

CLOTA to celebrate 20 years of theater with retrospective

CLOTA will celebrate its 20 years of theater in the Indian Wells Valley with "Yesterday, Today, Tomorrow," an evening of laughter and song to be presented at the Burroughs Lecture Center, 7:30 p.m., on May 17 and 18.

Directed by Bob Huey and narrated by Florence Green, "Yesterday, Today, Tomorrow" will span the years from CLOTA's very first show — "My Fair Lady," with Ed Romero recreating his original role as Professor Higgins — to CLOTA's prospective world premiere of "Rasputin" in 1986.

Others returning to recreate CLOTA roles they originated include Jim and Lonnie Kline as the star-crossed lovers in "The King and I," Scott Miller in his award-winning title role from the 1975 production of "Jesus Christ Superstar," Greg Cote and Tim Varnhagen recreating their unforgettable Scarecrow and Cowardly Lion from "The Wizard of Oz," Tom Lehmann recreating his lead role in CLOTA's lively 1981 production of "Grease," those unforgettable kids from last year's "Sound of Music," and Rebecca Von Elm and Florence Green singing selections from "Side by Side by Sondheim."

The "Today" part of the show will be represented by selections from "Rasputin," now being written by Don Kummerman, Bill Blanc, and Paul Riley for 1986 CLOTA production. And "Tomorrow" will feature performances of songs from shows CLOTA hopes to include in its future repertoire, such as "A Chorus Line," "Annie," and "Sweeney Todd."

Huey's "Yesterday, Today, Tomorrow" script will give theatergoers more than their \$7.50's worth, with songs and dancing interspersed with demonstrations of the oft-unsung but essential "backstage" aspects of theater, such as lights, costumes, and sets.

Theatergoers will get glimpses of such capable backstage people as Al Cleland and Jim Fussner working on sets (creatively assembled from pieces of previous shows), Vivian Childers and JoAnn Hams putting the last touches on the costumes, and Ramona Bernard transforming the actors with just the right touches of makeup.

In addition to those already mentioned, the large and experienced cast includes Ken Burton, Bill and Paul Farris, Ted Fiske, Bob Huey, Alex Bellen, Elena Vitale, Kathy Schimpf, Denise Wehle, Nancy Nowak, and more.

All proceeds for this gala event will benefit CLOTA. Tickets are on sale at \$7.50 each from members of the cast and at Medical Arts Pharmacy, The Music Man, Farris' Restaurant, the Booklet, and Robert's Hallmark.



FEATURED PLAYER — John Gibson, 17, will play a Liszt piano concerto at the Desert Community Orchestra concert Sunday at 3 p.m. in the Center theater.

17-year-old pianist featured in concert at Center theater Sunday

Pianist John Gibson, 17, son of John and Toshi Gibson, will be the guest soloist with the Desert Community Orchestra in a concert to be held Sunday at 3 p.m. at the Center theater.

He will perform Liszt's Piano Concerto No. 1 in E Flat Major.

He has been in competitions throughout California, placing as a finalist in most and taking first place in the 1983 California-Nevada District Exchange Search for Talent when he was 15 years old. He won first place in both the local and regional Senior Division (15 to 19 old) and third place in the states of California and Nevada.

In the six years that the Ridgcrest Exchange Club has held this competition, Gibson was the first contestant to win first place in the regional division. He has also performed as accompanist for the chorus and concert choir for three years at Murray Junior High and one year at Burroughs High School, where he is now in his junior year. He maintains a 3.5 grade point

average.

Linda Hartzell was Gibson's first teacher when he started studying the piano at age 9. The following year he studied with Winnie Nelson, and for the past three years, he has studied with Dr. Gary Davenport, a concert pianist, in Claremont. Throughout this time, young Gibson's mother, Toshi, who also teaches piano, has been there to aid him.

He hopes to become a university teacher and a performer at concert level. Aside from his musical interests, he is an active member of New Life Fellowship, plays baseball, basketball and football, and plays chess regularly.

Other selections that will be played by the Desert Community Orchestra include "The Barber of Seville Overture" by Rossini; "Symphony No. 5" by Beethoven; and the Mexican national hymn. In celebration of Cinco de Mayo, all ushers will be dressed in Mexican costume. Tickets for the concert may be purchased at the theater office on Sunday. Admission is \$4, with a charge of \$2 for senior citizens enlisted military and students 18 and under.

Demonstrations of needle art highlight museum exhibition

The Cactus Needles Stitchery Guild's exhibit of needle art at the Sylvia Winslow Gallery of the Maturango Museum will open Sunday, with a reception scheduled from 2 to 4 p.m.

Florence Platzek will demonstrate machine knitting during the reception and Guild members will demonstrate needle art on weekends during May. The exhibit will run through May 31.

The exhibit is called "A Stitch in Time" and features items made by members of the Guild as well as those made by mothers, grandmothers and relatives that have been handed down to the present-day generation.

Display items include quilts, crocheted and knitted items such as tablecloths and afghans, crewel and thread embroidery, pulled-thread work, tatted napkins and hankerchiefs, handmade lace, Swedish weaving, cross-stitch and counter-cross-stitch, needlepoint and beaded work.

Mexican holiday on May 5 celebrates fight for freedom

All persons of Mexican heritage will celebrate Cinco de Mayo — May 5 — this weekend.

The holiday commemorates a battle in 1862 when 2,000 Mexicans under General Ignacio Zaragoza successfully battled 6,000 French soldiers. The victory so thrilled the people of Mexico that the name of the place where the battle occurred (Puebla de los Angeles) was changed to Puebla de Zaragoza in honor of their leader.

The personal representative of the Mexican President noted in a speech in Los Angeles that "Cinco de Mayo is a symbol that all people of the world — yesterday, today, tomorrow — will fight curtailment of the most beloved principle of freedom and liberty."

Movies

FRIDAY	"DUNE" Starring Kyle MacLachlan and Jose Ferrer (Science-Fiction, Rated PG, 137 min.)	MAY 3
SATURDAY	"BAMBI" (Animation, Rated G, 70 min.)	MAY 4
SUNDAY	"HEART LIKE A WHEEL" Starring Beau Bridges and Bonnie Bedelia (Biography, Rated PG, 113 min.)	MAY 5
MONDAY	"DUNE" Starring Kyle MacLachlan and Jose Ferrer (Science-Fiction, Rated PG, 137 min.)	MAY 6
WEDNESDAY	"THE PERLS OF G'WENDOLINE" Starring Tawny Kitaen and Brent Huff (Adventure/Drama, Rated R, 89 min.)	MAY 8
FRIDAY	"COUNTRY" Starring Jessica Lange and Sam Shepard (Drama, Rated PG, 110 min.)	MAY 10

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

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Square dance set

The Cactus Squares Square Dance Club will hold its Cinco de Mayo dance tomorrow at the Senior Citizens Center, 120 S. Warner St., Ridgcrest, starting at 8 p.m.

Bill Gibson from the Los Angeles area will call squares, and Chuck Ball will cue rounds. Further information can be obtained by telephoning Rick Kaspar at 375-9329.

NEX NEWS

The Navy Exchange is holding a Book Fair with a savings of 30 percent to 70 percent off May 13.

Along with the Book Fair, a Mother's Day Sale will be going on from tomorrow to May 12. Order Mother's Day flowers now to ensure the order will be in before Mother's Day.

The Retail Store would like to remind its customers that the store will remain open until 6:30 p.m. on Tuesdays.

Weekend Roundup

Tehachapi will celebrate the annual Appleblossom Festival on Saturday and Sunday, May 4 and 5.

Saturday evening the annual Appleblossom Dance will be held at Nunez Ranch, on Dennison Road, in Tehachapi. Playing at the dance, which starts at 8 p.m., will be Frank Judge and Redeye.

Sunday arts, crafts, trade and food booths will be open from 10 a.m. until 5 p.m. In addition, special events include a 5 and 10 kilometer Appleblossom Run, starting at 9 a.m. (with registration starting at 7:30 for those runners who haven't yet signed up and paid their registration fees).

Entertainment from 11 a.m. until 3 p.m. includes such outstanding acts as Big Al's Chile Heads and the Texas Two Step, the Dancing Gramas, and cloggers.

Music lovers can enjoy a concert in the park on Sunday at Heritage Village when the Burroughs High School Symphonic Orchestra, the Burroughs Chamber Orchestra and the Junior High School Chamber Orchestra will play from 1 to 5 p.m.

Although the concert is free, those who attend are asked to pledge financial support for the yearly activities and trips of these young musicians. Anyone wishing to sponsor a student for a "play-a-thon" can sign up at the concert.

Those attending are invited to bring along a picnic lunch to enjoy while they listen to the music.

Capt. A.M. Phillips assumes command of VX-5

Capt. A. M. Phillips assumed command of Air Test and Evaluation Squadron Five (VX-5) following change of command ceremonies a week ago.

The new commanding officer relieved Capt. Roger P. Flower who departed to take command of Air Training Wing Three at Beeville, Texas.

More than 100 persons attended the ceremonies held in Hanger One including Commodore D. Bruce Cargill, Commander Light Attack Wing, Pacific; Capt. K. A. Dickerson, NWC Commander and Burrell Hays, NWC Technical Director.

Guest speaker for the occasion was Capt. Paul D. Stephenson, NWC Chief Staff Officer. In his remarks, Capt. Stephenson, who was VX-5 Commanding Officer from

January of 1979 to May of 1981, said in his mind "the primary mission of VX-5 has not changed dramatically since its commissioning in June, 1951, when a group of fleet experienced tacticians were formed together to develop and provide the fleet with the most effective tactics to be used against the then known threat."

He added that the task has become more complicated because of ever-growing and more sophisticated threats. Capt. Stephenson also noted the squadron, in recent years, has been charged with operational test and evaluation of new weapons and weapons systems.

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(Continued on Page 5)

NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

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TD award

Al Green honored for accomplishments

The outstanding scientific achievements of Arold (Al) K. Green leading to an advanced semiconductor device for microwave applications earned him the Technical Director's Award.

Green, a research physicist in the Physics Division of the Research Department, was presented the engraved paperweight, letter of commendation and stipend comprising the award by Burrell Hays, NWC Technical Director, at ceremonies held in Green's physics laboratory.

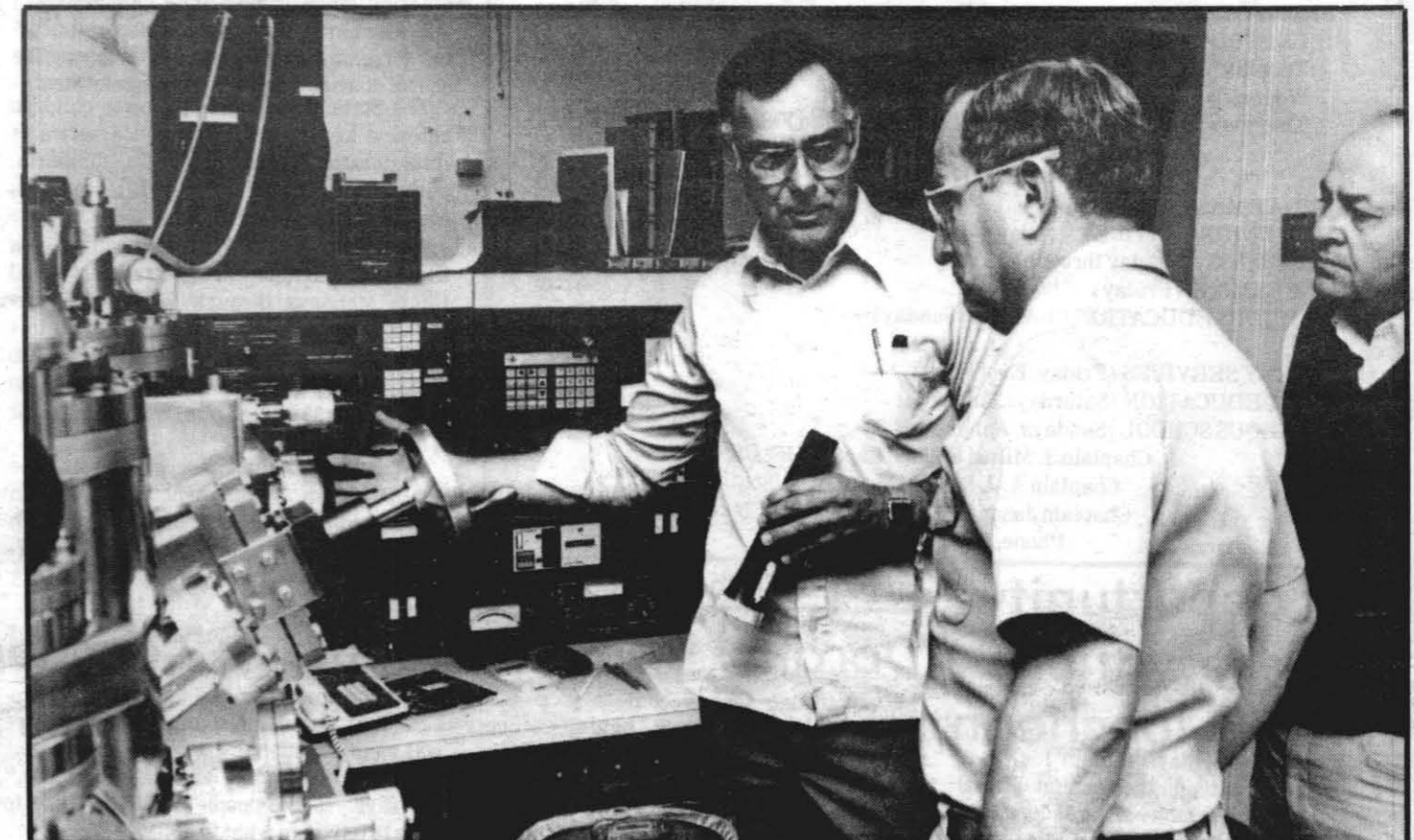
Hays told Green that his 20 years of work in the analysis of surface effects had led to a fairly significant breakthrough with a direct effect on Center programs and that the award was a way of recognizing his superior accomplishments.

The letter of nomination, signed by Dr. Ed Royce, head of the Research Department, says that beginning in 1980 Green began to study the technical problem of fabricating reliable, high-performance superconductor tunnel-junction devices capable of operating at high temperatures. These devices use a thin film of an exotic compound, such as niobium germanium, mixed with a small amount of oxygen, which is coated with an ultra-thin insulating layer.

A major technical problem has been that the exotic compound is chemically unstable at its melting point and therefore cannot be prepared by conventional metallurgical methods.

Working in close collaboration with Stanford University scientists, Green proposed a unique, original method of "capturing" the

(Continued on Page 7)



EXPLANATION — Al Green who has just received a Technical Director's Award, describes the function of some of the equipment in his laboratory to Capt. K. A. Dickerson, NWC Commander, as Burrell Hays, Technical Director, looks on.

Environmental Branch assists Caltrans with cleanup of toxic chemical spill

When a tanker truck carrying cupric sulfate overturned on Highway 14 Monday morning, the Center's personnel and equipment answered a call for help in containing the resultant chemical spill.

The truck tractor and tanker trailer, rented by Imperial West Chemical Co.,

Inc., Antioch, Calif., overturned at about 6:50 a.m. on Highway 14 between the turn-offs for Highway 178 and 395.

Driver Douglas McCord and his passenger, Dave Doogle, were taken to Ridgcrest Community Hospital by Tri-County Ambulance; they were both treated for minor injuries and released.

Before 8 a.m., Kern County Fire Department personnel telephoned NWC and requested assistance. Caltrans officially requested assistance shortly thereafter. (Such an official request is required before the Navy can commit equipment and manpower.)

Assistance was required because the tanker was filled with approximately 5,000 gallons of cupric sulfate, a toxic chemical used for algae removal. This liquid was spilling from the ruptured tanker at a rate of 15 to 20 gallons per minute, with a total spill of about 2,000 gallons.

John Salter from the Center's Environmental Branch in the Public Works Department responded to the call for assistance, bringing with him the needed equipment and personnel to pump the material off the ground as it ran from the truck.

In addition, they built a dike to contain the material in the open desert east of Highway 14 so that the cupric sulfate would not contaminate areas down hill from the spill site.

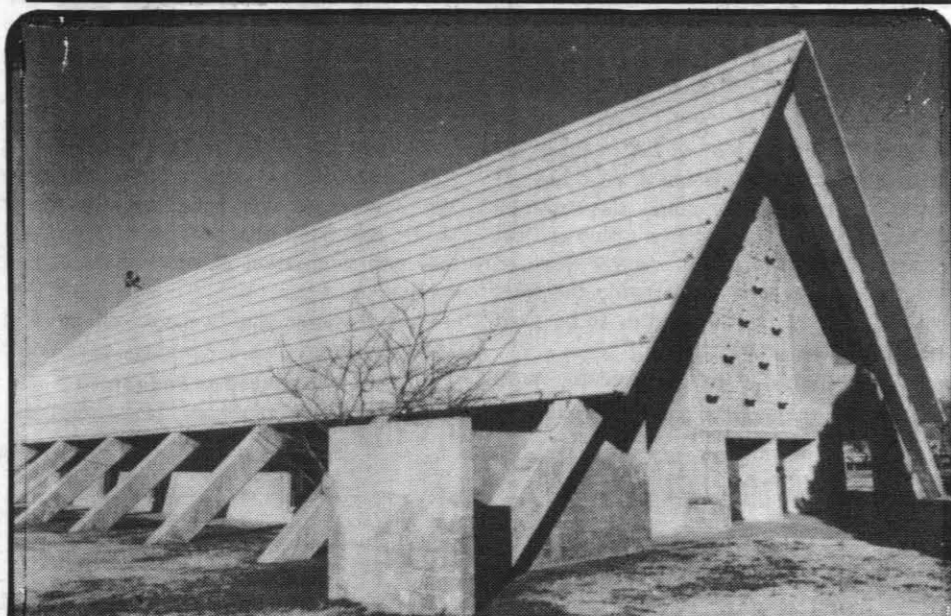
The clean-up team, IT Co., in Taft, Calif.,



CAREFUL MONITORING — John Salter, from the Center's Environmental Branch, checks pumping equipment used to clean up some of the cupric sulfate spilled when a tanker truck was demolished in the accident Monday morning.

— Photo by PH2 Rick Moore

Inside...
LHMSG visit...P-3
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Anxious anglers...P-7



Divine Services
PROTESTANT

SUNDAY WORSHIP SERVICE	10 a.m.
SUNDAY SCHOOL (Annexes 1, 2 and 4)	8:30 a.m.
BIBLE STUDY (East Wing)	
Tuesday 7:30 p.m. (Nursery provided)	
Wednesday 11:30 a.m.	
Thursday 7 p.m. Officer's Christian Fellowship Christian Military Fellowship	
ROMAN CATHOLIC	
SUNDAY MASS	8:30 a.m.
COMMUNION SERVICE (Monday)	11:35 a.m.
DAILY MASS (Tuesday through Friday)	11:35 a.m.
CONFESSIONS (Friday)	4:30-5 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday)	10 a.m.
JEWISH	
WEEKLY SERVICES (Friday, East Wing)	7:30 p.m.
ADULT EDUCATION (Saturdays, Annex 4)	9 a.m.
RELIGIOUS SCHOOL (Sundays, Annex 95)	9 a.m.
Chaplain J. Milton Collins, Capt., CHC, USN Chaplain A. J. Smith, Cdr., CHC, USN Chaplain Jason E. Knott, Lt., CHC, USN Phone, NWC ext. 3506, 3507	

Last opportunity for reservations for EEO luncheon

Only a couple of days remain for those who wish to attend the annual Equal Employment Opportunity Awards Luncheon on Thursday to make their reservations. To be honored at the luncheon are the supervisor who best represents the principles of equal employment opportunity, an employee who also represents this, an EEO program person, and the department that has made the most measurable gains in attaining the goals set forth as management initiatives by Capt. K. A. Dickerson, NWC Commander, and Burrell Hays, NWC Technical Director last June. Personnel who have been nominated for awards and their departments include Mary Moore, Code 09; Richard M. Johnson, Code 24; Frank H. Benson, Code 08; William Underwood, Code 62; Robert E. Riggs, Code 36; Henry J. Kirschieper, Code 33; Claude Brown, Code 39; Columbia Nelson, Code 62; and Bonnie Irvine, Code 31. All departments are being considered equally for the department award. The luncheon will be held from 11:30 a.m. until 1 p.m. at the Mojave room of the Commissioned Officers' Mess. The menu includes a cold buffet of meats, salads and a beverage, for \$5. Reservations can be made by telephoning Kathy Trigg at NWC ext. 2634 or 3379 by close of business Tuesday.

Employee in the Spotlight

Dorothy Dandurand enjoys 2 decades in payroll

Even though she's become a jack-of-all trades in the Center's payroll office, Dorothy Dandurand's job that she enjoys most — and has stayed with throughout her 22 years and 6 months in payroll — is that of retirement clerk. "No two histories are ever the same, so it never gets boring," she says. "For retirements, I estimate all the benefits, send the materials to Washington, and am the last audit point for anything leaving the base on a retirement." Her auditing also includes having to balance "to the penny" the \$62,000,000 in the Center's accounts for retirements. In addition, she's also the person who handles the calculations for those who served in the military after January 1957, and need to inquire about paying an additional amount to receive credit on their Civil Service retirement. Mrs. Dandurand's job keeps her very busy because she's the last audit point for every "50" action that the Personnel Department sends to payroll. These include anyone leaving the Center because of a resignation, transfer to other government establishment, or for any other reason. About 1,000 persons a year leave China Lake. From time to time, she has also served as acting supervisor or acting head of the Payroll Branch, such as heading the China Lake group part of the time last fall following the flood when more than half the

Kindergarten registration for fall now underway at school district

Registration for children who will be attending kindergarten starting next fall is now underway and will continue mornings until May 9. Parents can register their children only by making an appointment with the Sierra Sands School District, 375-4966. Children who wish to enter kindergarten next fall must be five years of age on or before December 1, 1985. Proof of age must be submitted at the time of registration. Such proof can be a birth certificate, a baptismal certificate duly attested, a passport, or a legally executed affidavit by the parent, guardian or custody of the child. Affidavit forms are available at the school district office, 113 Felspar in Ridgecrest and can be obtained prior to registration. The district nurse will check children's vision and hearing. This year students entering kindergarten at St. Ann's School will also participate in the vision and hearing screening. Parents should telephone the school district number for an appointment. The State of California requires children entering kindergarten to have a series of immunizations, including polio, diphtheria, pertussis (whooping cough), tetanus, measles, rubella and mumps. Children of military parents can receive these immunizations at the Branch Medical Clinic Mondays through Wednesdays between 7:30 an 11 a.m., and from 12:30 to 4 p.m. Thursday hours are 7:30 and 11:30 a.m., and Friday hours are 7:30 to 11:30 a.m. and 12:30 to 2:30 p.m. No appointment is necessary. Children of civilians are able to use the Public Health Department immunization clinic held on the first Monday of each month at the Ridgecrest office, 250 W. Ridgecrest Blvd., from 8:30 until noon. No appointment is necessary. All students must have a physical examination within 18 months to entering the first grade. Children of military personnel can receive this at the Branch Medical Clinic; two appointments are needed to complete the necessary examination and workup, and these can be made by telephoning the clinic at NWC ext. 2911. The Public Health Department physician in Ridgecrest also gives pre-school physicals to financially qualifying children; these are also 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. **Immunizations offered** The Kern County Public Health Department will hold its regular monthly clinic to offer immunizations to children in Ridgecrest on Monday from 9 a.m. until noon. Children aged 2 months through 17 years will be able to get their routine immunizations at the Health Department Office, 250 W. Ridgecrest Blvd., in Ridgecrest. No prior appointment is necessary, but parents or guardians need to come with the children to sign consent forms. Cost of each immunization is \$1, with a maximum of \$5 per family per visit. No credit cards, checks or large bills will be accepted; however, stickers from Medi-Cal will be honored.

Payroll Branch went to San Diego to process the payroll until the computer here was again functional. "I don't really like to be a supervisor," she says. "I like people but I don't like to have to tell them what to do." Mrs. Dandurand says that her time on board is now drawing to a close. She retired "on paper" two years ago, and is planning to change to an intermittent status in July. In that way she'll be able to help with the year-end reports, a task that she did not have the opportunity yet to teach her successor. Her off-duty time has been spend in a wide variety of ways. At times she and her husband of 38 years, Danny, have taken trips throughout the world, made possible in part because he's a long-time employee of United Airlines. "His work as head of SATO (Scheduled Air Traffic Office) has kept him from being able to get away long enough to make many of those trips in recent years," she says, "so we've taken shorter trips." The two of them used to hit the road regularly on his motorcycle also, going as far as the Black Hills in South Dakota, which both of them call home. The motorcycle was sold six years ago, but Mrs. Dandurand says she doesn't think that their motorcycling days are behind them because "Danny has still kept his leathers." She also lists crafts, camping and watching sports as hobbies, noting that she'd rather watch than play most sports. One thing — she'll not need any counseling about what to expect when she is herself processed out on retiring herself; she's the long term expert on the subject whose expertise will be much missed.



ALWAYS FIGURING — Dorothy Dandurand computes retirement benefits for all those who complete their years of NWC service.

Isabella lures many for its bass

By Mike Vradenburg
The fish are getting ready to spawn, and fishing is at its best at Lake Isabella. Numbers of large bass are being caught, limits of trout are being taken, catfishing is very productive, and crappie are starting to be caught in the south end of the lake. The lake is rising, and the water is warming. The spring run off changes the chemistry of the lake, and this signals the trout it is time to spawn. The trout are being caught where the north and south forks of the Kern River enter the lake, and along shore where the streams and springs enter the lake. Most trout being caught weigh between 1 and 2 pounds, but a few are weighing in at over 3 lbs. Anglers are using nightcrawlers, cheese, and the marshmallow/red salmon egg combination for bait. Bass fishing is red hot, and most bass being caught are weighing over two pounds. Local bass fisherman routinely catch bass that weight between 5 and 10 lbs. The most active areas to fish are Camp Nine, Lime Dyke, Joughins Cove, and Gautche Point. Most anglers fish with nightcrawlers, waterdogs, crayfish, minnow-shaped plugs (gold, silver, fluorescent), and rubberworms (purple, brown, motor oil green). Numbers of channel and white catfish are being caught in the south end of the lake. Anglers fishing for catfish use nightcrawlers, clams, anchovies, and mackerel for bait. The most productive time to fish is in the morning and evening. In stormy weather the wind blows all day long, but normally the local breeze does not start until three in the afternoon. And, when the wind starts fishermen move into protected coves and continue fishing. **Nine-Mile is poor** Anglers and boondockers who want to head into Rockhouse Basin should approach it from the Long Valley approach rather than from Nine-Mile Canyon, according to Department of Fish and Game wardens. The road in from Nine-Mile Canyon is in very poor condition; several who tried driving that way during the past week have had to be towed out. In addition, driving is only permitted as far as the cattle guard, at which point the area becomes wilderness and no motor vehicles are allowed.



FISHING FUN? — Convict Creek, just below Convict Counties for the opening of the general trout season Lake was teeming more with anglers than trout as last Saturday. The man in the middle of the pool thousands of anglers swarmed to Inyo and Mono seemed to have the best luck on opening day.

Anxious anglers flock to water

Thousands of anglers jammed their way into Inyo and Mono Counties last weekend for the annual Sierra trout season opener. As usual Crowley Lake was the hot spot, attracting an estimated 20,000 anglers on opening day. Gull Lake, in the June Lake Loop, was also one of the hot spots with several lunker trout taken out in the first two days of the 1985 season. Other areas in the high Sierra producing well were Twin Lakes near Bridgeport, Convict Lake and the upper Owens River. Now that the opening day rush has died down and warm weather prevails, brown trout in streams below the 6,000 foot level will provide good sport for anglers. The browns in the streams aren't lunkers, but they're good eating. The Owens River, below Pleasant Valley Reservoir also yielded many limits of good size rainbows. Limits were common last week on both Big Pine and Taboose Creeks. Virginia Lakes and other high country lakes remain frozen and snow covered. Lakes below 8,000 are ice free and being planted with catchable size trout on a regular basis. Fishing for bass in the lower Owens is also good so long as warm weather hangs around and high winds don't return. Visitors to the Sierra region should expect crowds at the most popular spots, such as Crowley, Convict and Twin Lakes and the Upper Owens at Benton Crossing. Bishop Creek is another popular location as are lower Rock Creek and Rock Creek Lake. Inyo County campgrounds are open for the season as are most Inyo National Forest campgrounds below the 8,000 foot level.

Youth Soccer League action continues . . .

(Continued from Page 6)
the Timbers. Doug Harris also had a strong game and David Flower led the defenders. Doug Banks made three saves as Timbers' goalie while he and Chris Blevens led the defense. Chad Shedlock was the top offensive player in the loss. **Division 3**
Surf 1, Rogues 0
Jim Nelson in goal for the Surf keyed the victory with his play. Jimmy Ball, with an assist from Danny Moldenhauer scored the only point of the game. The Rogues got a good offensive effort from Joe Buckley and Alan Stevens. **Tornadoes 3, Kicks 2**
Matt Mann accounted for all three goals in the win. He got assists from Ted Mechtenberg and Larry Flores. Jotham Schwartz also played a strong offensive game. Loren Letsche and Breidan Ledden scored for the Kicks. Both teams moved the ball well and developed strong attacks in the lopsided loss. **Division 4**
Lasers 3, Bandits 1
Richard Flores, Andrew Higgins and Todd Henderson took care of the scoring for the winners. Flores was the top offensive player and Chris Chambers led the defenders. Dean Waldren, with an assist from Danny Hobson, scored for the Bandits. Bobby Pollard was the leading defender for the Bandits. **Bandits 3, Hotspurs 1**
Ivan Chirinos' penalty kick was the only goal scored by the Hotspurs who got a strong defensive game from Patrick O'Donovan.

Two yoga classes offered in May to improve flexibility and balance

Two yoga classes will be offered during the month of May for those who'd like to improve their flexibility, balance and posture through the practice of yoga. In addition, yoga will reduce stress levels and improve a person's overall state of well-being. The first class will be held Mondays and Wednesdays from 5 to 6 p.m.; second class meets from 11:30 a.m. until 12:30 p.m. on Tuesday and Thursday in May. Both classes will meet at the gymnasium annex, and showers will be available to all students. Cost of either class is \$16 per person, and students should bring their own mats. The gym annex has accessibility for handicapped. Anyone seeking further information should telephone Nancy Hinman, who instructs both classes, for further information at NWC ext. 2334.

NWC Rocketeer

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Boston Marathon proves attractive to Joe Oliver

Joe Oliver had to be sure he sent income tax returns in early this year since he found himself in Boston, Mass. on April 15 for an event with no connection at all to the IRS.

Oliver, Production Manager for Sidewinder at NWC, was busy on April 15 running the Boston Marathon. He covered the 26 miles plus in 3:09:28, not his best time for this endurance event, but far from his worst.

Boston was his fifth marathon in a running career that extends only about five years into the past. His best day for marathon running was in Bakersfield when he was clocked in 2:57, well below the 3:10 time needed to qualify for the over-40 division in Boston this year.

Oliver, who started running when his daughter, Kim, wanted someone to run with, recalls April 15 with a lot of fondness. It was, he noted, a completely different experience with 26 miles of spectators cheering all the runners on.

With more than 5,600 official entrants and uncounted unofficial runners, Oliver noted it was nearly a minute after the starting

gun before he could even move forward. It took three miles before Oliver was able to start running at a comfortable pace and a full five miles into the marathon before the throng of runners had spread out enough that passing and moving up in the field was easy to do.

While it was a well organized race and Oliver found it exciting to take part, he noted it was difficult to run a good time because of the warm weather and the sheer size of the field. At no time in the more than 26 miles did he reach a point where he could see anything in front of him but a sea of runners.

"I'd been anxious to run a large marathon, to see what it was like," said Oliver of his decision to enter.

Boston, one of the oldest and most prestigious marathons for amateur runners, was his top choice. Oliver noted it was the last major marathon to remain more or less non-commercial in nature. There were few world class runners on hand because the race committee will not pay prize or appearance money to top runners.

The Ridgcrest resident wasn't interested in prize money, he wanted a good time, less than three hours, but he knew before the start he would probably miss that goal.

While his daughter has given up running, Oliver stuck with it. Today his 10-year-old son, Mike, frequently runs with him and has entered several local races.

After a couple of years of running in 10-K races he decided he would like to try longer races and started training for marathon distances.

Normally Oliver puts in 45-50 miles of running each week. But when he begins training for a marathon, distances increase. A routine week for about the last eight weeks before a marathon finds Oliver running 65-70 miles a week with a long 20-mile run on Saturday.

Because Boston is noted for a stretch of hilly terrain for about five miles, including "Heartbreak Hill," Oliver changed his routine to build endurance for hills. On his long Saturday runs he would finish 20 miles at the foot of College Heights Blvd. then run up the hill for a finale.

Boston was a great experience but Oliver isn't sure he wants to do it again.

"If," he noted, "there was a group of runners from the area going back I might go back," he added. And, Oliver would want his wife, Pat and the rest of the family, Kim, Mike, and Scott (his golfing partner) to be able to make the trip as well.

With five marathons now under his belt, Oliver figures to take it easy at least until fall. He may enter a marathon in Southern California late this year.

Don't overdo it is his advice to beginning runners. For older first time runners Oliver strongly recommends they get a complete physical exam before starting. "Don't try to run too far or too many days in a row when first starting," said Oliver.

He credited his experience in the Indian Wells Valley with helping him get ready for the big one. "This is a great area for running," commented Oliver. The people, the weather and the Over-The-Hill Track Club all help make this a runner's area, he noted.



Sports

Scorpion standings slide following loss to Riverside

Saturday's 2-0 loss to Riverside dropped the Ridgcrest Scorpion Under-19 Soccer Club into fourth place in Inland Empire Youth Soccer League standings.

A pair of first half goals were all the home team needed to put away a Scorpion team that lost five players for various reasons since the start of the season.

After a shaky start, that saw both goals within the first 45 minutes, the Scorpions played solid defense in the second half.

Doug Dragovich, starting his first game in goal, also settled down after the half. He made a diving save to bound away one shot

and keep Ridgcrest close in the clash. Bill Hugo and Jon Banbridge missed shots on an empty Riverside goal in the second period as the Scorpions simply could not generate a strong offense.

With the victory, Riverside moved into a first place tie with San Bernardino's Cosmos in loop standings.

Tomorrow (Saturday) the Scorpions return to the road for a clash in Redlands with the Rangers. Next week they close out regular season play with a home game against Rialto blast, currently holding ninth place in the 10-team league.

China Lake Little League opens 1985 baseball play for youngsters

China Lake's 1985 Little League season opened last Saturday with Ens. Martha Vanderkamp, representing NWC, throwing out the first pitch.

In the first game of the new season the Yankees ripped the Red Sox, 6-2.

Games played this Monday found the Tigers stopping the Yankees 4-1 in the major division and the Royals beating the Padres in minor division play.

Next week T-ball action will get underway for the younger set.

Games are played at NWC Diamonds 3

and 4 and in Inyokern. Games start at 6 p.m. nightly.

Mary Moore, league president, said they are still seeking volunteer umpires for this season. Anyone interested can call her at 446-2914 after 5 p.m. or contact her at one of the ball fields.

Monday the Tigers face the Yankees.

In major play next week the Dodgers face the Yankees on Monday, Tigers face the Red Sox on Tuesday and the Dodgers on Thursday while the Red Sox and Yankees meet in Inyokern on Friday.

Youth Soccer action continues as schedules are nearing the end

Now six weeks into the season, action continues for three more weeks in NWC Recreation Youth Soccer League's four divisions. The season ends with games on May 18.

Division 1

Eagles 1, Fury 1

Jeff Brown notched the only goal for the Fury squad in their tie game with the Eagles. Chris Peterson was named top defensive player of the contest.

Express 3, Chiefs 1

Brandon Rivera and Mike Fredrick led the offensive performance for the Chiefs and Rivera got the lone goal. Daniel Shy and Jason Russell were among the leading

defenders for the Chiefs in the loss.

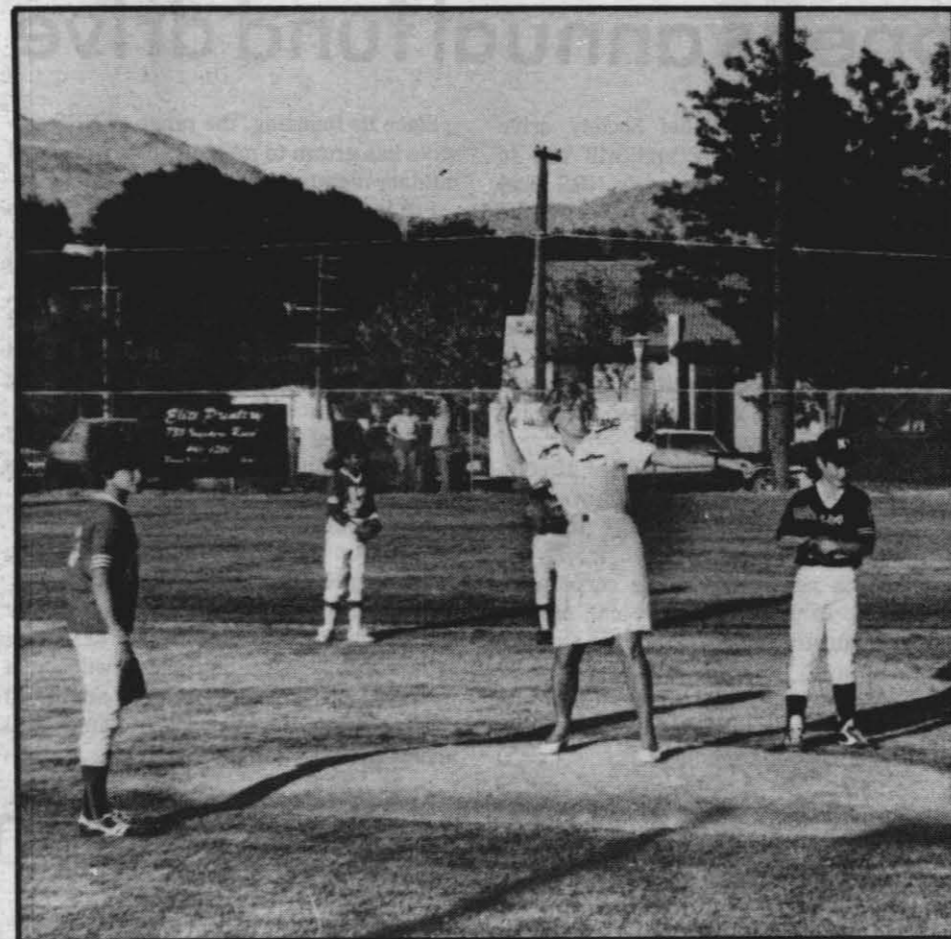
Cobras 7, Owls 0

Greg Solem notched three big goals. Greg Greedy and Mike Hobson added two goals each for the winners. Melissa Murphy keyed the defense. With only seven players, the Owls were no match for the Cobras. Edward Guerra, Melissa Frazier and Jeff Janson were leading players for the Owls in the loss.

Apollos 1, Coyotes 1

Glen Baker notched the lone Apollos goal while Joe Mechtenberg scored the Coyotes. Mechtenberg and Colby Begin led the Coyote offense and Jeff Lubben starred on defense. Paul LeBlanc joined Baker on off-

(Continued on Page 7)



FIRST PITCH — Ens. Martha Vanderkamp, representing the Naval Weapons Center, throws out the first pitch of the 1985 China Lake Little League season. All teams in the league took part in opening day ceremonies and a Major Division game followed. — Photo by PH2 Rick Moore

Aerobic courses offered

Any man or woman over the age of 18 who'd like to get into good shape for the summer can enroll in either of two aerobic courses offered by the Recreational Services Department starting next week.

One class will meet on Tuesday and Thursday mornings from 8 to 9 o'clock starting next Tuesday and running through

May 30; the other class will be on Mondays and Wednesdays from 5 to 6 p.m., starting Monday and running through May 29. Both classes will meet at the Youth Center.

A registration fee of \$12 for either class can be paid at the gymnasium. Anyone seeking further information should telephone NWC ext. 2334.

Track club readies annual Inyokern 10-mile road race

Preparing for their biggest event of the year, members of the Over-The-Hill Track Club hope to have 200 or more runners taking part in the 10-Mile Inyokern Run on Sunday, May 5.

This is the 11th Annual Cinco de Mayo Inyokern Road Race sponsored by the OTHTC. Runners start at 8 a.m., running on Highway 395 to finish at the Inyokern Park. Trophy dash entrants leave the starting point at 8:30 a.m.

Registration remains open next week

OTHTC members can enter for \$10 while non-members pay a \$12 entry fee. All preregistered runners will receive a race T-shirt when they finish.

Times will be given at the one and five mile marks and there are three water stops on the route.

Check in and late registration on race day starts at 6:50 a.m.

Call Scotty Broyles at 446-2941 for additional information on this annual road race.



The Skipper Sez...

QUESTION

Military — Skipper, I've heard a rumor that they are going to move a fourth person into each of the rooms in the BEQ so that there'll be more transient barracks.

If you've ever been in any of the rooms, even three people are really crowded with all the built in lockers and all, especially if you've got a television set of your own or anything like that. There just isn't any room. And with four people to a room, you're going to have a lot of friction because that's too many for a room that size.

We're not able to live in town if we're single — so we're stuck even if we're stuffed in like a bunch of cows in a cattlecar. Please tell us it isn't so!

ANSWER

It isn't so.

QUESTION

Retired Military — I'd like to know why, on a military installation such as China Lake, the head of Special Services has directed that the American flag be taken down and not be put back up. Sir, I'm talking about the bowling alley. The flag was taken down with directions not to be put back up.

ANSWER

The flag at Hall Memorial Lanes was not hung in an appropriate manner. It was attached to the curtain of the west hall in such a manner that it was decorative rather than hanging free. Therefore, it was removed and should be reserved for special occasions or programs where proper tribute (such as the pledge of allegiance) and respect can be paid. Basically, we were in violation of Public Law 829 77th Congress, and took action to correct the problem.

QUESTION

Civilian — What address should someone use to be the most efficient about receiving mail? I mean, should you address it to Naval Weapons Center Code, or Commander? Or what is the extra address that we should use to get mail to us the fastest?

ANSWER

Official mail should be addressed: Commander, Naval Weapons Center, Attn: Code _____, name, China Lake, CA 93555-6001.

QUESTION

Military — I just wondered, what is the possibility of getting the road that goes toward the stables graded? I noticed that a lot of trailers are going up and down that road. Horses are having a hell of a time trying to stand up in the trailers. I know because when I brought one of my horses, I had problems with the horse going down in the trailer twice, and that was even at a reduced speed. With that road in that kind of shape, it definitely needs to be graded. Thank you.

ANSWER

I agree with you. The road has been graded.

All China Lakers, including military personnel, civilian employees, and their dependents are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. K. A. Dickerson. Please call NWC ext. 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.

Get new view of projects, programs

Triservice Laser Hardened Materials, Structures Group meets at NWC

The Triservice Laser Hardened Materials and Structures Group (LHMSG) met last week at NWC. Nearly 60 people, representing leaders in the DOD laser community, attended the three-day meeting.

They not only learned of the Center's wide-ranging capabilities, but also got a look at four different aircraft with electro-optic systems installed and reviewed a simulation of a naval engagement in the Weapons and Tactics Analysis Center (WEPTAC).

The LHMSG oversees the Department of Defense programs directed at developing materials and structural systems that are hardened against laser radiation. It also oversees the development of technology for personnel protection and the protection of optical-electro/optical (O-E/O) sensors that are part of many DOD weapon systems.

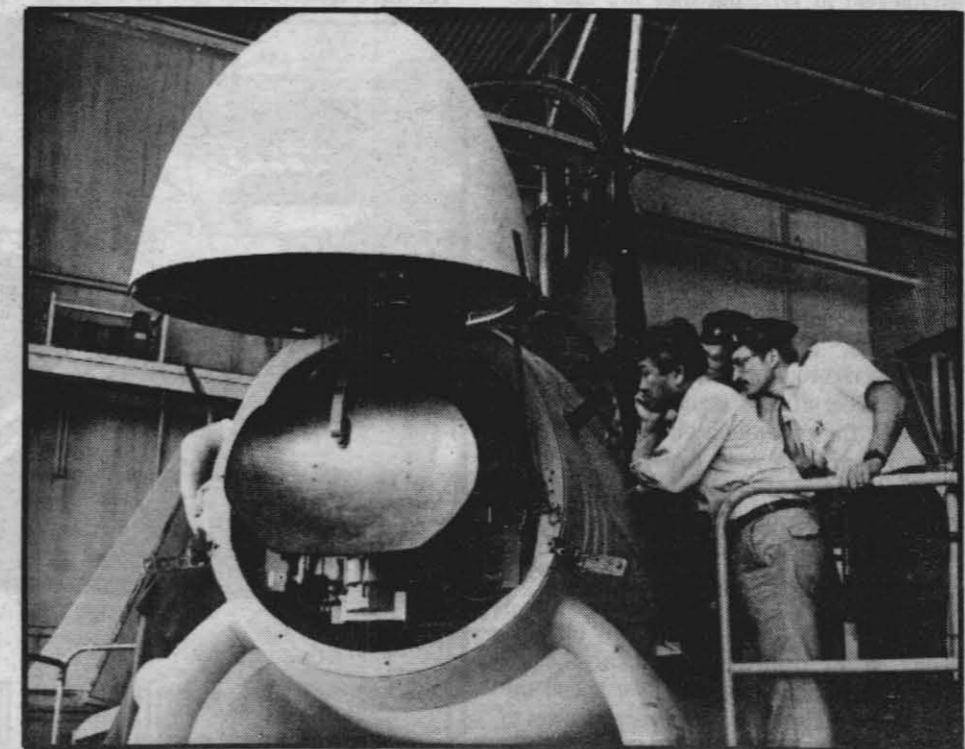
Chaired by Dr. Jerome Persh, Office of the Under Secretary of Defense Research and Engineering (Research and Advanced Technology), the group meets twice each year. At NWC were 16 Army personnel; 27 Navy, of which 20 were from China Lake; 13 Air Force; two from the intelligence community; and Dr. Persh.

Last week's meetings began with a welcome to the Center by Capt. P. D. Stephenson, Chief Staff Officer, and presentation of a Center overview by Matt Anderson, Head of the Fuze and Sensors Department. The

Fuze and Sensors Department hosted the meeting. The six sessions of the conference covered intelligence, structures group report, FY86 program plans, O-E/O

technology, special topics and an executive session.

At the conclusion of the O-E/O session, chaired by Conrad Driussi of NWC, the group was taken to Armitage Airfield



FASCINATED — Jiro Adachi, of the Army Mechanics and Materials Research Center in Watertown, Mass., and other members of the LHMSG look at systems installed in various of the Center's aircraft.

where they inspected Forward Looking Infrared (FLIR) on both the A-7E and F-18 aircraft; Target Recognition and Attack Multisensor (TRAM) on an A-6E aircraft; and the Angle Rate Bombing System (ARBS) on an A-4M aircraft.

In addition, the group also saw flight test films of systems in operation.

The airfield visit was made possible and coordinated by Nick Schneider, Associate Head of the Aircraft Weapons Integration Department.

On the afternoon of the following day, the group was briefed on WEPTAC and Project ILENE (Implications of Laser Employment in a Naval Engagement), focusing on how WEPTAC is being used for threat assessment studies to determine the implications of introducing laser threats into a naval engagement.

The group then observed the Project ILENE Open Sea Engagement Scenario running on the WEPTAC computer.

Both "field trips" were enthusiastically received by the LHMSG. One member of the group commented that "You can only see so many viewgraphs, but you have to see the actual hardware to appreciate the problems involved."

The Center personnel who presented papers during the meeting including Dr. Don Decker, George Goetz, Dr. Kent Bullock, George Mason, Dr. Denton Marrs, Mark Morran, John Knecht, Terry Haven and Roy Randolph.



EXTRA EFFORTS APPRECIATED — James Dorrell receives congratulations from Capt. K. A. Dickerson, NWC Commander, as the Skipper presents Dorrell with the Commander's Award for Mission Support. — Photo by PH2 Rick Moore

Dorrell wins Commander's Award for establishing software classes

When the Center needed software courses geared to a specific software philosophy and found that staffing for these did not exist in the public market place, James L. Dorrell from the Cruise Missile Program Office coordinated the development of such courses and actually conducted 10 of them himself.

This unusual effort, which resulted in approximately 250 NWC personnel receiving training during the past year, earned Dorrell the Commander's Award for Mission Support.

When Capt. K. A. Dickerson, NWC Commander, presented the engraved paperweight, letter of commendation and stipend comprising the award to Dorrell at Monday morning's Commander's Meeting, the Skipper commented that this was a very unusual Commander's Award.

"This is the first award for such an aspect of training," he noted, "but the work done certainly rates this, the highest award that I'm able to grant."

Dorrell said that "I didn't feel that I was doing anything more than my job when I set up and taught the classes. I'd like to express my appreciation to all those who helped with the effort."

The courses that were established dealt

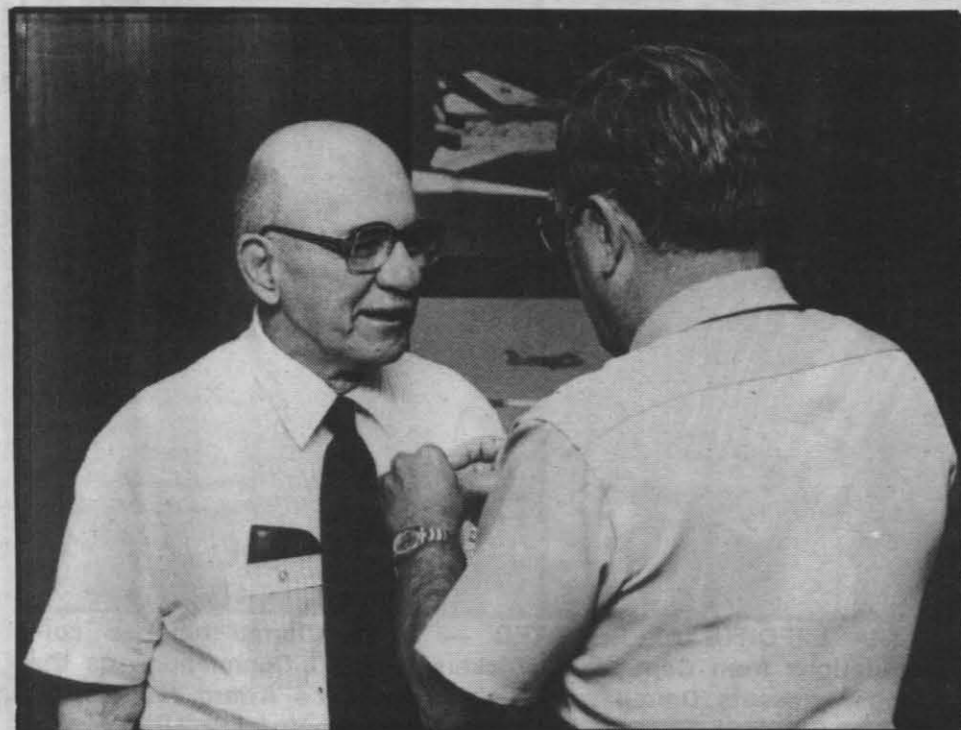
with the software development process, software documentation, software configuration management, software quality assurance, and software management for the Technical Manager Curriculum.

Dorrell spent approximately 25 man-days, not including preparation time. He taught approximately 250 Center personnel, from whom he consistently received excellent student evaluations. In addition, in a follow-up evaluation survey, students reported that they are applying what they have learned and perceive benefits from the application.

This critical and mission-essential effort was not addressed in Dorrell's performance plan, and was above and beyond his job requirements.

Dorrell, an engineering data management specialist, also received a Technical Director's Award last year for his exceptional performance. He worked for a contractor in the local area for several years before coming to work for NWC a little over 10 years ago.

Since that time, he has had a long-term training assignment in Washington and has worked elsewhere for the Navy, returning to China Lake in 1980.



SERVICE HONORED — Capt. K. A. Dickerson, NWC Commander, pins a 40-year federal length of service pin on Lawrence Mason in recent ceremonies held in the Skipper's office. — Photo by PH2 Rick Moore

Lawrence Mason receives pin for 40 years of government service

A 40-year Federal Length-of-Service Award was presented on April 18 to Lawrence R. Mason, a retired Accounting Technician in the Office of Finance and Management.

Presentation of the 40-year pin and certificate was made by Capt. K. A. Dickerson, NWC Commander, during a ceremony in the Commander's Office.

Mason's 40 years of service with the government began on October 28, 1943 when he was hired as a Storekeeper (Foreman) in the District Public Works Department of the Navy Yard in Pearl Harbor, Hawaii. While assigned to the District Public Works Department he held two other positions as Joiner and Joiner (Snapper).

Then in May 1945 he transferred to the Supply and Fiscal Department (then the Supply Department), Naval Air Station in Barber's Point, Hawaii as a Joiner (Snapper) where he worked for over 11 years. During Mr. Mason's assignment in the Supply and Fiscal Department, he worked as a Storekeeper (General), General Supply Assistant, and a Supervisory General Supply Clerk.

Mason left Barber's Point, Hawaii to

start work at the Naval Weapons Center (then the Naval Ordnance Test Station), China Lake, California in January 1956. He worked in the Supply Department as a Stockman and was given a promotion in November 1959 to Inspector (General Equipment). He continued his work in the Supply Department for over 18 years.

Then in March 1983, Mason was reassigned to the Office of Finance and Management where he worked as an Accounting Technician until his retirement in April 1984.

During his career, Mason received two Special Act or Service Awards, two Sustained Superior Performance Award, four letters of appreciation, and more than 25 Beneficial Suggestion Awards. He was also the recipient of the Golden Shoe Award (1968) and a member of the Employee Services Board.

Mason and his wife, Martha, reside in Ridgecrest.

Center's elm trees to receive treatment for beetle infestation

Elm leaf beetles enjoy the many beautiful old elm trees around NWC fully as much as residents and personnel of the Center. Many of the trees in the main site area including housing show signs of an infestation that calls for treatment which will begin in mid-May.

The elm leaf beetle lays its eggs in the ground around the trees. When these hatch, the pupae crawl up the trunks to feed on the leaves (presenting a lacy look for the leaves). The pupae turn into beetles, which lay eggs and start the whole cycle again.

A conservationist from the State of California has inspected trees on the Center (not just for the elm leaf beetle, but also for other problems) and suggested which trees would need to be replaced and which could be treated. The first spraying was done last summer.

By treating infested trees, the life expectancy of these trees will be enhanced so that they can be replaced gradually rather than having a number of trees in any one area all die simultaneously, leaving an area without shade or the beauty of the green trees.

The trees that require treatment will be sprayed with a state-approved material

that will be applied by a licensed pest control technician. The same material has been used successfully on trees at Edwards Air Force Base by the same contractor for the past eight years without any problems having developed.

To ensure that no problems will develop, not only will tenants whose trees will be sprayed receive a notice in advance of this spraying, but also their neighbors will be notified. If weather conditions don't permit spraying on the appointed day, another letter will be sent to announce the new date for spraying. Spraying will take place between 7 and 11 a.m. on the date listed in the letter of notification.

Tenants will be asked to keep dogs and children inside for at least one hour after the conclusion of the spraying. They will also be asked to remove all toys from the yards, not to have clothes hanging on the clothesline, and to move any cars parked in the driveway or yard.

As part of a long-range landscaping plan for the Center, an annual tree survey is planned to determine what can be done to protect the well-established trees, and to replace those that need replacing with long-lived trees appropriate for the desert area.

Bjorklund management innovator award nominations being sought

Nominations for the R. W. Bjorklund Management Innovation Award are again being sought by the East Kern County Chapter of the American Society for Public Administration.

The award was established in honor of the late R. W. Bjorklund, who was head of the Center's Central Staff (now the Office of Finance and Management) at the time of his demise. It is awarded annually to the manager or individual who demonstrates an imaginative, risk-taking approach to alteration and improvement of the management process.

Those eligible for the award are line and staff public employees of local, state, and federal government, local school districts and public service organizations in the Indian Wells Valley, who have made a

significant innovation in management processes or community related management functions.

While the achievement should be fairly recent, it need not have been carried out within the past year.

Qualifying achievements include initiation of new management ventures, advancement of community-related projects, innovation in management techniques, creation of a more effective organizational structure, and improvement of employee motivation or development.

Anyone may submit a nomination. Nomination forms can be obtained from George Linstead by telephoning NWC ext. 2305. Nominations must be mailed to ASPA, 609 W. Wildrose, Ridgecrest CA 93555, by May 31.

China Lake officers score high at Police Academy

China Lake police officers Ron Lewis, Allan King, and John Griffith are proud graduates of the basic Police Academy at the Federal Law Enforcement Training Center in Glynco, Georgia — and China Lake police chief Jim Brown is equally proud of them.

Not only were they the first CLPD officers ever to attend the training, established in 1972, but they are also the first DOD federal police to take such training. And all three scored in the top 10 percent of their 48-person class.

Other federal officers attending the course included border patrol, Secret Service, U.S. marshals, Central Intelligence Agency personnel and capitol police.

The course of study included criminal law, constitutional law, evidence, crime scene, cardio-pulmonary resuscitation, driving training for hot pursuit, a "shoot-don't shoot" course as well as marksmanship, and rigorous physical training.

The three officers commented that just carrying the mammoth pile of books they were required to read through and study was in itself good physical exercise. Each brought back a pile of manuals bound in mammoth binders. "Our first purchase each was book bags to carry them," said Officer Griffith.

The three officers said that they felt that being so far from home probably helped with their studies because "we spend the weekends studying, but everyone else got to go home. We were just too far away from that."

When asked to what they attributed their outstanding scores, they commented that these were the results of a lot of studying,

paying close attention, and taking thorough notes. "And the instructors were great," they added.

Chief Brown says that the FLETC is one of the most prestigious police academies in the country. It provides followup classes in addition to the basic police training, for which these officers will be eligible.

All three officers also feel that their own

law enforcement backgrounds enabled them to get the most out of the course. Lewis has been a member of the CLPD for 18 months, but also spent three years in the Air Force Security Police. King has served with the CLPD for three years, and Griffith has been on the force for 16 months. Griffith also spent 9 years as a military policeman, as well as serving as a private officer in an executive protection program.



PROUD GRADUATES — China Lake police officers Allan King, John Griffith and Ron Lewis recently completed the basic Police Academy course at the Federal Law Enforcement Training Center in Glynco, Georgia, graduating in the top 10 percent of their class.

VX-5 command passes to Capt. Phillips . . .

(Continued from Page 1)

Phillips told his new command that he was committing "my future energies and yours, to VX-5's continued emphasis on doing the basics right so that this squadron can continue to excel in that, that you do so well, the prosecution of our primary mission."

Capt. Phillips noted the squadron should address the basic tenants of professionalism such as: "leadership, flight discipline, ground and flight safe-

ty, retention, advancement and sound management practices."

"Our mission at VX-5 is to help ensure that Naval Strike Aviation is ready to play its part in keeping America free from the blight infecting the other parts of the world. I am satisfied that over the past two years we have carried out our mission successfully and with distinction," said Capt. Flower in his final remarks as command-

ing officer of the squadron.

"Testing has resulted in good news and bad news. But even the bad news is a success for VX-5 and the Navy because it allows CNO to make the hard decisions which keep our Navy strong and progressing in the right direction," added Capt. Flower.

VX-5 has been a fixture at China Lake since July, 1956. Capt. Phillips became the

twenty-first commanding officer when he relieved Capt. Flower at about 10:30 a.m. last Friday.

Capt. Phillips came to VX-5 and China Lake from duty as Air Operations Officer for Commander, Carrier Group One. He is married to the former Renee Miles of Woodbury, New Jersey. They are living aboard the center with their sons Curtis, Ryan and Kent.



Military News

Navy Relief Society opens annual fund drive

The annual Navy Relief Society drive begins next Wednesday and will run to Thursday, June 6. Last year's NRS fund drive netted \$16,600 at China Lake, but the local NRS office made loans and grants in excess of \$37,000.

The money loaned and granted by the China Lake branch included \$10,700 for emergency leaves and nearly \$6,000 in loans for dentistry. In addition, 22 layettes were given to those who qualified to receive the essential baby items.

All money donated to NRS goes directly into providing services; the NRS overhead is covered by funds that were invested many years ago.

NRS is a non-profit private corporation dedicated to helping Navy and Marine Corps members and their families through times of need. Founded on the proceeds of the Army-Navy football game of 1904, its original purpose was to assist the families of deceased service members.

Since its founding, the range of NRS services has grown to meet the many needs of military members and their dependents.

For instance, NRS provides loans to help with travel expenses for emergency leaves, provides loans for essential medical and dental care not covered by CHAMPUS, provides loans for unexpected car repair if the car is essential for transportation, and provides loans to help with essential living costs when checks are delayed or lost.

Navy Relief also helps with the cost of funerals for family members — and on the more upbeat side, helps with military tuition assistance and student loans for dependents. Many other needs are also covered by NRS loans and grants.

Chairing this year's fund drive locally are LCdr. Richard Bruce and Lt. Brice Hammerstein. Assisting them will be a number of key personnel scattered throughout the Center, whose names will appear in next week's Rocketeer.



VX-5 SKIPPER — Capt. A. M. Phillips (left) reads his orders that direct him to take command of Air Test and Evaluation Squadron Five during change of command ceremonies last Friday. Capt. Roger P. Flower, the outgoing commanding officer (right), listens as the orders are read.

New GI Bill will affect many now on active duty

The new GI Bill becomes effective July 1, 1985. The following breakdown explains how the bill may affect you:

People with Vietnam-era GI Bill eligibility (entered on active duty before Jan. 1, 1977): The 1989 termination date remains in effect. Eligible personnel who do not have a break in service since Dec. 21, 1976 and who remain on active duty until June 30, 1988 will convert automatically to the new GI Bill on Jan. 1, 1990.

After Dec. 31, 1989, new GI Bill benefits

will be available at a rate of \$300 per month, plus one-half the amount of eligibility under the Vietnam-era GI Bill as of that date, for a maximum of 36 months. Eligibility will continue for 10 years after release from active duty.

Members with Veterans Educational Assistance Program (VEAP) eligibility (entered on active duty from Jan. 1, 1977 to June 30, 1985): deadline to enroll initially in VEAP is June 30, 1985.

Once a person is enrolled, contributions

can be made any time while on active duty by allotment or lump sum payment up to a maximum of \$2,700. The Navy will match the contribution on a two-for-one basis. People eligible for VEAP are not eligible for the new GI Bill.

Non-prior service members entering active duty from July 1, 1985 to June 30, 1988: These people will be enrolled automatically in the new GI Bill unless they elect not to take part within the first two weeks of active duty. Participants will have a non-

refundable \$100 per month deducted from their pay for the first 12 months of active duty. Benefits are \$300 per month for 36 months for three-year enlistees or \$250 per month for 36 months. Naval Academy or NROTC Scholarships graduates commissioned after July 1, 1985 are not eligible for the new GI Bill.

Members in the Selected Reserve (SELEERS): People who meet the eligibility requirements are entitled to SELEERS GI Bill at a rate up to \$140 per month for 36 months without a deduction in pay.

BOOST provides new avenue to commissions

WASHINGTON (NES)...If you believe you have skills to get a college degree and become a naval officer, but your high school record doesn't qualify you for a Navy scholarship, BOOST may be for you.

The Broadened Opportunity for Officer Selection and Training program prepares up to 400 sailors and civilians every year for Naval Reserve Officer Training Corps scholarships to civilian colleges and universities, or appointments to the U.S. Naval Academy in Annapolis, Md.

BOOST is primarily an affirmative action program, and 75 percent of the people selected for the program are minorities. The ratio of men to women in the program equals the ratio of men to women in the fleet — roughly 10-to-1.

"This program is the No. 1 source for minority officer accessions in the fleet," said Lt. Thomas Wesley, chief of naval operations' assistant for BOOST. "BOOST students are some of the most enthusiastic

people I have ever met in my naval career."

Located in San Diego, the BOOST school is an intensive one-year college preparatory program designed to improve individual Scholastic Aptitude Test scores. Students' test scores have increased by as much as 200 points or more after completing BOOST.

There are strict requirements to enter the BOOST program. You must be between 17 and 21 years old. Applicants interested in going to the Naval Academy must be under 21 on July 1 of the year they enter BOOST. NROTC applicants must be under 21 on March 21 of the year they apply to BOOST. The Navy will grant a month-to-month waiver, up to a maximum of 27 months, for active-duty sailors over 21.

Other BOOST requirements are: Be a U.S. citizen; meet the physical standards for NROTC scholarship programs; have no record of a court-martial or conviction by a

civil court for anything other than minor traffic offenses; and you must provide scores from your Scholastic Aptitude Test or American College Testing Program. Applications without test scores cannot be considered. A Navy education officer can schedule the test through his or her office.

Also, you must be recommended for BOOST by your commanding officer and a three-officer BOOST interview board if you are on active duty.

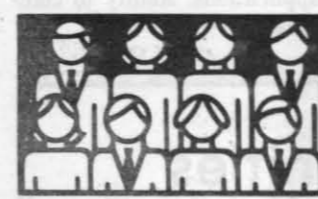
Apply for BOOST by Dec. 1 if you are on active duty, and have 36 months of obligated service on your current enlistment. You are required to complete four years of obligated service upon appointment as midshipman.

The Navy found that students who complete BOOST have a lower attrition rate in four-year colleges and universities than the average NROTC scholarship winner. About 10 percent of BOOST graduates go on to study at the Naval Academy.

Rarely are all 400 seats filled in the BOOST school. The Navy would rather fill more of those seats with sailors than civilians, but not enough applications come from the fleet. "There's a real perception out in the fleet that we're taking unqualified people into the program," said Wesley. "It's not true. We'd rather leave holes in the program than fill those seats with people we don't think will make it."

The idea that unqualified people are entering the BOOST program probably stems from the fact that in 1978 half of the BOOST students dropped out of NROTC. In 1983, only 5 percent of BOOST students withdrew from NROTC, and the number is expected to remain low in the future.

BOOST is a rare opportunity for motivated young men and women to earn a college education that can lead to a professional naval career in fields such as aviation, submarine service and the surface fleet.



Text: TBA
Electrical Engineering
 Engr. 260 - Electrical Engineering Fundamentals (3 units)
 May 31 - July 27 Friday 4:00 p.m. to 6:30, Cerro Coso Community College. By: Professor Jagdish Prabhakar

Prerequisite: Physics 1B (Electricity and Magnetism) and Math 6D in 477 (Applied Differential Equations)

Scope: Topics for this course include: introduction of the theory and analysis of electrical circuits; basic circuit elements including the operational amplifier; circuit theorems; dc circuits; forced and natural responses of simple circuits; sinusoidal steady state analysis and the use of a standard computer aided circuit analysis program. Consideration will be given to power, energy, impedance, phasors, and frequency response.

Text: "Basic Electric Circuit Analysis" Johnson, Hilburn, and Johnson. Prentice-Hall 2nd edition.

Note: This is a required course for those seeking an undergraduate degree in electrical or computer engineering.

Engr. 260L: Electrical Engineering Fundamentals Laboratory (1 unit)

June 1 to July 27, Saturday, 2:00-5:00 p.m. By: Professor Jagdish Prabhakar, CSUN

Scope: Laboratory for Engr. 260 listed above.

Engr 355 - Theory of Digital Machines (3 units)

June 3 to July 30 Monday 10:00 a.m. to 12:30 p.m. and Tuesday 7:30-10:00 a.m., Cerro Coso Community College. By: Professor Robert Wong, CSUN

Prerequisites: Math 6B

Scope: The course is an introduction to digital systems. Topics treated include: number systems, binary codes, Boolean algebra, combinational logic design, logic minimization techniques, sequential circuits design, arithmetic operations, data transfers using register transfer notation, memory devices, digital system organization and digital subsystems design.

Text: "Digital Logic and Computer Design" Mano. Prentice-Hall

Note: This is a required course for those seeking an undergraduate degree in electrical or computer engineering.

Engr. 355L - Theory of Digital Machines Laboratory (1 unit)

June 3 to July 21, Monday 2:00-5:00, Cerro Coso Community College. By: Professor Wong

Scope: Laboratory for Engr. 355 listed above.

Mechanical Engineering
 Engr. 396 - Selected Topics in Thermal Fluid Systems (3 units)

June 5 to August 1, Wednesday 2:00-5:00 and Thursday 8:30-11:30 a.m., Training Center Annex. By: Professor T. W. Fox

Scope: The course is an overview of essential theories from thermodynamics, thermal-fluid systems. Topics include: first and second laws of thermodynamics; fundamental equations of fluid mechanics; introduction to condition, convection and radiative heat transfer.

Text: Introduction To Thermal Sciences. Schmidt, Henderson & Wolgemuth. John Wiley.

Note: Professor Len Sprint, CSUN, will be on Center for advising Mechanical Engineering students on May 14. Anyone desiring counseling can make an appointment by calling Kit at ext. 2648.

Business and Public Administration
 BA 383 - Investments (5 quarter units)

June 18 to July 23 Tuesday and Thursday, 4:00-9:00 p.m. Safety Bldg. classroom. By: Professor Ken Sakoori, CSB

Prerequisite: BA 381 (Financial Management or permission of instructor)

Scope: Topics for this class are supply and demand for capital; principles of analysis of various types of securities, security markets, and financial institutions; formulations of investment strategies.

BA 677 - Futurism (5 quarter units)

June 18 to July 23 Tuesday and Thursday 4:00-9:00 Safety Bldg. classroom By: Professor Richard Graves CSB

Scope: The course offers an introduction and critical overview of the science and art of futurism - the orderly study of the future. The course will explore the challenge of human survival in the face of interconnected problems such as resource shortages, population growth, and environmental degradation.

BA 340 - Marketing (5 quarter units)

July 39 to August 29 Tuesday and Thursday 4:00-9:00 (1 hour dinner break), Safety Bldg. classroom. By: Professor Dennis Guseman, CSB

Scope: The course provides a study of the nature and role of marketing in advanced economics in a managerial context; and an analysis of consumer wants, motivation and purchasing power, and introduction to and formulation of optimizing mixes between product, pricing, distribution, and promotional variables.

Recent additions

CODE	NAME	TITLE
08613	Millis, Audrey L.	Clerk-Typist
08623	Hanson, Elaine A.	Clerk-Typist
08641	Bewley, Randall A.	Clerk
08641	Nichols, Linda E.	Clerk-Typist
08641	Puterbaugh, Julie R.	Clerk-Typist
09201	Lockwood, Wanda D.	Clerk-Typist
093	Bergstrom, Beth M.	Clerk-Typist
094	Dove, Jana L.	Clerk-Typist
2405	Nolan, Eva M.	Clerk-Typist
2522	McKinney, Tamara K.	Clerk-Typist
2522	Sweet, Patricia A.	Clerk
2524	Maguire, Cecilia V.	Procurement Asst.
25243	Pierczynski, Ethel P.	Procurement Clerk (Typ.)
26381	White, Bennie R.	Engrg. Tech.
3108	Grabber, James W.	Operations Research An.
3109	Anders, Robyn J.	Mechanical Engr.
3111	Lesino, Pamela M.	Engrg. Aid
3314	Sliva, Randall J.	Electronics Engr.
3353	Justis, Andrew P.	Engrg. Aid
3383	Shin, Yong W.	Mechanical Engr.
3444	Crosby, Linda L.	Audio Visual Prod. Spec.
3451	Lyngholm, Alan C.	Photographer (Sci/Tech.)
346	Williams, Tommy L. Sr.	Resource Analyst
3461	Johnson, M. Maureen	Clerk-Typist
3462	Arnold, Charlotte V.	Resource Analyst
3606	Taylor, Alma R.	Clerk-Typist
3608	Rubicin, David E.	Physicist
3651	Morgulec, Sharon L.	Engrg. Tech.
36514	Wheeler, Theresa L.	Documentation Repro. Sp.
3655	Blockston, Robert F.	EQ Spec. (Missile)
3664	Harding, Paul D.	Logistics Mgt. Spec.
3902	Licklider, Robert A.	Admin. Junior Profession

Recent departures

081	Wilson, John D.	Operations Research
084	Poligala, Richard NMN	Computer Systems Anay.
08641	Hams, Catherine L.	Payroll Clerk
0921	Lopez, Susan M.	Clerk-Typist
0921	O'Connell, Catherine B.	Clerk-Typist
094	Pate, Cheryl J.	Clerk-Typist
22	Wyman, Wilton L.	Recreation Spec. Supvy.
2405	Kelly, Deborah E.	Clerk-Typist
2413	Aldrich, Richard L.	Police Officer Supvy.
24213	Mayhugh, Richard P.	Firefighter
25011	Haden, Douglas H.	Computer Scientist Sup.
2611	King, John B.	Shop Materials Control
2639	King, Cornelia J.	Clerk-Typist
26416	Morris, Daniel M.	Laborer
26416	Weinbeck, Eugene R.	Laborer
26429	Harper, Larry A.	Laborer
3153	Gill, Sue C.	Secretary
32535	Pangle, Lyndle G.	A/C Equip. Mech.
3268	McMahan, Patsy A.	Secretary (Typing)
3274	Griscavage, James	Mechanical Engr.
3501	Smith, Max R.	Mechanical Engr.
3505	Neal, Conrad L.	Electronics Engr.
3541	Fisk, Jennifer H.	Student Trainee (Math)
3552	Allen, Greg NHM	Electronics Engr.
3606	Ash, Mary D.	Clerk-Typist
3644	Quinlan, Timothy J.	Machinist
3646	King, Donald W.	Machinist
3902	Gutierrez, Jessica A.	Clerk-Typist
3905	Clafin Shirley A.	Secretary (Typing)
3914	Barry, David J.	Student Trainee (Elex.)

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. HO-8523, Recreation Aid, PS-0189-03, \$4.43 per hour, Permanent Part-Time, Code 2241 - Incumbent instructs patrons in automotive and motorcycle repair and maintenance. Takes orders for special parts and assists in resale activity. Insures that tools and equipment are use properly. Insures that sales slips, deposits and daily activity reports are properly processed. **Qualification Requirements:** Requires general knowledge of automotive repair and maintenance techniques. This is not a Civil Service position.

No. 08-015 Accounting Technician Supervisor, GS-525-6/7, Code 08622 - Incumbent will serve as a supervisor in the control and maintenance of cost accounting records and subsidiary ledgers for the Major Contracts Section. Duties include the review of incoming contracts and amendments for accuracy and completeness; reconciling subsidiary ledger accounts; extracting necessary information from source documents, collating the data and preparing forms to enter the data into the automated system; auditing computer outputs for accuracy; validating historical costs and transactions and has regular contact with NWC project and budget personnel. **Job Elements:** Knowledge of Document Entry System; knowledge of NWC accounting system; ability to deal effectively with people; ability to work accurately with figures. Support of the EEO program. Previous applicants need not reapply.

No. 08-017, Accounting Technician, GS-525-4/5/6, Code 0861 - This position is located in the Billing Section of the General Accounting Branch. Incumbent will maintain a Fund Control Ledger using information contained on fund documents and automated reports to reflect amounts authorized by fund documents, costs incurred and billed against those authorizations and the available balance remaining on the fund source. Incumbent will be assigned a group of sponsors and customer orders as his/her share of the total workload which is occasionally redistributed to assure proper balance. Incumbent will be required to accomplish sponsor billings, perform necessary research to isolate and correct errors, prepare reports, reconcile, resolve problems, and perform other related assignments with the Branch. **Job Elements:** Knowledge of Navy Industrial Fund Accounting principles; ability to work accurately with figures; ability to work effectively with people.

No. 25-068, Procurement Clerk (Typing), GS-1106-4/5, Code 25203 - Incumbent is responsible for providing clerical support in the form of typing (utilizing Xerox 860 word processors), filing, compiling data, maintaining logs, and performing follow-up on action item suspense dates for a wide variety of contractual actions. Incumbent maintains instructions and DAR Clause Books, reviews correspondence and suspense action items, and receives visitors and telephone calls with a wide variety of guidelines including DOD and Navy instructions Contract Division Operating Procedures on Defense Acquisitions Regulations and Clause Books. **Elements:** Knowledge of: correspondence regulations, and contractual terminology. Skill in: operating a word processor. Ability to: meet with people effectively and prioritize work under heavy workload conditions. Promotion potential to GS-07, however, not guaranteed.

No. 25-069, Clerk-Typist, GS-322-3/4, Code 252 - Incumbent is responsible for providing clerical support in the form of typing (utilizing a word processor), filing, compil-

ing data, maintaining logs, and performing follow-up on action items of wide variety. Position requires frequent personal and telephone contacts with individuals at all levels of Navy and DOD contractors; receiving and directing visitors and phone calls; and answering routine questions. Incumbent works with a wide variety of guidelines including DOD, Navy and NAVWPNCEN instructions, and Contract Division Operating Procedures; screening all incoming correspondence and often drafting routine responses; and maintaining the appointment calendar for the division head and staff. **Elements:** Knowledge of: Navy correspondence procedures. Ability to: operate word processing equipment.

No. 31-155, Program Analyst, DA/DP-345-3, Code 3107 - Position is that of Business Manager in the F/A-18 Weapon System Software Activity. Incumbent provides administrative management support to the Program Office and is responsible for budget formulation, implementation, and execution, all resource planning for the F/A-18 Program, and contract planning and management for the F/A-18 Prime Contractor. Provides administrative direction and guidance to the Program technical staff. **Elements:** Knowledge of NWC and NAVAIR financial operations; knowledge of NWC contracting procedures; knowledge of NWC personnel policies and standards; ability to communicate orally and in writing; ability to deal with all levels of technical and management personnel; ability to manage and coordinate multiple tasks. Status eligibles may apply. Promotion potential is DP-3. Previous applicants need not reapply.

No. 31-156, Multidisciplinary, Computer Specialist, Quality Assurance Specialist, DS-334/1910-3, Code 3107 - Position is that of Software Manager for all F/A-18 Tactical Software in the F/A-18 Weapon System Support Activity. Incumbent manages the failure reporting system, System Trouble Reports, and schedules, coordinates, monitors and evaluates all Quality Assurance and Configuration Management tasks for the Program Office. Acts as the Secretariate for the Operational Advisory Group/Maintenance Advisory Group (Fleet Meetings) for prioritization of software problems, and is the Program Office point of contact with NAVAIR, the Fleet, other Navy Labs, contractors, and Foreign Military Sales customers for software management for the F/A-18. **Elements:** Basic knowledge of software documentation and aircraft avionics systems operations; basic management skills, particularly in configuration management and quality assurance; ability to communicate both orally and in writing; ability to deal with all levels of technical and management personnel. Eligible DS-2's are encouraged to apply. Promotion potential to DS-3. Previous applicants need not reapply.

No. 31-157, Electronics Technician, DT-856-3, Code 3107 - Position is that of Software Manager for all F/A-18 Tactical Software in the F/A-18 Weapon System Support Activity. Incumbent manages the failure reporting system, System Trouble Reports, and schedules, coordinates, monitors and evaluates all Quality Assurance and Configuration Management tasks for the Program Office. Acts as the Secretariate for the Operational Advisory Group/Maintenance Advisory Group (Fleet Meetings) for prioritization of software problems, and is the Program Office point of contact with NAVAIR, the Fleet, other Navy Labs, contractors, and Foreign Military Sales customers for software management for the F/A-18. **Elements:** Basic knowledge of software documentation and aircraft avionics systems operations; basic management skills, particularly in configuration management and quality assurance; ability to communicate both orally and in writing; ability to deal with

all levels of technical and management personnel. Eligible DT-2's are encouraged to apply. Promotion potential to DT-3. Previous applicants need not reapply.

No. 31-162, Computer Specialist, Two Vacancies, DS-334-1/2/3 - This position is in the Software Engineering Environments Branch (Code 3115), Avionic Facilities Division, Aircraft Weapons Integration Department. Incumbent will assist in the design, development, analysis, installation and management of computer-based hardware/software systems. Incumbent's duties will be in support of two large VAX based and one IBM 4341 based facilities, and the department's personal computer systems. The implemented systems are used as aides for the development of aircraft embedded operational flight programs, software and hardware tools development, and analysis and presentation of flight data. **Elements:** Skill in the use of computer system editors and command language; knowledge of ADPE facility operational procedures; ability to act as the technical coordinator for systems support contracts; ability to research requirements and prepare procurement documents for required system hardware and software; knowledge of NWC ADPE security, control, and procurement approval requirements. Promotion potential is to DS-3, but is not guaranteed.

No. 31-165, Interdisciplinary Electronics/Mathematician/Physicist/Operations Research Analyst, DP-855-1310-1520-1515-3/4, Code 3158 - This position is that of project engineer for advanced development of target recognition systems for missiles. The incumbent will be responsible for the transition of current targeting technology into air-to-air and air-to-surface missiles, especially antiship missiles. The task requires experience in missile guidance systems, signal processing, and project management. Experience and training in radar systems, pattern recognition, infrared sensor (FLIRs/IRSTs), advanced computer systems, tactical computers, structured software design, ADA, and systems or operations analysis would be beneficial. The targeting Division (Code 315) will be looking at a possible parallel implementation of targeting system with and without VHSIC. **Elements:** Skill in algorithmic system development, project engineering/management, signal processing, and analysis. Ability to produce professional reports and briefings. Ability to work well with management and highly technical personnel. Status applicants may apply. Promotion potential to DP-4 if filled at DP-3, but not guaranteed.

No. 35-051, Intelligence Research Specialist, DS-132-1, Code 3517 - Incumbent researches electronic warfare principles and practices, performance and design characteristics of own and foreign surveillance, communications, command control and weapons systems. Data and information from multiple sources (intelligence, industry, technology, etc.) must be correlated, analyzed, evaluated, and applied. Some familiarity with electronic warfare principles, intelligence research resources and techniques is necessary. **KSAs:** Knowledge of electronic equipment techniques and technologies in order to derive system and subsystem assessment to define foreign technology trends and capabilities for simulator and electronic warfare development. Prefer specific knowledge of missile fire control systems, radar systems, ESM, ECM/ECCM, C3I. Promotion potential to DS-2.

No. 36-226, Quality Assurance Specialist, DS-1910-3, Code 3682 - Assists senior specialist in the implementation of quality assurance and quality control practices, principles, methods, techniques and disciplines during the planning, design, fabrication, testing and production of weapon systems, related equipment and components. **Elements:** Ability to communicate effectively, both orally and in

U.S. Savings Bond still safe, secure investment

For more than 40 years, U.S. Savings Bonds have provided one of the safest and most secure means of savings. Bonds offer an even better deal today. Instead of a fixed rate of interest, bonds offer now a market-based variable interest rate. While there is no ceiling on how much bonds may earn, there is a built-in guaranteed minimum return of 7.5% to protect bond holders and buyers from market downswings.

On May 1 and November 1 of each year, the Treasury sets the market-based rate for the following six-month interest period. This rate is 85% of the average market return during the preceding six months on marketable Treasury securities. Rates for the first four interest periods starting

November 1, 1982 averaged 9.77%. The present interest rate is 10.94%.

By holding your bonds five years or more, you'll earn interest at the average of 10 or more market-based rates, compounded semiannually. Bonds held less than five years earn interest of a fixed, graduated scale, rising from 5.5% after one year to at least the guaranteed minimum return at five years. Your interest is free from state and local income taxes, and Federal tax may be deferred until you cash your bonds.

The face value of your bond represents its worth after 10 years at the guaranteed minimum rate. However, your bonds will reach face value much faster if the market-based rate remains higher.

Bonds are backed by the U.S. Gov-

ernment. If they're lost, stolen, or destroyed, the Treasury Department will replace them free. Savings Bonds are available in affordable increments starting at \$3.75 per payday for civilians and \$6.25 per month for military.

Since U.S. Savings Bonds began earning market-based interest in November 1982, smart savers of all ages have signed up for the Payroll Savings Plan - and have benefited from bonds' outstanding track record of consistently high interest rates. Consider how bonds can help you achieve your savings goals; then sign up for the Payroll Savings Plan or increase your present allotment. It is an easy, convenient method of saving regularly that offers tax advantages and near-market interest on

small sums of money.

If you would like more information about bonds, civilians may call Eileen Baird or Cheri Neil on extension 2018 or 2592 and military personnel may contact Military Disbursing.

writing; to apply quality assurance specifications and instructions to government contracts. Status eligibles may apply. Readvertisement. Previous applicants need not reapply.

No. 36-242, Administrative Assistant, DA-341-1, Code 3682 — Responsible for providing administrative support to the Quality Assurance Branch. Elements: Knowledge of NWC personnel policies and procedures; of security procedures; of budget/funding procedures; of delivery order procedures for support contracts. Ability: to research information for preparation of ITAs, delivery orders, and management reports; to communicate effectively orally; to communicate effectively in writing. Promotion potential to DA-2. Status eligibles may apply.

No. 36-243, Interdisciplinary, Supervisory General/Mechanical/Electronics/Aerospace/Industrial Engineer, DP-801/830/855/861/896-3/4, or Supervisory Mathematician, DP-1520-3/4, Code 3687 — As head, System Safety Branch, is responsible for providing system safety support for a wide range of complex weapon systems and related equipment developed or managed by the Naval Weapons Center; for providing direct technical system safety support on assigned programs; and for establishment, coordination and implementation of Center System Safety Policies and procedures consistent with applicable Center DOD, NAVMAT and NAVAIR requirements and policies. Elements: Knowledge: of system safety; of reliability; of acquisition process; of weapons systems development, including design, test and documentation; of supervisory practices and policies. Ability: to supervise a branch, including support of EEO programs and objectives; to communicate orally and in writing. Promotion potential to a DP-4 if filled at DP-3, but not guaranteed.

No. V-62-015, Interdisciplinary Computer Scientist/Mathematician/Electronics Engineer, DP-1550/1520/855-2/3, Code 6251A — This position is located in the RIPS Program Office. The incumbent assists in the design of enhancements to and diagnosis of problems in the Range Control Center Integration and Processing System (RIPS). Scope of assignments include functional design changes to the RIPS system. The incumbent also assists the RIPS Program Manager in defining work to be performed by the RIPS Operations and Maintenance Contractor and assists in the technical review of contractor performance, documentation, etc. Job Elements: Knowledge of minicomputer systems. FORTRAN, and assembly language; ability to communicate effectively with NWC and contractor personnel both orally and in writing. Status eligibles may apply.

No. 62-021, Supervisory Interdisciplinary (General/Electronics/Aerospace/Mechanical Engineer), DP-801/855/861/830-3/4, Code 6222 — This position is that of branch head, Track Operations Branch. The incumbent is responsible for the overall operation and maintenance of the NWC track facilities. This includes test planning; telemetry package design and fabrication; optical instrumentation planning and implementation; electronic and optical data reduction; ordnance and propulsion testing; handling and storage. Job Elements: Knowledge of range testing; knowledge of structural design, aerodynamics, and of optical and electronic instrumentation systems; knowledge of safety regulations governing the handling and storing of ordnance; knowledge of NWC administrative and personnel policies and procedures including support for the NWC EEO policies and goals. Promotion potential to DP-4 depending upon classification and the desire of management.

No. 39-038, Supervisory Interdisciplinary (Electronics/General/Aerospace Engineer/Physicist), DP-801/855/861/1310-3, Code 3957 — Position is that of branch head, Radar Guidance Branch. The branch supports the development, testing and production of RF air-to-air missiles such as the Sparrow AIM-7M and various deviations as well as associated field test sets; provides radar seeker and guidance expertise for AAAM/OABM project and conducts monopulse antenna research and development. The incumbent will provide overall direction, coordination and management of branch activities. KSAs:

Knowledge of microwave systems and testing; experience in the area of RF Guided Missiles and test equipment; ability to deal effectively with people; understanding of NWC personnel policies and procedures; support of NWC EEO policies and goals.

No. 39-039, Supervisory Interdisciplinary (Electronics Engineer/Physicist), DP-855/1310-3/4, Code 3954 — This position is head, Radio Frequency Systems Branch, Radio Frequency Division, Weapons Department. The branch is responsible for RF systems for air-launched weapons. The incumbent's primary duties and responsibilities will be predominantly technical in nature. The primary focus of time is devoted to directing and actively participating in the technical tasks of the personnel being supervised. The remaining duties will be directed toward administrative matters and personnel management. KSAs: A background in transmitters, receivers, signal processing and RF guidance systems is desired; knowledge of RF systems and subsystems, radar seekers and electronic counter-countermeasures techniques; ability to interface with and make presentations to NWC management and sponsors; ability to communicate well, both orally and in writing; ability to deal effectively with people; understanding of NWC personnel policies and procedures; support of NWC EEO policies and goals. Promotion potential to DP-IV, however, promotion is not guaranteed. Reassignment at the DP-4 level only.

No. 39-040, Mechanical Engineering Technician, DT 1, Code 3941 — This position is located in the Sensors and Platforms Branch. Incumbent operates Computer Vision to develop engineering design packages. Primary function is to transfer design data from other computer aided design data base (SDRC Geomod) into three dimensional Computer Vision data. Also, generates documentation from engineering sketches or verbal description. Job Relevant Criteria: Ability, knowledge and experience in three dimensional mechanical modeling. Experience in electrical design on Computer Vision. Proficiency in the operation of computer vision terminal. Promotion potential DT-3. Status eligibles may apply.

No. 39-041, Mechanical, Electronics, Aerospace Engineer, DP-830, 855, 861-4, Code 39D — Incumbent is head of office responsible for integration of current anti-air and anti-surface missiles, their product improvements and planned and conceptual new missile systems onto new aircraft platforms. He/She is also responsible for all studies, analyses and programs in the Weapons Department directed toward the integration of assigned programs on advanced aircraft. Job Relevant Criteria: Applicant must possess: broad working knowledge of tactical air weapons which included weapons integration onto aircraft platforms. Specific and detailed working knowledge in Navy operational weapons systems (Experience as fighter/attack Pilot preferred.) Recent increasingly responsible positions in missile weapons management which included application of a technology base. Working knowledge in DOD weapons systems acquisition process.

No. 64-010, Management Assistant, GS-5/6, Code 6402 — Incumbent operates in the areas of personnel, employee relations, security, management analysis, physical resources and liaison to other Department Committees. Conducts studies with the purpose of providing suggestions to improve support to the Department. Acts as Dept. CCP, Public Works Contact, and mail clerk. Job Elements: Ability to communicate effectively in writing and orally, to deal with all levels of personnel, to gather data, organize and assemble facts, and to interpret instructions, notices regulations and guidelines.

No. 34-019, Computer Systems Analyst DS-334-2/3, Code 3404 — Serves as System Administrator for the TID network of the Xerox Office Information System (XOIS). Provides hardware/software support for microcomputers such as IBM OCs and Digital equipment. Trouble shoots equipment malfunctions; provides users assistance in computer use/applications. Analyzes computer system requests and makes recommendations for selection/use of equipment. Job Elements: Ability to deal

effectively with people. Knowledge of XOIS equipment and other microcomputer

systems and applications. Ability to communicate effectively.

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 organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below.

Unless otherwise indicated, applicants will be rated against the job relevant criteria indicated below. A supplemental form is required and may be obtained at Room 100 in the Personnel Building. Job Relevant Criteria: Ability to perform receptionist and telephone duties; ability to review, control, screen and distribute incoming mail; ability to review outgoing correspondence; ability to compose correspondence and/or to prepare non-technical reports; knowledge of filing systems and files management; ability to meet the administrative needs of the office; ability to train clerical personnel and organize workload of clerical staff processes; ability to plan and coordinate travel arrangements; ability to maintain and coordinate supervisor's calendar and to arrange conferences.

No. 36-241, Secretary (Typing) Clerk/Typist, GS-318/322-3/4, Code 3662 — Incumbent provides secretarial support to the Engineering Support Branch. Knowledge and working skill on an IBM MAG Card II is desirable. Status eligibles may apply.

No. 64-009, Secretary (Typing) GS-318-4, Code 6411 — Incumbent provides clerical, typing, and other administrative support to personnel of the Recovery Systems

Development Branch. Promotion potential to GS-5.

No. 35-057, Secretary (Typing), GS-318-4, Code 355 — Incumbent serves as a branch secretary in the EWTES Division. Work schedule is "First-Forty." The work site is in the Randsburg Wash Test Area and bus transportation is available to and from the site. Promotion potential to GS-5.

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. 31-163, (3 vacancies) Interdisciplinary, Electronics/Aerospace Engineer/Physicist/Mathematician/Computer Scientist, DP-855/861/1310/1520/1550-3, Code 31403 — The Trainer Tactical Software Activity Project Office provides life cycle technical support for aircrew trainers in the areas of tactical software review, avionics model modification, integration, and testing. Each incumbent will have responsibility for all avionics related changes required for one of the three types of F/A-18 trainer. In addition, to being the responsible engineer for their trainer, each engineer will have responsibility for one of the following subsystems as they relate to trainer requirements: F/A-18 Radar, F/A-18 Stores Management System, or F/A-18 Mission Computer. Whenever a change is made to these systems, the engineer will perform an impact analysis to determine if hardware or software changes will be required on the trainers or accommodate this change. Elements: System engineering and physics principles related to aircraft/weapon systems. Ability to oversee software development. Ability to gather facts, determine requirements, plan tasks, and direct/monitor efforts of others. To apply for this position forward an updated SF-171 to Forest Lloyd, Code 31403, ext. 5164.

No. 31-164, Interdisciplinary General/Electronics/Electrical/Aerospace/Mechanical Engineer/Computer Scientist/Mathematician/Physicist/Operations Research Analyst, DP-801/855/861/1550/1520/1310/1515-2/3, Code 3191 — This position is located in the Systems Engineering Branch, System Engineering Division, Aircraft Weapons Integration Department. The Systems Engineering Branch is responsible for the analysis of avionic and aircraft systems, generally based on contractor generated documentation. The incumbent will be responsible for review of this documentation that includes avionic system requirements, the interface documentation for integration of major subsystems, and the software requirements and design for the mission computer and

radar subsystems. If filled at the DP-2 level has potential to DP-3. Promotion is not guaranteed. To apply for this position, forward a current SF-171 to Ann Soto, Code 31902, NWC ext. 5220.

No. 33-015, Physicist, DP-1310-1/2/3, Exploratory Development Branch, Code 3311 — Work on the two newest, most important problems facing the fuzing community. Efforts to find long wavelength infrared solutions to these problems are just starting. Experience with infrared detectors and/or optical systems, ability to research the background literature, produce a design concept and breadboard, and perform verification testing is desired. Interest in optical properties of materials and environments is also desired. Success may lead to management of a small group developing your concepts. The programs are starting at the 6.2 level and will evolve into 6.3 work. Please send current SF-171 to Laurie Saikin, Code 33102, ext. 3093/3902.

No. 33-016, Electronics Engineer, DP-855-1/2/3, Exploratory Development Branch, Code 3311 — Work on the two newest, most important problems facing the fuzing community. These problems will require significant advances in signal processing circuits. High speed digital processing will be required to handle complex algorithms dealing with unusual background clutter and GIFT (Guidance Integrated Fuzing Technology). VHSC-level chips will be commonplace in the final designs. Artificial Intelligence will be used to process optical data from focal plane arrays. Digital design experience and ability to breadboard designs is desired. Willingness to learn the AI world as it develops is also desired. Please send current SF-171 to Laurie Saikin, Code 33102, ext. 3093/3902.

No. 35-056R, Electronics/Electrical Engineer, DP-855/850-3, Code 35503 — As a systems engineer the incumbent is responsible for the overall integration of a variety of radars and associated systems. The work schedule is a "First-Forty" work week. Promotion potential to DP-3. Send an updated SF-171 to Joy Harrelson (Code

35502).

No. 35-048R, Interdisciplinary (General/Electronics Engineer/Physicist/Mathematician/Computer Scientist), DP-801/855/861/1310/1520/1550-2/3, Multiple Vacancies, Code 3512 — Incumbent supports development of tactical software for EW systems (e.g. HARM, LCS). Uses structured analysis techniques and tools to graphically define software requirements, design and test the software. Writes code in assembly language using VAX editors and cross assemblers. Provides recommendations for approval of tactical software changes, plans and executes validation tests in a Software Support Facility. To apply for this position, forward an updated SF-171 to Bill Stratton, Code 3515, NWC, X2951. Previous applicants need not reapply.

No. 35-044R, Interdisciplinary

(General/Electronic/Aerospace Engineer, Physicist, Mathematician, Computer Scientist), DP-801/855/861/1310/1520/1550-2/3, Multiple Vacancies, Code 3515 — Incumbent supports development of tactical software for EW systems (e.g. HARM, LCS). Uses structured analysis techniques and tools to graphically define software requirements, design and test the software. Writes code in assembly language using VAX editors and cross assemblers. Provides recommendations for approval of tactical software changes, plans and executes validation tests in a Software Support Facility. To apply for this position, forward an updated SF-171 to Bill Stratton, Code 3515, NWC, X2951. Previous applicants need not reapply.



ROGER PECK RHONDA SHEFFIELD SHEILA MORGAN DORIS SORENSEN

Personnel servicing team

This is the fourth of 8 articles featuring the personnel servicing teams. The Personnel Department recently organized the Service Divisions into 8 personnel servicing teams. Each team is composed of 4 members: 2 personnel assistants and 2 personnel management advisors.

This week the spotlight is on the team providing personnel services to Codes 09 and 36.

Team members are:

Roger Peck came to the Center in 1965 after completing a tour of duty as a Navy pilot and returning to Oregon State University to obtain an MS in Materials Science. After working for a year in the Engineering Department as a Metallurgist and 19 years in the Research Department as a Research Metallurgist, he reassigned in 1981 to the Personnel Department as a back-up PMA. He now serves as the lead PMA of the team responsible for providing all personnel services to Codes 09 and 36.

Sheila Morgan came to Ridgecrest in July 1984. She graduated from Cal State Bakersfield with a BA in Sociology in June 1983. She worked in Code 35 as an alternate CCP before moving to the Personnel

Department where she has been since October 1984. She is the back-up PMA for Codes 09 and 36.

Rhonda Sheffield has been at NWC for over a year, starting out in the Personnel Department Office. Rhonda is now a Personnel Clerk handling Codes 09 and 36. She moved to Ridgecrest from Barstow where she was a secretary in a bank.

Doris Sorensen came to Ridgecrest in 1970. Doris started work on Center in 1976 in the Ordnance Systems Department, where she spent approximately 7 years. She moved to the Supply Department and in early 1985 joined the Personnel Department. She finished her AA Degree at Cerro Coso in December 1984 and is currently working on a Bachelors Degree in Business Management from Cal State Bakersfield. Doris hopes to eventually do PMA work in Personnel.

Robotics class offered in May

Richard Hughes will teach a class in Robotics later this month in the NWC Training Center.

Set for May 20 and 21, the class will rerun from 8 a.m. to 4 p.m.

Subjects covered include: terminology, history, status and future of robotics, overview of robot systems, mechanical systems, robot systems and applications, nontechnical robotics issues and more.

Deadline for class enrollment is Monday, May 6.

Interested students should submit an on-center training require to Code 094.

Summer hires sent notices

Catherine Rogers, summer employment coordinator, says that she is checking the registers and sending out letters of appointment at this time.

She's asking that potential employees and employers be patient and delay making questioning phone calls for the next couple of weeks. Each call at this time delays the process of sending letters.

Cerro Coso classes available

The Center will pay your full tuition if you are enrolled in courses provided under the NWC/Cerro Coso Contract. If you can show that courses are job-related or will strengthen your contributions to the Center's mission, your tuition will be paid directly to the college by Code 094.

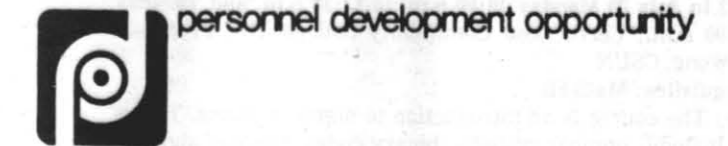
If you are not a co-op student, you must submit a DD Form 1556 (Request, Authorization, Agreement, and Certification of Training and Reimbursement) via department channels to Code 094. The form must arrive in Code 094 at least five working days prior to registration.

If a course is not directly job-related, submit NAVWPNCEN 12410/66, Academic Enrollment Justification and NAVWPNCEN 12410/68, Individual Development Plan, describing how the

course fits into your overall career plan and how attendance at the course will strengthen your contribution to the Center's mission.

If you are not yet a California resident, please include a statement from your supervisor indicating the negative impact to NWC of postponing the training until residency is established. Code 094 will return the approved form to you. You must take it with you to Cerro Coso when you register in order for NWC to pay your tuition.

If you are a co-op student, a DD 1556 is not required, simply tell the registrar that you are an NWC co-op student when you register. If you have any questions, call Kit Driscoll or Cecil Webb, NWC ext. 2648 (code 094).



The following classes are being offered this summer for the Cal-State Chico Computer Science Program, the Cal-State Northridge Electrical and Mechanical Engineering Programs, and the Cal-State Bakersfield Business and Public Administration Program.

Computer Science

Math 477 - Numerical analysis (5 quarter units)
June 17-22 4:00 to 6:00 p.m., Monday and Wednesday, Safety Bldg. classroom. By: Chuck Kenney, PHD, ext. 3597

Differential Equations, FORTRAN.
Scope: Topics for this course include numerical solutions of non-linear equations; linear systems of equations; estimation of characteristics roots; quadrature; curve fitting; interpolation; numerical solution of ordinary differential equations; basic concepts of numerical error; error propagation.
Text: "An Introduction to Numerical Analysis". Atkinson Wiley.

CSCI 370 - Systems Design Theory (3 units)
May 4-5 and June 22-23 Saturday and Sunday, 8 a.m. to 4 p.m., Safety Bldg. classroom. By: Professor Arnovick, CSUC
Prerequisite: CSCI 270 (Systems Design) or consent of instructor.

Scope: Software project management: planning, organization, staffing, and control of a software project. Software cost factors and software cost estimation models. Legal and regulatory aspects of software engineering.
Text: No text.
Note: This is a required class for the MSCS, Software Engineering option.

CSCI 152 - Operating Systems Programming (3 units) June 7-9, June 26-28 Friday 8:00 to noon, Saturday and Sunday 8:00-4:00, Safety Bldg. classroom. By: Professor Clement Luk, CSUC
Prerequisite: CSCI 151 (Data and Program Structures)
Scope: Operating system concepts and techniques are addressed. The course includes study of linkage-editors, loaders, channel operations, and interrupt handlers.

CSCI 350A: Language Theory (3 units)
June 15-16; July 13-14; August 10-11 Saturday and Sunday 8:00 to 4:00, Safety Bldg. classroom. By: Professor Bruce Pumplin, CSUC.
Prerequisite: Discrete Mathematical Structures
Use of relations, functions and graphs in data management, structures programming, and flow analysis. Applications of regular grammars, finite state automata, regular expressions, context free grammars, and pushdown automata in language recognition and translation. Decidability and its influence on program testing and formal verification. State transition and applicative models of computation. Fundamental results from analysis of algorithms.

CSCI 273: Data Base Management (3 units)
July 20-21; August 17-18; and September 14-15 Saturday and Sunday 8:00-4:00, Safety Bldg. classroom. By: Professor James Murphy, CSUC.
Prerequisite: Discrete Mathematical Structures
Use of relations, functions and graphs in data management, structures programming, and flow analysis. Applications of regular grammars, finite state automata, regular expressions, context free grammars, and pushdown automata in language recognition and translation. Decidability and its influence on program testing and formal verification. State transition and applicative models of computation. Fundamental results from analysis of algorithms.

CSCI 372: Operating System Theory (3 units)
August 3-4, 24-25 and September 21-22 Saturday and Sunday 8:00-4:00, Safety Bldg. classroom. By: Professor Larry Wear, CSUC
Prerequisite: CSCI 151 (Data and Program Structures)
Scope: The course is an introduction to data base management systems. Topics include storage structures, data-definition languages and datamanipulation languages for relational, hierarchical and network approaches to data base management.

CSCI 372: Operating System Theory (3 units)
August 3-4, 24-25 and September 21-22 Saturday and Sunday 8:00-4:00, Safety Bldg. classroom. By: Professor Larry Wear, CSUC
Prerequisite: CSCI 272 (Multi-User Operating Systems)
Scope: The course is a review of operating system development. The course involves comparison of various types of multi-purpose systems including masterslave and parallel process systems, and analysis of multiprocessor system performance and capabilities. Material for this course changes to reflect current research in the field.