4U Corsair and a British Sea Fury were on display.

Inside Hangar Three many NWC departments had displays of technology developed or used at China Lake.

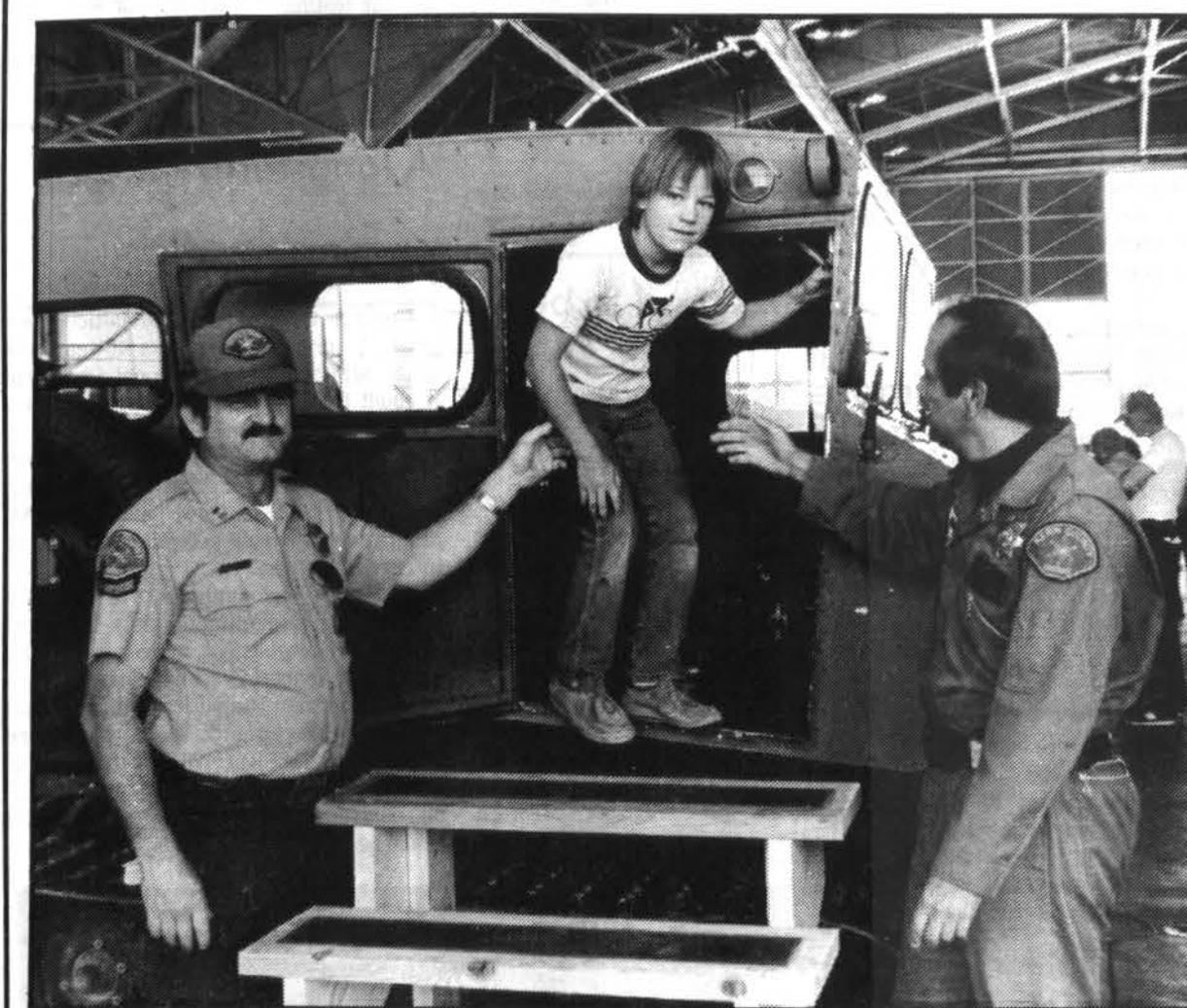
At least an hour before show time the concession stands had sold out their supply of Blue Angels hats and most t-shirts. More than 13 community and China Lake organizations made sure there was plenty to eat and drink while enjoying the celebration.

When it was all over and the Blues were back on the ground, Lt. Pat Walsh, formerly of VX-5, now flying the Number 4 Blues' aircraft, drew the largest crowd of autograph seekers. This was his first performance with the Blues at China Lake.

There was the usual assortment of lost parents, but they were all quickly united with their children and by 5 p.m. Sunday, only the seven blue A-4 Skyhawk IIs, Fat Albert (the squadron's C-130 Hercules transport) and trash scattered all across the airfield remained as reminders of the fun in the sun that began at 10 a.m. that day.



LIVE MUSIC — Dixieland music at the Blue Angels show was provided by Jack Ewing and his Dixieland Band.



CLOSE LOOK — Lt. Jack Ceckler tells visitors about the A-6E Intruder he flies for the Naval Weapons Center.



IWV SAR — Ron Smith (left) and Louie Allen of the Indian Wells Valley Search and Rescue Team help a youngster out of the team's snow-cat, part of the team's display in Hangar Three Sunday.

Naval Aviation Photos by:

PH2 Rick Moore

PHAN Bob Reynolds

Mickey Strang

Steve Boster

Joe Boster

(1) to communicate information effectively, (2) to demonstrate technical competence, and (3) to not appear nervous. You will learn techniques that will give you confidence in all three areas. Topics include goals for different types of presentations and audiences, organization of material, nonlinear outlining, level of detail, visual aids, making good viewgraphs, preparations for being seen and heard, handling nervousness, delivery, and handling questions. For the final activity you will give a short presentation that will be videotaped, played back, and discussed.

Deadline: 27 May.

DONT—PREVENTION OF SEXUAL HARASSMENT CLASS FOR SUPERVISORS

12 June, Thursday, 0800-1530, Training Center. By: NWC Sexual Harassment Prevention Training Staff.

Scope: This is the Department of Navy approved "Prevention of Sexual Harassment" training course that is mandatory for all supervisors. This course includes defining sex discrimination and sexual harassment, the legal and regulatory bases, organizational responsibility for prevention, supervisor counseling skills, and other related topics.

Deadline: 29 May.



CODE 097 — Personnel Services Divisions' team (from l. to r.) Opal Coughlin, Personnel Assistant; Kitty O'Laughlin, PMA; and Geri Baker, Personnel Assistant serves departments 21, 23, 25, 291 and 32.



CODE 097 — Personnel Service Divisions' team (from l. to r.) Jan Town, PMA; Sue Sweet, Personnel Assistant; Willie Edwards, PMA; and Evelyn McMurdo (not pictured) serves departments 12 and 26.

Frequently, employees of all pay-grades need help with personnel problems such as insurance, leave time, pay and promotions, among others.

Personnel Services Divisions (Codes 096 and 097) provides advice and service to departments at NWC, covering all aspects of personnel administration, and directed toward meeting the needs of the departments promptly and effectively.

Assistance to managers of departments in the development of their human resources and proposing personnel policies concerned with meeting the requirements of the individual departments are also part

of the two Codes' functions.

In addition, they provide advice and service in staffing, classification/pay, personnel and organization development, and employee and labor relations.

Working in each Code are four individual groups consisting of at least one personnel management advisor (PMA) and at least two personnel assistants. The April 18 issue of the Rocketeer covered the departments assigned to Code 096. This week's spotlight is Code 097 under the supervision of Greg Morrow, and the departments assigned to Code 097.

DEPARTMENTS 09/36



CODE 097 — Personnel Services Divisions' team (from l. to r.) Julie Rodriguez, Personnel Assistant; Bob Fitzpatrick, PMA; Judy Thornberry, PMA; and Tara Haikin, Personnel Assistant serves departments 24 and 31.



CODE 097 — Personnel Services Divisions' team (in front) Sheila Morgan, PMA; (in back from l. to r.) Nancy Cleland, PMA; Vel Gilbreath, Personnel Assistant; and Doris Sorenson, Personnel Assistant serves departments 09 and 36.

DEPARTMENTS 24/31

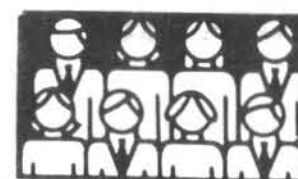
Bob Fitzpatrick and Judy Thornberry, located at Room 114 in the personnel building, are the PMAs. Tara Haikin and Julie Rodriguez, located at Room 113, are the personnel assistants. They can be reached at NWC ext. 2032.

DEPARTMENTS 21/23/25/291/32

Kitty O'Laughlin, located at Room 106 in the personnel building, is the PMA. Geri Baker and Opal Coughlin, located at Room 107, are the personnel assistants. They can be reached at NWC ext. 2925.

DEPARTMENTS 12/26

Jan Town and Willie Edwards, located at Room 111 in the personnel building, are the PMAs. Evelyn McMurdo and Sue Sweet, located in Room 112, are the personnel assistants. They can be reached at NWC ext. 2514.



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 Blandy. Ads close at 4:30 p.m. on Friday, one week after the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

No. 08-030, Computer Operator, GS-332-3, Code 0881 — (Second Shift 1600-2400 with no lunch hour). Position is located in the Computer Services Branch, Computing Systems Division, Central Staff. Will serve as a computer operator, junior level or trainee, in the operation of major ADP systems (UNIVAC 1100/83) with full operational responsibilities over on line peripheral equipment and associated devices. **Knowledge:** of Data Processing. **Ability:** to make sound decisions; to work under pressure. Promotion potential to GS-4, but not guaranteed.

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. 24-013, Locksmith, WG-3817-7, Code 2431 — This position is located in the Inspection and Technical Security Branch, Safety and Security Department. Incumbent performs locksmith duties which include installation, opening and repairing most types of locks. Makes keys and changes combinations to security containers and safes. Opens key locks when key is not available and repairs all types of

locks. Works on master key systems provided by a journeyman locksmith to rekey all locks in a building or area to a master key system. **Skill:** Must be able to use micrometers and gauges in insure close tolerance. **Knowledge:** Must know principles and methods of the locksmith trade. Promotion potential to WG-9. Supplemental form is required and may be obtained in Room 100 of the Personnel Building.

No. 25-008, Claims Examiner (Typing), GS-2135-4/5, 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 damages. 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 percent 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 find-

ings and recommendations orally and/or in writing. Previous applicants need not apply. Promotion potential to GS-7.

No. 25-014, Shipment Clerk (Household Goods), GS-2134-4/5, Code 253 — This position is located in the Supply Department, Quality Assurance Division, Code 253. The function of this position is to compile and process documents for the shipping and storage of household goods and personal property belonging to military and civilian DOD personnel. Incumbent conducts interviews to determine eligibility to ship at Government expense; provides counseling regarding entitlement and claims and contracts for packing and crating of goods. **Abilities:** to use tact and diplomacy in dealing with both on and off Center personnel; ability to work well under pressure and adjust easily to organizational, program and procedural changes; and ability to work independently; ability to use and apply a variety of written manuals and instructions. Promotion potential to GS-5.

No. 25-015, Clerk Typist, GS-322-3/4, Code 253 — Incumbent is responsible for providing clerical support in the form of typing, filing, compiling data, maintaining logs and performing follow-up action on a wide variety of items. Position requires frequent personal and telephone contact with individuals at all levels of Navy. **Elements:** Ability to use tact and diplomacy in dealing with both on and off Center personnel; ability to work well under pressure and adjust easily to organizational, program and procedural changes; and ability to work independently; ability to use and apply a variety of written manuals and instructions.

No. 26-028, Supply Clerk, GS-2005-4/5, Code 2611 — This position is located in the Production Management Branch. The incumbent screens all Bills of Material and processes all requests for surplus materials. Assists in coordinating all procurement actions in Public Works through the Supply Department. **Elements:** **Ability:** to communicate both orally and in writing; to work independently with attention to detail; to use and apply a variety of written manuals and instructions. Promotion potential to GS-5.

No. 34-010, Editorial Assistant, GS-1087-5, Code 3413 — Performs composition, layout, copy editing and proofreading services for a variety of technical manuscripts and visual aid requests. Responsible for the preparation and accuracy of final camera ready copy for reports produced in the branch. **KSAs:** Knowledge of English language, grammar, spelling, use of abbreviations and proofreading techniques; knowledge of composing equipment; ability to prepare and lay-out copy in a meaningful format; ability to work accurately under pressure of deadlines. Promotion potential to GS-7.

No. 34-011, Acquisition Technician, GS-303-5, Code 3433 — This position is in the Technical Services Branch of the Technical Library. This branch is responsible for the acquisition, cataloging and processing of materials, supplies, systems and services for the Division including ADP, online systems and services. The incumbent acts as contracting and ordering officer with primary responsibility for the acquisition function. Responsible for data input, operation and maintenance of the periodicals data base. **KSAs:** Knowledge of the principles, practices and execution of Blanket Purchase Agreements. Ability to prepare stubs, statements of work, independent government estimates and delivery orders on existing contracts. Knowledge of library materials, systems and services. Demonstrated use of oral and written communication skills in dealing with difficult situations. Promotion potential to GS-6, subject to classification. Applicants who lack the required 6 month directly related specialized experience will

be considered for a 6 month detail to gain that experience.

No. 35-036, Management Assistant, GS-344-5, Code 35102 — This is a permanent part-time position located in the Systems Sciences Division of the Electronics Warfare Department. The incumbent assists the Business Manager in providing financial and management services to the Division. Emphasis is on financial and budget analysis, management and organization analysis; plant account, safety and security services, facilities management; and general management analysis. One year or more of budget experience; one year or more of general management/administrative experience. **Elements:** **Knowledge:** of budgetary policies and procedures; of management analysis methods. **Ability:** to use and learn to use Xerox 860 and desk-top computers; to prioritize assignments and organize his/her workload. This position will provide experience which may be qualifying for professional administrative positions.

No. 36-156, Logistics Management Specialist, DS-346-2/3, (Multiple Vacancies), Code 3664 — Incumbent is responsible for preparing and implementing ILS plans for DOD weapons systems/equipment. Establishes logistics support criteria for system specifications, solicitation packages, contracts and life cycle cost studies. Prepares and manages budgets for cognizant programs and ensures system support during initial development and operation. **Elements:** **Knowledge:** of logistics planning techniques and methods; of logistics maintenance and support principles. **Ability:** to participate as a member of a technical team; communicate orally; communicate in writing. Promotion potential DS-3.

No. 36-157, Electronics/Engineering Technician, DT-856/802-2/3, Code 3664 — (Multiple Vacancies) — Incumbent is responsible for preparing and implementing ILS plans for DOD weapon systems/equipment. Establishes logistics support criteria for system specifications, solicitation packages, contracts and life cycle cost studies. Prepares and manages budgets for cognizant programs and ensures system support during initial deployment operation. **Elements:** **Knowledge:** of airborne weapons (missiles and bombs). **Ability:** to participate as a member of a technical team; communicate orally; communicate in writing. Promotion potential DT-3.

No. 39-018, Clerk (Typing), GS-303-4/5, Code 3907 — This position is located in the Cruise Missile Program Office, Weapons Department. The incumbent performs clerical duties for the Cruise Missile Program staff. Duties include typing of letters, memorandums, travel orders, travel itineraries, transmittals, purchase orders, etc.; receiving and directing visitors and incoming telephone calls; preparation of time cards; and arranging travel. **Job Relevant Criteria:** Ability to perform receptionist and telephone duties; ability to review, control, screen and distribute incoming mail; ability to compose correspondence and/or prepare nontechnical reports; knowledge of filing systems and files management; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences.

No. 39-020, Security Specialist, DA-080-1, Code 39 — Incumbent provides detailed and comprehensive security administration for compartmented top secret DOD research and development efforts. Travel may be required. **KSAs:** Knowledge of security procedures and requirements; skill in written and verbal communication; ability to deal with personnel at all levels; ability to work under pressure; ability to obtain a top secret clearance. Promotion potential to DA-2.

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. 39-017, Interdisciplinary, General Engineer/Electronics Engineer/Aerospace Engineer/Physicist, DP-801/855/861/1310-2/3, Code 39A3 — This position is that of Systems Engineer for the Penguin Program Office, Weapons Department. The incumbent will be involved in overseeing the concept design/refinement, development, systems integration/engineering, and test and evaluation of the Norwegian Inertial Guided-IR Seeker Penguin Missile System. The incumbent will develop plans and programs, schedules, and costs and analyze evaluations of the missile for Fleet use. The incumbent is responsible to the program manager for Penguin missile tasks assigned to the Center. The incumbent will interface with all levels of NWC management, SYSCOM sponsors and foreign government contractors. To apply, send an updated SF-171 to John Prescott, Code 39A3, NWC ext. 3952.

No. 31-130, Interdisciplinary Physicist/Mathematician/Mechanical/Aerospace/General Engineer, DP-1310/1520/830/861/801-2 or 3, Code 3196 — This position is located in the Systems Analysis Branch of the System Engineering Division, Aircraft Weapons Integration Department. The incumbent will be responsible for contributing to a wide variety of tactical aircraft weapons systems and mission effectiveness analyses. General tasks involve deriving performance requirements for advance concepts and implementing proposed changes to current systems. Knowledge of or experience in one or more of the following is required: Mathematical modeling, simulation, weapon ballistics, sensitivity analyses, digital filters and algorithm development. To apply for this position, send a current SF-171 to R.L. Rockwell, Code 3196, NWC ext. 5431.

Recent Separations

Code	Name	Title
003	Hamm, Maurice L.	Electronics Engr.
2413	Daughtry, Tracy A.	Clerk-Typist
24312	Baker, Richard L.	Locksmith
25253	Larimore, Carmen M.	Contract Spec.
26441	Martin, Gerold E.	Carpenter
3142	Leitch, Meredith	Electronics Engr.
3196	George, Robert G.	Physicist
3274	Sheets, George F., Jr.	Mechanical Engr.
3465	Cornett, Helen C.	Techl. Pub. W/E (PS&E)
3682	Peachie, Leon A.	Qual. Assurance Spec.
3915	Nuffer, Harold D.	General Engr.
3921	Wardell, John G.	Mechanical Engrg. Tech.

Non-appropriated Funds Arrivals

2227	Gill, Deborah
2227	McNair, Helen
2212	Tavare, Nieves

Non-appropriated Funds Departures

BEQ	Abad, Rosa
2222	Weber, Alcira
2222	Conner, Vicki
2211	Ely, Emerita
2211	Hagerman, Toni

Survey Deadline May 9

If you haven't completed your Organizational Excellence Survey, time is running out. You only have until May 9 to complete your questionnaire and return it to Code 0824. Everyone is urged to complete the personal data section of the survey so that comparisons can be made. Even if you don't wish to fill out the entire section, please indicate your three-digit division code. Information obtained from the survey will be reviewed by Center management and used to improve the organizational climate at NWC. Your participation is vital if we are to receive an accurate picture of employee attitudes, opinions and morale here at China Lake.

If you did not receive a survey or need additional information, please call Lucinda Bourne (ext. 3526). Survey results will be published in the Rocketeer sometime around June 13.

Secretarial opportunities

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

Applicants will be rated against 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. 08-029, Secretary (Typing), GS-318-5/6, Code 082 — This position provides secretarial support to the Head, Management Division. Promotion potential to GS-6.

No. 26-017, Secretary (Typing), GS-318-4/5/6, Code 263 — Provides secretarial support to the Engineering Division Head and his immediate staff. Promotion potential to GS-6. Previous applicants need not reapply.

No. 26-024, Secretary (Typing), GS-318-4/5, Code 262 — Incumbent provides full range of secretarial and administrative support to the Head of Staff and staff elements in the Public Works Department; serves as back-up to department secretary; maintains Public Works personnel database on VAX hosted SMARTSTAR; frequent use of IBM-PC required, will train. Promotion potential to GS-5. Previous applicants need not reapply.

No. 33-016, Secretary (Typing), GS-318-4/5, Code 3352 — Provides secretarial and administrative support to the Air-Launched Weapons Fuze Branch of the Fuze and Sensors Department. Knowledge and working skill on Xerox 640 desirable. Promotion

potential to GS-5.

No. 33-017, Secretary (Typing), GS-318-4/5, Code 3355 — Provides secretarial and administrative support to the Free Fall Weapons Fuze Branch of the Fuze and Sensors Department. Knowledge and working skill on IBM Displaywriter desirable. Promotion potential to GS-5.

No. 35-037, Secretary (Typing), GS-318-4/5, Code 3546 — Incumbent provides secretarial support to the Threat Simulator Systems Branch. Knowledge of and working skill on a Xerox 860 is desirable. Promotion potential to GS-5.

No. 36-155, Secretary (Typing), GS-318-5, Code 36404 — The incumbent provides secretarial support to the Technical Manager of the Manufacturing Technology Office and the CAM Engineering Office. No promotion potential.

No. 39-019, Secretary (Typing), GS-318-5/6, Code 3907 — This position is located in the Cruise Missile Program Office, Weapons Department. The incumbent performs clerical duties for the Cruise Missile Program Staff and acts as Office Manager for the clerical staff.

CSB MPA program altered

Effective July 1, a new master's program, M.S. in Administration, will take the place of the Master of Public Administration program offered at NWC through Cal-State Bakersfield (CSB). There will be a two-year transition period to accommodate current MPA students so that they can finish degree requirements. Individuals making application to the program after June 30 will earn the M.S. in Administration. Courses will transfer between programs during the two-year period so that there should be no loss of units.

CSB advocated the change because of changing on-campus MPA program requirements are difficult to implement at NWC and because the new program is even more related to the administration work of NWC. The curriculum for the new program is specifically designed for NWC.

Current MPA students and those interested in the new program are urged to attend an information briefing on the transition to the M.S. in Administration program which will be held at the Commissioned Officers' Mess on May 23 at 10:30 a.m.

Cerro Coso sets registration

Cerro Coso Community College has established registration for summer courses on June 16 through June 20. Schedules, which should be released by Cerro Coso approximately May 16, will be available in the Training Center lobby.

The Center will pay for full tuition if the courses are provided under the NWC/Cerro Coso Contract. If courses are job-related or will strengthen an individual's contributions to the Center's mission, tuition will be paid directly to the college by Code 094. A DD Form 1556 (Request, Authorization, Agreement and Certification of Training and Reimbursement) must be submitted via department channels to Code 094.

If a course is not directly job-related, along with the DD Form 1556 a NAVWPNCEN 12420/66 (Academic Enrollment Justification) and a NAVWPNCEN 12410/68 (Individual Development Plan) describing how the course fits into the overall career plan and how attendance at the course will strengthen the individual's contribution to the Center's mission, must be submitted.

If an individual is not yet a California resident, a statement from the supervisor indicating the negative impact to NWC of postponing the training until residence is established, must be submitted.

Code 094 will return the approved DD Form 1556 to the originating party. This must be brought to Cerro Coso during registration in order for NWC to pay tuition.

A DD 1556 is not required for co-op students. Co-op students must inform the registrar that they are co-op students while registering.

Requests for tuition support (DD 1556) must be received by CLOSE OF BUSINESS June 6 so that they may be processed and returned in time for registration. Those received after that date will be returned and employees will have to pay the tuition themselves. EMPLOYEES WHO PAY TUITION WILL NOT BE REIMBURSED.

For further information, contact Cecil Webb, NWC ext. 2648.

Computer Science classes

COMPUTER SCIENCE STUDENTS PLEASE NOTE!

CS49 — Assemblers (a Cerro Coso Community College course) will be held at the Training Center on Tuesdays, Wednesdays and Fridays from 11:30 a.m. to 12:30 p.m., July 8 through August 14.

This class is designed for those individuals who have had some assembly language experience or have had a formal course in assembly language programming some time ago. This 1-unit class is designed to prepare those individuals for CSCI 171 — Computer Architecture, which will be offered in the fall. Vic Stone is the instructor.

COMPUTER SCIENCE STUDENTS PLEASE NOTE — A new course has been added to the schedule for this academic year. The course is CSCI 397C: Special Problems: Workshop/Practicum on Computer Programming Management. Class will be held on June 7-8, July 12-13 and August 23-24. For more information, consult the summer course schedule advertised in "NWC Announcements" and "Rocketeer" or call Cecil Webb at NWC ext. 2648.

Engr. 23 required

UNDERGRADUATE ENGINEERING STUDENTS PLEASE NOTE!

Engr. 23 — Properties of Materials (a course taught by Cerro Coso Community College and required for the BS degree in electrical engineering) will be held Tuesdays and Thursdays from 4:30 to 6 p.m. this fall.

This change in schedule was made because of the conflict with Math 6C.

The lab portions of Engr. 23 (one three-hour session per week) will probably be held Tuesdays or Thursdays after the lecture.

Dr. Prabhakar plans visit

Dr. Jagdish Prabhakar of Cal-State University Northridge will be on Center May 5 to advise current and prospective students in the external degree programs offered by the school.

Cal-State University Northridge has external degree programs in electrical

engineering, applied mechanics 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.

Chico summer classes

The following classes are being offered this summer for the Cal-State Chico Computer Science Program (bachelor's and master's degrees) and the Cal-State Bakersfield Business (bachelor's degree) and Public Administration (master's degree) Programs.

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

CSCI 250: COMPILER THEORY (3 units)

May 3-4; May 31-June 1; June 28-29; Saturday and Sunday, 0800-1600; Training Center. By: Professor Orlando Madrigal, CSUC.

Prerequisite: CSCI 151.

Scope: This course is intended as a first course in theory and the translation of programming languages. The course will cover language definition and descriptors, syntax structures, parsing, extraction of elements, symbol table construction, memory allocation, control statements, I/O lists, code generation, error detection, and diagnostic generation. Topics include introduction to compiler theory (programming languages, translator types, and arithmetic expressions and ALGOL target codes); formal languages; introduction to syntax analysis; precedence parsing; LR(0) and SLR parsing; LR(1), LALR; syntax directed translation; forms of the immediate code; code generation and optimization; run time storage management; and future research.

Text: "Compilers-Principles, Techniques and Tools." Aho, Sethi, Ullman.

CSCI 397C: SPECIAL PROBLEMS: WORKSHOP/PRACTICUM ON COMPUTER PROGRAMMING MANAGEMENT (3 units)

June 7-8; July 12-13; August 23-24; Saturday and Sunday, 0800-1600; Training Center. By: Professor George Aronovick, CSUC.

Prerequisite: Graduate status, senior within 6 units of graduation, or consent of instructor.

Scope: The course is a workshop/practicum on computer programming management. Methods and analysis of programming management and software engineering, as well as structured analysis techniques (Yourdon, Jackson, Gain, and Sarson, etc.) as applied to software development are discussed. The role of the programming manager in micro-computer implementation, impact of distributed processing on programming languages, an understanding of what fourth-generation languages improve, programming productivity, research in automated development tools, is presented and discussed. Future programming aspects in fourth and fifth generation environments are discussed.

Text: No text. The instructor will provide excerpts from texts, possibly involving a charge to students to cover copyright fees.

CSCI 270: SYSTEMS DESIGN (3 units)

June 24-August 21, Tuesdays and Thursdays, 1500-1730; Training Center. By: Professor John Zenor, CSUC.

Prerequisite: CSCI 171 and CSCI 172.

Scope: This course focuses on the early phases of the system life cycle: systems analysis and design. You will apply the experience gained in prior courses to the design and analysis of a system for a practical problem. Emphasis will be on the project-team approach. Readings will be assigned from the current literature in systems analysis, design, and software engineering.

Texts: "Mythical Man Month," Frederick Brooks; "Notes on the Synthesis of Form," Christopher Alexander, Harvard Press; and "Concise Notes on Software Engineering," Tom DeMarco.

CSCI 397C-2: ADVANCED TOPICS IN COMPUTER GRAPHICS (3 units)

June 14-15; July 19-20; August 16-17; Saturday and Sunday, 0800-1600; Training Center. By: Professor James Murphy.

Prerequisite: CSCI 231.

Scope: This course is a treatment of advanced topics in computer graphics with emphasis on rendering three-dimensional scenes on raster displays with antialiasing, clipping, hidden surface removal, and shading. Topics include frame buffer architectures; color lookup tables; gamma corrections; Cromenco stand-alone; raster technology terminal; scan conversion of lines, polygons, and antialiasing; 30-object representation; image processing (histogram equalization, thresholding, and edge detection); 3-D clipping; polygon clipping; hidden line removal-Roberts algorithm; hidden surface removal-Warnock, Z-buffer, scan line, and ray tracing, fractal surfaces and fractal sets; texture mapping; Gourand and Phong shading; diffuse and specular reflections; transparency and shadows; and frame buffer animation techniques.

Texts: "Procedural Elements for Computer Graphics," Rogers, McGraw-Hill, 1985, paperback (required) and "Fundamentals of Interactive Computer Graphics," Foley and VanDam, Addison-Wesley, 1982 (recommended).

PPA 530: ADMINISTRATION IN MULTICULTURAL SETTINGS (5 quarter units)

June 17-July 18, Tuesdays and Fridays, 1600-2100 (1-hour dinner break); Training Center. By: Professor Everett Mann, Jr., CSB and Professor Phillip Paris, CSB.

Scope: The theory and practice of effective management in multicultural contexts is relatively new, and is a direct result of more than 10 years of affirmative action process related to realizing a representative bureaucracy. The increased presence of ethnic minorities and women within the structures of service organizations and increased services to multicultural communities and clients have provided challenges and opportunities to management and supervisors to reassess traditional supervisory practices. This course will explore those facets of organizational supervisory practices culture which have changed or are in the process of change because of this new presence.

Note: This class fulfills the CSU Chico ethnic studies requirement and also satisfies an upper division general education requirement. However, this course does not satisfy an upper division general education requirement for the BS in Business Administration Program.

GENERAL COMMENTS

1. Textbooks are available at bookstores locally.
2. Job-related courses other than those listed above must be approved on an off-Center Training Request (DD Form 1556) before registration if NWC is expected to pay for the training. For more information contact Cecil Webb, NWC ext. 2648.



Personnel Development Opportunity

READING THE NIF 009 "DETAIL"

3 and 4 June, Tuesday and Wednesday, 0800-1130, Training Center. By: Hank Snell.

Scope: Designed to help you read and understand one of the most important reports produced by the Center's Navy Industrial Fund (NIF) financial system. This course covers the basic NIF concepts of cost center, accounting shop, job order structure, labor acceleration, stabilized rates, and applied overhead. The job order transaction cycle (commitment, obligation, accrual, and cost) is covered for labor, inventory issues; DES orders and contracts for material, services, and equipment; travel; cost distributions and transfers; and "bad charges." A financial report overview covers the CFM004, the CFM070, and the DES005 and other Center financial reports.

Deadline: 20 May.

BETTER BRIEFINGS

10 and 11 June; Tuesday, 0800-1600; Wednesday, 0800-1700; Training Center. By: M. Cartwright.

Scope: Addresses the three goals that most people have when they make technical presentations.