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IN APPRECIATION - Members of the Indian Wells Valley Search and Rescue Team received state certificates of commendation from the Mining and Tunneling Unit of the California Division of Occupational

Safety and Health. Byron Ishkanian, prinipal engineer (second row left) and Henry McIntyre, safety engineer (second row right) presented the certificates to all who took part in the 1984 Acton mine rescue effort.

IWV SAR Team honored for efforts 86 persons and four equipment companies

Officials from the California Division of Occupational Safety and Health visited China Lake last week to present certificates of commendation to members of the Indian Wells Valley Search and Rescue been around. Other rescue teams have Team for their efforts in the Acton mine come and gone, but this one has been conmishap last October.

Byron Ishkanian, principal engineer for the Mining and Tunneling Unit of the division was joined by Henry McIntyre, unit safety engineer, in making the presentation at the regular meeting of IWV SAR Team members on board the Naval Weapons Center.

Ishkanian told team members the IWV SAR Team was the only mine rescue trained unit in the state that had always been dependable as long as Cal/OSHA had sistent and dependable, he commented.

"Very few people in the world have your skills in mine rescue. . . it's a skill known by a very few and practiced by a very few," Ishkanian added.

IWV SAR members were the lead rescue team when the Governor Mine in Acton took the life of a mine foreman. In the end the IWV SAR Team as a whole.

His pioneering work in computer anima-

The museum is open seven days a week

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Members and guests are invited to an

evening of dining and fun at the Commis-

sioned Officers' Mess for membership

night. Festivities for the evening consist of

"50s Night" with a costume party, prizes

and games, and contests. Also, for both

dancing and listening pleasure, the COM

will have a live D.J. The dinner special for

the evening is steak and shrimp, served

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The Enlisted Mess offers a seafood plate

for its dinner special on Friday. Saturday's

special is 12 oz. New York steak. Dinners

are served from 6 to 9 p.m. On Wednesday,

Aug. 21, the EM will host disco night with

"Upstage" playing from 8 to 11:30 p.m.

This event will also take place the following

Wednesday, and could possibly turn into a

from 6 to 9 p.m.

weekly event.

tion won him a Bronze Medal at the Atlan-

the foreman, then recover his body when he was found to have died from the initial fall early on Oct. 19, 1984. Since this tragedy, the state's Mining and Tunneling Unit has started a program

were involved in an attempt to first rescue

to train search and rescue squads or law enforcement personnel in mine rescue so experienced teams like the IWV squad will have more backup throughout the state in times of emergency.

Each individual who took part in the Acton operation received a certificate, as did

County Musem has exhibits to entertain all family members

The Kern County Museum and Pioneer Village in Bakersfield provide interesting exhibits for family members of all ages. The museum, located at 3801 Chester Avenue, is open from 8 a.m. until 5 p.m. Monday through Friday, and 10 a.m. to 5 p.m. Saturday, Sunday, and holidays, with tickets for Pioneer Village being sold only until 3:30 p.m. Prices are minimal. The museum itself is free.

In the museum are exhibits such as tools from the blacksmith-made tools of the 1870s up to today's tools, summer dresses from the 1915 era, antique washing machines, and other memorabilia of times past.

Pioneer Village is a collection of old buildings moved to the location from throughout the county and restored, along with their furnishings. Included are a barber shop, dentist's office, school room, homes, blacksmithy and the first telephone switchboard and telephone office in Kern County. Children especially enjoy this look into the past as they stroll around the town square where the buildings are located

USMC retirees sought

The Marine Corps Liasion Office is trying to update its list of retired

Marines in the local area. Any retired Marine is asked to telephone either Capt. Jim Ledbetter or Master Sergeant John Roloff at NWC ext. 3716 or 3717.

College plans varied health courses

Among the health education classes offered by Cerro Coso Community College this fall are three American Red Cross courses and a class designed for emergency medical technicians.

The Red Cross courses include a threeunit class taught by Janet Westbrook on the care and treatment of emergency situations for ambulance and rescue personnel, police and fire fighters. This will meet on class will meet Tuesdays and Thursdays Mondays and Wednesdays from 5 to 6:30 from 6:30 to 9:30 p.m. 66 23 knots p.m. ts are made at Armitage

"Standard First Aid - Multimedia System" is a 0.5 unit course offered at a Coso College.

variety of times, as is the course entitled "Cardiopulmonary Resuscitation." Further information about when these classes will be taught can be obtained by telephoning the college at 375-5001.

"Emergency Medical Technician 1 (Ambulance)" emphasizes the techniques of emergency medical care and operational aspects required for EMT personnel. This

For further information or to make a registration appointment, telephone Cerro

August 16, 1985 Desert tortoise

remains active during summer

California's official state reptile, the desert tortoise, is smack-dab in the middle of its active season and can sometimes be observed slowly treading its Southern California desert habitat during the hot summer months, as it has for centuries.

Although the tortoise can still be seen in the desert, vast areas of its habitat have been depleted or have disappeared entirely, according to a Department of Fish and Game biologist.

Jim St. Amant, DFG authority on the desert tortoise, says years of livestock over-grazing and off-road vehicle use on tortoise habitat are the major causes for the tortoise's population and habitat loss problems. But also, the collection and killing of tortoises have contibuted to the animal's survival problems.

"There is just no way to tell exactly how many tortoises are surviving in the wild at any given time," St. Amant said. "But by 1961 it was obvious that the animal was decreasing drastically in number and a law was passed to protect it from being killed or captured."

Nevertheless, it is possible for a person to have legal custody of a desert tortoise and keep it at home.

"The problem is," St. Amant said, "vou can't turn a tortoise loose with other tortoises just anywhere they happen to be."

Studies indicate that the survival rate for tortoises released back into the wild after a prolonged captive period is very poor.

"They tend to become domesticated and cannot readjust to the wild fast enough to survive." St. Amant said. "Tortoises become accustomed to being fed and having shelter provided for them and will not forage for themselves or dig their own burrows.'

"There is a pecking order in each tortoise community and an outsider will upset the group. The males go into combat to establish who's king of the clan and by the time the dust settles, some tortoises may be flipped on their backs and left to die," St. Amant said





Auditions for the Community Light Opera and Theater Association's (CLOTA) fall production of "Fiddler On The Roof," will ta Film Festival and the praise of his colbe held Aug. 20-23 beginning at 6:30 p.m. leagues in this new field. each evening in the CLOTA building, 1425 Inyo St., one block south of the Crest from 2 p.m. to 5 p.m. Drive-In Theater.

Directing the musical is Nancy Miller Nowak, who said roles are available for all ages.

Actresses and actors auditioning for roles should come prepared to sing a few notes, dance a few steps and read from the script. Scripts are available at the Kern County Library in Ridgecrest.

Production dates for "Fiddler On The Roof" are Oct. 25-26, 30-31, and Nov. 1-2.

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Several watercolor lithographs and an original water color by Les Weisbrich is being displayed by the Maturango Museum in the Sylvia Winslow Gallery until Sept. 3.

Weisbrich, the recipient of many awards as a commercial artist and as an art director, has exhibited his work in the Los Angeles County Museum.



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Center's 559 process area back in operation



BACK IN OPERATION - Technician Den Paisano inspects explosive in the 40-gallon melt kettle to check progree of the melt. Composition B will be cast into

the large spherical molds to provide solid explosive spheres for test firing on-Center. 3,000 pounds of explosives can be handled at a time.

After a massive clean-up of flood damage - twice - the Center's largest explosives processing building is finally back in operation.

The 559 process area (actually Building 15590) not only is once more refurbished, but also has a massive flood control system built to divert the torrents that caused such extensive damage two years running.

Heavy rain on the afternoon of Aug. 18, 1983 was followed by another storm which dumped an enormous amount of water on the already saturated ground the next morning. A chain link fence near the 559 process area caught brush and debris swept along by the waters, creating a temporary dam of sorts. When the force of water and mud became too great for the weakened fence to hold, the dam broke and released the water and mud in waves several feet high instead of in a steady flow, creating greater damage.

The wall of water that hit the 559 process area had enough force to bend two large metal doors and tear them from their hinges. This let the flood fill the machinery room. Drifts of mud and sand piled up 6 to 8 feet in height around the building.

Everyone working in that area turned to with hoses, brooms and shovels to clean out the muck. Members of Mel McCubbin's Process Systems Division (Code 325) were the key players in cleaning up and repairing the damage.

Glen Johnson coordinated the project

(Continued on Page 7)



Command history wins the honor

NWC captures third straight Niblack Award

Weapons Center has won the Vice Admiral Albert Parker Niblack Award for its command history.

In the four years since the American Defense Preparedness Association and the Naval Material Command established the Niblack award to recognize excellence in command history reporting, NWC took received first place the other three years. The trophy will now remain at NWC.

Dr. James E. Colvard, Acting Director of the Office of Naval Acquisition Support, sent his congratulations to Captain Dickerson. NWC Commander, noting that "your command history has become a model of excellence against which all others are measured.

He continues that a tri-service panel of professional historians noted that the NWC history was "highly distinguished for its clear narrative prose, organization and frank presentation of the achievements and problems of the Naval Weapon Center. The index, chronology, and appendices are extremely valuable additions to the basic narrative. Most offical researchers who need an overview of NWC's work in 1984 will need go no further than this document."

Dr. David K. Allison, Historian of the Navy Laboratories, concurs with Dr. Colvard's comment, adding that the factor distinguishing the NWC history is the frankness with which it deals with problems facing the Center and management issues.

He adds that he hopes that everyone at China Lake reads the NWC Command History for 1984 in order to obtain an overview of activities on board during the year.

For the third year in a row, the Naval available dealing with management, technical and other essential issues.' Dr. Allison adds that "competition has mproved the overall quality of command histories, but of the more than 30 submitted by large commands (those over 1,000),

NWC's was clearly the best." He notes that such a document calls for a large amount of effort to produce each honorable mention the first year and year, but the results indicate the effort is being well spent.

Responsible for the writing of the command history were the same two men who produced the other award-winning histories, Leroy Doig and Cliff Lawson. They did the research and production work as well.

Stephanie Fojt and Colleen Hobert composed the history and did the layout, and Wanda Stahlman ws responsible for copyedit. The Navy Publications and Printing Service Branch Office at China Lake did a superb job on printing, according to Doig.

Reviewers for the Center's command history were Dr. Frank Cartwright. Dr. Bob Rowntree, Charlie May and Dr. Dick Kistler. Concerned individuals reviewed sections in their special area of concern. The final review and sign-off was by Capt. K. A. Dickerson and Burrell Hays, Center Commander and Technical Director, respectively.



TROPHY RETIRED - Capt. K. A. Dickerson accepts the trophy for the Vice Admiral Albert Parker Niblack Award from Dr. David K. Allison, historian of the Navy "We read it and use it." he says. "It's the laboratories. Looking on are (l. to r.) Byron Butler, most comprehensive short document head of the Publications Division at the Technical In-

formation Department; Cliff Lawson, one of the two men responsible for having written the winning Command Histories; Leroy Doig III, the other writer of Command Histories; and Steve Sanders, TID department head. - Photo by Don Cornelius

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August 16, 1985



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

Housing Office needs to know early when tenants plan to move

While it is true that short fuse orders and last minute decisions do occur, when it comes to moving, most tenants know well in advance when they will be leaving a house. However, short notice for intent to vacate Center housing continues to be a problem for the housing office.

Those planning to vacate Center housing are urged to give the housing office advance notice of at least 30 days by filing an Intent to Vacate notice. After this is done, a pre-termination appointment is scheduled. A housing inspector meets with the moving party at the house to be vacated and explains what deficiences, if any, should be corrected, and the degree of cleanliness that should be achieved before the final inspection, which occurs after the quarters have been vacated.

At the same time, maintenance dificiencies are identified and scheduled for Morley did explore other areas before comn during change of occupancy The housing inspectors are consistant about years after finishing college and worked in reasonable standards of cleanliness and the aircraft industry in Palmdale for sevwill not make unreasonable demands dur- eral years. ing the final inspection.

housing office.

Like many other employees Carl Morley into special projects including instrumen- his interest in and love for music. said he'd never come back when he first left China Lake. And, like many, he's come back and now think's it's a great place to live and work.

Employee in the Spotlight

The head of the Weapons Department's RF Sensors Branch, Morley notes he said that he'd never return when he left in 1949 to go to college and after each summer he spent working at China Lake while attending Arizona State University. Now, since coming on board full time in 1960 as a physicist, he says it was the job opportunities that kept luring him, and

others back to China Lake. Those job opportunities have been extensive and varied in the past 25 years for Morley. He comments that unlike private industry where you might get placed in a niche and never move after starting, China Lake and the Naval Weapons Center have offered a continuing series of challenges and opportunities.

A graduate of Burroughs High School, He taught school for two

He calls the 1960's and early 1970's the A list of contract cleaners for those productive years. Those were years when wishing to hire someone to be responsible he worked on development of a mobile for the final inspection is maintained by the camera mount, and worked in chemiluminescence where his work went



Kern County Health Dept. tests for antibodies to A.I.D.S. virus

Leon M. Hebertson, M.D., Director of healthy people. The diseases which most Public Health Services, announced that beginning Monday, the Health Department clinic, located at 1700 Flower Street. Bakersfield, will be providing clinical testing for antibodies to the A.I.D.S. virus.

Dr. Hebertson stressed that those who suspect they have had exposure to the A.I.D.S. virus should avail themselves of the testing services. The tests are free of charge and confidential; no names will be taken. Tests will be interpreted and follow-up and referral provided as needed. After Monday, testing services will con-

tinue to be offered Monday from noon to 8:30 p.m. and Friday, 8 a.m. to 4:30 p.m.

breakdown in the body's immune system, resulting in the impairment of the selfdefense mechanism to fight certain diseases. This breakdown leaves the body vulnerable to attack from infections and diseases which normally do not infect telephone (805) 861-3644.

often accompany A.I.D.S. are Kaposi's Sarcoma (a rare form of cancer) and pneumocystis pneumonia (an uncommon infection of the lungs).

Dr. Hebertson stated that A.I.D.S. is a serious public health problem and everyone's concern, regardless of sex, race, or sexual orientation. Knowledge is the key to separating facts from fiction. The myths and misconceptions about A.I.D.S. have caused needless panic and

There is no need for most people to become burdened by feelings of fear. By A.I.D.S. is a viral disease that causes a learning about A.I.D.S., individuals can help dispel circulating myths, as well as provide sensitivity to and concern for those who have been diagnosed or who are in "high-risk" groups. For more information about A.I.D.S. and the testing program

Badge photo schedule

Personnel from the Badge and Registrataking pictures and issuing the new government identification cards to civilian and military personnel next week at the HARM on Monday from 7 a.m. to 4:30 p.m.

field from 7 a.m. until 5 p.m.

During the following weeks, they will be tion Section of the Security Division will be in Michelson Laboratory and at the Enlisted Mess.

Personnel are asked to come prepared to have their photograph taken. The photos Conference Room in Thompson Laboratory will be used for the new Restricted Area Access Passes to be issued at a later date.

No appointments are necessary for issu-On Tuesday, Wednesday and Thursday, ing of passes or getting a picture taken. they will be in the Phase Crew area on the Personnel may get their cards at the time Main Deck of Hangar 3 at Armitage Air- and location best suited to their needs regardless of work site or department.

Job opportunities keep Carl Morley at NWC

tation for weather modification work.

ting development of various proposals.

Then in the 1980's came the supervisory phase. He describes the branch as "16 great people doing 16 different jobs in developing small radars for missiles and and a very healthy vegetable garden. doing a great job."

Morley added, "it's been so varied, that's what's made it so much fun.'

Over the years he has worked in electronics, physical chemistry, mechanics and with radars. "You don't get stuck in the mud," Morley commented.

Looking ahead to retirement, some place down the road, Morley says he'll spend mornings tuning pianos and afternoons teaching piano. He started piano lessons when just two years old and has retained Longer says he'll leave and never return.

Another outside activity that has kept This was followed by his proposal phase him and his family busy is the oasis he calls where Morley spent several years suppor- home. Noting that when they moved into their home, his children were teenagers, the garden was a big project for them. While it's just a large city lot, it's a productive lot with lots of shade trees, fruit trees

Morley's wife, Louise, is manager of Robert's Hallmark in Ridgecrest. Their three kids are grown and working. Richard, the oldest, is an electronics technician in private industry while Mark manages hot houses that grow ornamental horticulture items and their daughter, now Jeanette Roberts, is the Indian Wells Valley contact point for the Community Connection for Child Development.

It has been both interesting and rewarding for Morley at China Lake. He no

OPPORTUNITY KNOCKS - Carl Morley says job opportunities have lured him back to China Lake everytime he has left over the course of more than 35 years. Morley now heads the RF Sensors Branch for the Weapons Department's Radio Frequency Division.

August 16, 1985

Flood repairs complete in 559 process area facilities...

(Continued from Page 1)

while Don Dunn's crew removed debris; Dave Cane's equipment mechanics pulled out, reconditioned, and reset pumps and motors; and Harlan Hersley's pipe fitters and insulators cleaned and checked control valves and rebuilt piping systems. Brian Morgan's electricians rebuilt the electrical panels and distribution system. Air conditioning and heating was put back into service by Gary Miner's Environmental Conditioning crew. Instrumentation for the Melt Cast Facility was cleaned and calibrated by the Instrumentation Branch (Code 6213).

A compacted dirt berm was built to rechannel waters so that they shouldn't again have been able to swoosh through the

When the building was within a couple of months of being ready for use, Aug. 15, 1984 arrived. With it came another massive storm. And the rains descended once more out at the Salt Wells area. The worst damage suffered by any building out there was to the 559 process area, again the Explosive Melt Cast Facility.

While there was adequate warning to evacuate personnel and to secure operations, the flood water still broke through and over the berm and once more got into the building.

The primary damage this time was to the machinery because of the silty, muddy water that washed through it. All the machinery had to be removed, the motors reconditioned, cleaned and reinstalled. Piping insulation again had to be removed

be dried and retested for the second time.

Gordon Fawkes, head of the Explosives Process Development Branch in the Conventional Weapons Division of the Ordnance Systems Department, says his group is extremely eager to have full use of the 559 process area again. The process room in that building is 780 square feet. It is capable of handling 3,000 pounds of explosive material and had two 40-gallon mixers

The building that they have had to use during the past two years, Building 522-4, in contrast, has a process room that is only 264 square feet and can handle only 250 pounds of explosive materials.

"The difference in our working capabilimuch better able to meet the needs of the

and replaced. The electrical system had to Ordnance Systems Department and the Center.'

> The flood control funding that had been requested following the initial flood was received late last year and has been channeled into a drainage system that will gather the water before it hits the same crucial spots and will carry these flood waters around the processing area and into the desert. Culverts have been emplaced. and a huge amount of earth has been compacted and lined with riprap (broken boulders) at key areas to keep the channels from washing away.

Can a flood recur? "I hope not," says Fawkes. "I'm convinced that even if it rains just as hard as it did last year, the new channels will guide the waters harmlessly away - but I'd just as soon not ties is truly great," says Fawkes. "We'll be have the kind of storm that would really test the system.



WHEN THE WATERS RECEDED - Senior Technician Ed Roy, standing on dirt and silt that got piled against the building, looks down into one of the rooms at the Salt Wells Melt Cast Facility.



READY FOR RAIN - Mike Gallagher and Gordon Fawkes check out the flood control channel built to protect the entire explosives process - Photo by PH2 Rick Moore area.

Hot Creek great for anglers, swimmers near Mammoth



HOT CREEK - Within the Invo National Forest, one of the more popular recreation sites, but still not over crowded, is the Hot Creek Geologic Site near Mammoth Lakes. Restricted to a day-use area for soaking in the natural hot water, Hot Creek is also a popular fishing area for anglers who enjoy catch-and-release fishing with artificial lures only. Tucked away, out of sight from Highway 395, the Hot Creek Geologic Site is an example of geothermal energy at work that brings enjoyment to thousands each year.

August 16, 1985

Youth soccer teams preparing for new season

Young soccer players wishing to par- players must attend an evaluation in order Each player must have a current sports may renew or purchase this card for their up. The fall Youth Soccer program is for team. youngsters entering first through sixth grades and will run from Sept. 28 through Nov. 23 with games every Saturday morn-

Registration is taking place through Sept. 13 at the ITT office from 9 a.m. to 5 p.m. Monday through Friday.

In order to register, athletes must provide their name, address, phone number, grade in school, and parent's signature allowing their participation. All new

ticipate in NWC Recreational Services' fall to be placed properly according to level of registration card on file at the Information dependants at a cost of \$10 for one child, \$13 Youth Soccer program may begin signing skill. All who register will be placed on a Ticket, and Tour Office, located in the west for two children, and \$17 for three or more.

side of the Community Center. Military DOD civilians may register their children

at the cost of \$14 for one child, \$19 for two children, and \$24 for three or more children. Private citizens may register their children at the cost of \$16 for one child, \$21 for two children, and \$26 for three or more children.

In addition to the registration fee, an equipment fee of \$2.50 is assessed each player each season. Players without uniform shirts may purchase one during registration for \$8.50



Next Tuesday is the last day to sign up and register for the Hunter Safety Class being offered by the Sierra Desert Gun Club. This two-day school will be conducted The class will meet from 8 a.m. to 3:30 p.m. on both days.

hunting license must receive training in ship and game management and conservation from a Certified Hunter Safety Instructor. Upon successful completion of such a training course, the student receives a validated Hunter's Safety Certificate which must be presented to the licensing Opens Sept. 1 agent when purchasing a California hunting license.

This school, which is open to all residents, over the age of 12 years, of the fuse opening day with opening weekend, Indian Wells and Searles Valleys and surrounding areas, will be taught by certified instructors of the Sierra Desert Gun Club at the club's rifle and pistol target range and clubhouse facilities on the Naval Weapons Center. The class will involve approximately fifteen hours of classroom instruction, including a one-hour written final

Advance registration and sign-up for the school is required, as the class is limited to 50 students. Interested persons may register at the sign-up table set up in the lobby of on Saturday and Sunday, Aug. 24 and 25. the Ridgecrest Police Station. The sign-up table will be open on Saturday, Aug. 17 from 9 a.m. to 1 p.m., and Aug. 20 from 7 to All first-time purchasers of a California 9 p.m. A \$10 registration fee will be collected at the time of sign-up. Eight dollars firearms and archery safety, sportsman- of the fee will be refunded to students completing the class.

Dove season

Hunters who plan to make the dove opener this year should be sure not to con-Department of Fish and Game officials

Mourning dove hunting season will open Sept. 1 this year, as it does every year regardless of the day of the week. This year, it happens to be a Sunday.

Dove hunters will not be allowed in the field to take dove on Saturday, Aug. 31 but DFG wardens will be there.



NICE THROW - It takes a strong throw from the Doc's third baseman to nail a Devils runner at first base in China Lake Military Softball - Photo by Steve Boster League play this week.

Sierra visitors can expect lots of fish, people

As summer vacation winds down, activi- Planted rainbow trout continue to provide ty increases in the Eastern High Sierra region. Tourist officials expect crowded school time.

Fishing reports from the Bishop salmon eggs. Chamber of Commerce show good results The same is true for Big Pine, Taboose

most of the result for visiting anglers. Lone Pine, Tuttle, and George Creeks are conditions at popular fishing areas and giving up pan-size plants on red eggs or campgrounds between now and back-to- cheese. At Whitney Portal Pond, plants are being landed with worms, cheese and

in some areas and little action in others. and Independence Creeks, with plants run-

Mountain lakes, streams • receive rainbow frout

conditions, the following lakes and streams, Lake, Shepherds Creek, South Lake, listed by county, will be restocked this Taboose Creek, Tinemeha Creek, Tuttle week with catchable-size rainbow trout Creek. from Department of Fish and Game hatcheries:

SAN BERNARDINO - Big Bear Lake, Green Valley Lake, Jenks Lake, Silverwood Lake.

KERN - Kern River (from Democrat Dam to KR1 Powerhouse, Borell Powerhouse to Democrat Dam and KR3 Powerhouse to Lake Isabella).

TULARE - Dry Meadow Creek, Freeman Creek, Kern River (South Fork, Fairview Dam to KR3 Powerhouse and Johnsondale Bridge to Fairview Dam), to Tom's Place and Tom's Place upstream Upper and Lower Peppermint Creek, Tule to Rock Creek Lake), Rush Creek, Saddle-River (North and South Forks of Main Fork and Cedar Slope area).

Bishop Creek (Lower, Middle, South and Bridgeport, Twin Lakes Mammoth, Intake II), Georges Creek, Independence Virginia Creek, Upper and Lower Virginia Creek, Lake Sabrina, Lone Pine Creek, Lakes, Walker River (from Chris Flat North Lake, Owens River (below Campground to town of Walker and Leavitt provement in sage grouse population, but average of more than five chicks per adult

Barring adverse weather, water or road Lake to the end of the road), Rock Creek

MONO - Bridgeport Reservoir, Buckeye Creek, Convict Creek, Convict Lake, Deadman Creek, Ellery Lake, George Lake, Glass Creek, Grant Lake, Green Creek, Gull Lake, June Lake, Lee Vining ings Creek, South Fork of Lee Vining Creek, Little Walker River, Lundy Lake, Mamie Lake, Mammoth Creek, Mary Lake, McGee Creek, Mill Creek, Owens River (at Benton Crossing and Big Springs), Robinson Creek, Rock Creek (from Paradise Camp bag Creek, Saddlebag Lake, Sherwin Creek, Silver Lake, Tioga Lake, Trumbull Tinemeha), Rock Creek (from Rock Creek Meadows Campground to Sonora Bridge).

ning up to 10-inches in size. In lower reaches of all three creeks, good-size native Mary, George and Twin have been well brown trout can be landed by experienced stocked for the weekend and are yielding anglers on grasshoppers, crickets or rainbow plants on bait and some artificial cheese

Sabrina and South Lakes are hosting lots with bait for pan-sized plants. of people, but giving up large numbers of pan-size rainbow trout. Everyone seems to luck throughout the loop. A combination of be catching some, with baits of all kinds red eggs and marshmallow or eggs and working for shore and still anglers. Trolling cheese work well for shore or still anglers is slow.

Rock Creek Lake and Rock Creek are with Needlefish. also busy this summer. Lots of nan-sized Martin lures.

Anglers are trolling deep at Convict Lake in an effort to get the big ones. From shore, use marshmallows or red salmon eggs.

bows and a few brookies to flies or red eggs. The upper Owens River is best when catching a few trout on flies, but not many fished with flies early in the day or even- are the 14-inch minimum keeper size.

ed season with limits and rules changed, is fair to good success with worms, cheese giving up brown trout up to six pounds, but and spinners. Some salmon are also being not many of them.

Sage grouse season cancelled

no sage grouse season in California. The of Crowley Lake sage grouse habitat and state Fish and Game Commission cancelled just 46 birds in the Bodie Hills location. INYO - Baker Creek, Big Pine Creek, Lake, Upper and Lower Twin Lakes the season because of poor sage grouse Wheeler-Fales habit didn't have any sage reproduction in the state.

> Coleville, reports there has been some im- adult overall this year, compared to an production of young remains very low.

In the Mammoth Lakes area, Lakes lures. Mammoth Creek is best when fished

June Lake Loop anglers are having good on all lakes. Trolling is best early in the day

Rush Creek is spotty, but when rainbows are being taken on night find the right spots they are pulling 15-tocrawlers, salmon eggs, cheese or Panther 18-inch native browns from the water. Anglers are using eggs, worms or Panther

Many back country lakes and streams are also spotty-good when the right spot is found. Brookies and browns are more ac-McGee Creek is yielding pan-size rain- tive now that spawning time is near.

On the East Walker River anglers are

And, at Bridgeport's Twin Lakes and the Crowley Lake, now in the special extend- reservoir, good-sized crowds are having taken from Upper and Lower Twin Lakes.

For the third straight year there will be Only 140 birds were seen during a survey grouse visble during the early July survey.

Ron Thomas, DFG wildlife biologist in There were less than two chicks for each during 1982.

August 16, 1985



QUESTION

Civilian - My husband and I have been concerned about conservation and recycling of useable materials. We always save our newspapers, tie them up in bundles, save and wash all bottles, discard tops and take all newspapers and bottles to the recycling center on the base. My husband has been employed as a civilian engineer on board for the past 14 years, so for a long time we've gone to the trouble to recycle because we felt it is the right thing to do.

We find it discouraging to pass the Chief's Club and find the trash containers overflowing with empty beer bottles. The usual number thrown out is enormous, but after special parties, all the bins are full of them. I don't know about other clubs, but I just happen to go by this one regularly, so I know that this has been the rule for many years.

Surely, if it is important enough to establish a recycling center that seems to be getting considerable cooperation from those of us living on base, then the Navy, too, should be responsible for recycling at their own places. ANSWER

The Center certainly appreciates your concern on behalf of the recycling efforts. The Center has always been a strong supporter of recycling and saving our natural resources. We have been one of the few bases who have found a way to make recycling work in our community, thanks to the many efforts such as yours and other citizens in our community.

In 1976 we did have special painted dumpsters at each ot the clubs tor glass recycling. Many problems developed such as having to separate the glass from trash and cans, labor required to haul the dumpsters, and glass loads being rejected at the market because of trash or other objects mixed in with the glass. Efforts to correct the problems were not successful and it became uneconomical and no longer feasible to continue this practice.

In the past we have used volunteer organizations, Boy Scouts, Church Groups, etc. to help in the area of recycling. These efforts are helpful but they only work for a short period of time. The Employee Services Board is always open to suggestions or ideas with the Recycling Chairman. For additional information call Doris Funk, Employee Services Board Business Manager, at NWC ext. 2929.

QUESTION

Civilian Employee - Could Personnel place a note on top of Life Insurance brochures given to new hires informing them that every day they do not decide whether or not to accept life insurance, they are being charged? It cost me \$10 because this information was not given to me when I came aboard this spring. Thank you.

ANSWER

When new employees come aboard there are a number of decisions they must make concerning their benefits. The fact that all new employees automatically acquire basic life insurance (unless a waiver of coverage is signed) is explained in the Federal Employees Group Life Insurance brochure included in all preemployment packages. However, due to the large volume of information given to new employees, and in order to ensure that this doesn't happen in the future, the Personnel Department has prepared a message to employees notifying them of the automatic life insurance coverage. This message will be stamped on the front of all insurance brochures. Thank you very much for bringing this to my atten-

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

Lora Pryor receives two 40-year pins

Receiving both a 40-year federal length of Skipper's office recently. Also attending the Allen, Ms. Pryor's immediate supervisor; Station/Naval Weapons Center length of the Fuze and Sensors Department; Sharon Department Head of Staff. service pin recently was Lora L. Pryor.

Ms. Pryor began her four decades of employment at China Lake as a clerk typist in the Supply Department in May 1945, a job she held until September 1946.

Re-employed in the Supply and Fiscal Department in December 1946, she continued as a clerk typist there until late 1949, when she became a telegraphic typewriter operator in the same department.

She again changed jobs within the Supply and Fiscal Department in late 1954, briefly becoming a clerk typist once more before becoming a card punch operator. After a brief time in Central Staff in 1969, she returned to the Supply Department, where she was a clerk typist until February 1977.

Ms. Pryor spent six years as a data transcriber in the Supply Department, before moving to the Fuze and Sensors Department in March 1983 as a clerk typist. Since last August, she has served as a mail/file clerk in the department office of the department.

Ms. Pryor's two 40-year pins were pres-Commander, in a ceremony held in the federal length of service awards.

service and a 40-year Naval Ordnance Test presentation were Matt Anderson, head of and Jerry Caffrey, Fuze and Sensors



LENGTHY SERVICE - Lora Pryor accepts Capt. K. A. Dickerson's ented by Capt. K. A. Dickerson, NWC congratulations after the Skipper presented her with 40-year NWC and - Photo by PH2 Rick Moore



Rockereer

NOW ON BOARD - Col. Roy Edwards, USMC, is double-hatted as Deputy Laboratory Director and as Marine Corps Liaison Officer.

Col. Roy Edwards takes over as Marine Corps Liaison Officer

aboard the Center as the Marine Corps Liaison Officer and as acting Deputy Laboratory Director.

Althought he's never been assigned to NWC, he's been on board a number of times and is familiar with the China Lake working environment. After he received his master's degree in research and development from American University, he worked with the Marine Corps Development Center at Quantico, Virginia and made many trips to China Lake and other Navy Laboratories while working on projects such as Laser Maverick and the Angle Rate Bombing System.

Col. Edwards says that he came to enjoy China Lake, and especially came to enjoy the people on board. "Here the environment is such that you get to know the people you work with as individuals, which really helps working relationships," he says.

In addition, he notes, he's pleased that the personnel at China Lake are all treated

Colonel Roy T. Edwards has reported alike - that each is held to be able to contribute - and that everyone is encouraged to study and learn so that they can continue to grow professionally.

"That's how you encourage creativity," Col. Edwards believes.

China Lake is really the third duty station in the desert for him. He was twice stationed at the Marine Corps Air Station in Yuma, Arizona. "China Lake is almost equally remote," he says, "but the temperature is a lot more comfortable because here it cools down at night," he

This he enjoys, because he runs about three miles a day to keep fit. His hubby, however, is not running; he's an avid hunter and is looking forward to both deer and bird hunting in the surrounding area.

A native of El Dorado, Arkansas, he attended Northwestern State College at Natchitoches, Louisiana and received a bachelor's degree in industrial education before enlisting in the Marine Corps.

He was commissioned a Marine Second Lieutenant in December 1961 and recived his Naval Aviator Wings in July 1963. After being assigned to Marine Attack Squadron 331 and Marine Air Base Squadron 31. Marine Corps Air Station, Beaufort, S. C., Col. Edwards served two tours in Vietnam from 1965 to 1966 and 1969 to 1970. While in Vietnam, he flew 298 combat missions.

Other assignments have included being an instructor pilot with VT-24 at Beeville, Texas, flying A-4 aircraft as Maintenance and Operations Officer for VMT-103, and serving as Commanding Officer of Marine Air Base Squadron 12.

Following that tour, Col. Edwards was assigned as the Laser Air Weaponry Project Officer for the Marine Corps Development Center before being assigned to the Marine Corps Air Station at Yuma as S-4 officer and then commading VMAT-102.

From July 1981 to May 1983, Col. Edwards was the Air Operations Officer for the U.S. Readiness Command at MacDill AFB, Florida. He then became G-4 for the First Marine Aircraft Wing. In July 1984, he assumed the duty as Commanding Officer of Marine Aircraft Group 12, First Marine Aircraft Wing. He left Iwakuni, Japan, for his present assignment.

Col. Edwards' personal decorations include the Distinguished Flying Cross, Defense Meritrious Service Medal, Air Medals and the Navy Commendation Medal.

Eugene Ely proves aircraft can land, take off from ships

(The following is the first installment of a multi-part series on the history of Naval Aviation in the United States.)

Naval Aviation could be said to date from Monday, Nov. 14, 1910 when Eugene Ely (a civilian) flew a Curtiss biplane from a wooden ramp built on the deck of a light cruiser, the USS Birmingham, stationary off Hampton Roads, Virginia.

A temporary platform had been erected on the Birmingham's bow, one that permitted only an 85-foot run and a 30-foot drop. Although the plan had been for the Birmingham to steam forward to aid in the takeoff, the ship was stationary when Ely took off shortly after 3:16 p.m. in a fog and light rain. He dipped down low enough to splash in the water - but was able to lift off and fly toward Willoughly Spit two and a half miles off, where he landed.

Ely's safety precautions included wearing a well-padded football helmet and having an inflated bicycle inner tube around his torso, as well as including two seven-foot pontoons for flotation under the wings of the plane.

U. S. Navy Captain Washington Irving Chambers had been appointed Officer-In-Charge of Naval Aviation in September 1910 and had been given neither staff nor money, but Capt. Chambers took his duty so seriously that he attended air shows. At one of these he met Ely and Glenn Curtiss. These two persuaded him of the need for naval aviation.

Capt. Chambers was able to convince the Navy of the desireability for the Birmingham test, a test that he had tried to convince the Wright brothers to undertake, but that they had declined. Curtiss was approached and agreed that he would provide the aircraft and the services of his contract pilot, Ely.

The next test after that was to prove that an airplane could land on a ship. The cruiser USS Pennsylvannia was chosen, and a wooden landing platform, 120 by 32 feet, was built over her stern. The platform had a 15-foot 30-degree sloping ramp to prevent the aircraft from striking the fantail, and wooden guards were built along the sides of the platform to keep the aircraft from going overboard.

Ely became concerned that the 1,000-pound brakeless aircraft could land on such a platform. He decided to fit three arresting hooks to the undercarriage of the Curtiss to engage with one of 22 manilla lines, raised about a foot high, stretched transversely across the deck. Each end of the lines was weighted with a 50-pound sandbag. Although it is not known for sure who suggested the idea, Ely is credited with the suggestion because he used a similar device to stop his race cars. (Ely and Capt. C. F. Pond, skipper of the Pennsylvania, had to pay for the arrester gear, the sandbags and guardrails out of their own pockets.)

On January 18, 1911, Ely took off from Tanforan field just south of San Francisco at 10:45 a.m. The cruiser was about 12 miles away in San Francisco Bay, and Ely made a successful landing at a speed of 35 miles an hour despite strong wind from the right.

> Although Ely himself was killed in an aircraft accident in October 1911, his successful flights had convinced the Navy that aircraft were essential.

> Lt. Theodore G. Ellyson was ordered to report to Glenn Curtiss Flying School on North Island, San Diego, in December 1910, just a month after the flight from the Birmingham to become the Navy's first serving pilot. American Naval Aviation Certificate No. 1 was issued to him on July 1, 1911. In March of 1911, \$25,000 was appropriated by Congress for experimental work in the development of aviation for naval purposes, and in May 1911, Capt. Chambers began negotiations for the purchase of two Curtiss aeroplanes, the first Navy aircraft.

> On Feb. 16, 1933, the United States honored Ely by presenting him with a posthumous Distinguished Flying Cross, accepted for him by his father, Army Colonel Nathan D. Ely.

> Rear Admiral W. A. Moffett, Chief of the Bureau of Aeronautics, said of Ely at the presentation that "Not only is recognition due him for thus creating a dream of the future which has borne the fruits of reality, but for his experimentation which brought him in the end to an untimely death





When a traffic accident occurred on Lauritsen, the driver of the vehicle was found to be under the influence of alcohol. The driver was arrested and held for five hours before being cited and released. +++

A motorcyclist hit the right rear of a parked vehicle. Moderate damage was parking lot. The helmet cost \$100. caused to the car, but the motorcycle was unhurt.

+++ Two burglaries occurred recently. Unknown persons broke into the Plaza snack bar and removed \$125 worth of merduring the burglary is estimated at \$500. +++

Unknown persons removed a swamp cooler from a trailer located in the old Valley View airport area. The missing while pulling into a parking place at NEX. think about a lot of things that I've not cooler's replacement value is \$300.

+++ Two bicycles were reported stolen on the same day and from the same location - the Center gym area. One of the bikes cost \$50, and the other \$150.

+++ An unknown person forcibly entered a refrigerator at the stables and removed candy and soda pop.

A suspect reportedly molested a female juvenile. The case is still under investigation.

+++

Over the weekend, including Monday, three drivers who were stopped for traffic violations were found to be under the in-

fluence of alcohol. In each case, the driver was held at the China Lake police station for five hours, cited into East Kern Mun- I've really been excited ever since I cipal Court, then released.

An unattended motorcycle helmet was removed from a motorcycle in the BEQ +++

Unknown persons entered a victim's valued at \$136.58, making this a petty theft. +++

minor damage when the driver misjudged economics." his distance. A driver hit a support beam support did well. +++

A victim reported that unknown persons problems and will give me a better entered a residence and removed \$100 in understanding of a corporate view. I also take classes, either as auditors or for currency. +++

An errant golf ball broke a window in a residence. The window cost \$40. +++

China Lake police arrested a burglary Sunday School registration begins suspect who is believed to be the person responsible for the burglaries at the Plaza offices.

+++

cle and removed a car radio valued at \$100.

Dr. Winkler heads to Stanford to become Alfred P. Sloan Fellow

family will be heading north to Stanford University where he will be an Alfred P. Sloan Fellow for the next academic year.

"I was happy about the prospect when the Corporate Planning Board approved my application," says Dr. Winkler, "and received the letter of acceptance in March.'

He says that the few remaining weeks before school begins will be full with preparing for the intensive program in

Cars did not fare well at the Center this In preparation for the year, he took an

"I'm looking forward to being able to The vehicle suffered minor damage; the thought about as an engineer," Dr. Winkler says. "I hope that this course will enable me to take a more corporate view of NWC hope to be able to consider the private credit. enterprise actions that may be applicable that we be as efficient as possible and get us."

Starting on Sunday, September 8, the snack bar and the Recreational Services Protestant Sunday School will hold classes from 9 to 10 a.m. in the chapel annexes west of the Branch Medical Clinic, as well and in the chapel office during the week. Unknown persons entered a locked vehi- as in the East Wing of the All Faith Chapel.

Classes will be for all ages from age 2 by telephoning NWC ext. 2873.

Next week Dr. Guenter Winkler and his as much for the taxpayer's dollar as possi-

He's also looking forward to the interaction with the other Sloan Fellows, all of



Dr. Guenter Winkler

ranks but are considered to have top management potential or they would not be accepted in the program.

Dr. Winkler's wife, Barbara, intends to take undergraduate classes in the undergraduate business school at Stanford University (where they'll be living on campus). The spouses of Sloan Fellows are encouraged to take part in seminars and to

"It should be a stimulating and rewarto NWC operations, because it's important ding year," Dr. Winkler notes, "for both of

through adult

Registration for these classes will begin Sunday after the morning worship service Those who are interested can also register

which a two-year course is crammed into one year. He was sent six books - a math unlocked car and removed two flight suits review, three books on accounting, one on economics and one on macro economics to study before the school year begins.

chandise. In addition, they caused \$50 past week. In a series of minor accidents, accounting course at Cerro Coso this damage to a window. Unknown persons the one driver hit a parked car while parallel spring, and he has studied at least one of next night forcibly entered the Recre- parking his vehicle, causing minor dam- the accounting books. The economics books ational Services Building. Damage caused age. Another driver failed to see a car he finds especially interesting, "If someone whom come from middle-management while backing; result was minor damages. thinks that microwaves are black magic," Backing created another accident with he says. "they've not looked at the field of

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Rocketeer

AQAN Scott Jones accorded top VX-5 honor

(VX-5) has selected Aviation Fire Control Technician Airman Scott A. Jones as Sailor of the Month for July.

AQAN Jones, presently assigned duty in the Integrated Weapons Team Branch, is responsible for maintaining fire control systems such as radar, weapons control computers and bomb delivery on A-6E and A-7E aircraft assigned to VX-5.

Airman Jones was named Sailor of the Month for the Vampires based on his work since joining VX-5 in May of 1984 after an initial year with VA-122 at NAS Lemoore. A native of Worth, Ill., AQAN Jones

received a letter of commendation from

Weinberger establishes new office

Secretary of Defense Casper W. Weinberger has created a new office to consolidate management of DOD's acquisition management process, its supply and logistics programs, and all military installations.

Dr. James P. Wade, Jr. has been named assistant secretary for acquisition and logistics. At the time of his appointment, Dr. Wade served as assistant secretary for development and support, and principle deputy under secretary for research and engineering.

Before the reorganization, responsibility to be assumed by Dr. Wade's office was split between two DOD executives, the assistant secretary for manpower, installations and logistics, and the under secretary for research and engineering.

The action, part of a reorganization plan announced in January, redesignates Dr. Lawrence J. Korb, assistant secretary for manpower, installations and logistics since 1981, as the assistant secretary for force management and personnel.

The reorganization is designed to free the research and engineering and force management and personnel offices to concentrate on critical issues in their areas, while reflecting on DOD's continued emphasis on the management of acquisition and logistics programs.

Because all manpower for the new office will be drawn from existing DOD offices, the creation of a new office will result in no quirements.

ficer of VX-5, for his selection.

"While assigned to the Integrated Weapons Team Branch, you have demonsionalism," wrote Capt. Phillips. "Your Skipper.

Air Test and Evaluation Squadron Five Capt. A. Martin Phillips, Commanding Of- eagerness to learn, and ability to quickly grasp, the concepts of A-6E and A-7E weapons systems were instrumental to your work center's ability to achieve and maintain an overall 95 percent weapon strated the highest caliber of profes- systems availability," added the VX-5

Military

An avid competitor, AQAN Jones enjoys many sports, including softball. The top sailor of the month for VX-5 is a member of VX-5's Commander's Cup softball squad and the NWC varsity team.

Airman Jones said Navy training in electronics, the chance to travel and the opportunity to have a part in the nation's defense were among the reasons he enlisted in the Navy. He has been on active duty since April, 1983.

As VX-5's Sailor of the Month he becomes eligible for Sailor of the quarter competition, has a reserved parking place at the hanger for a month, a special 72-hour liberty and a plaque with his name engraved on it as Sailor of the Month.



net increases in the size of the office of the AQAN Scott Jones, VX-5's Sailor of the Month for July, a recent flight by one of the squadron's A-7E airsecretary of defense or in its bugetary re- safety wires an adapter power supply to secure before

- Photo by PH3 Greg Hogan craft.



UP FOR FOUR MORE — Aviation Support Equipment Technician Mechanical Third Class Kirk Tripplett works on some equipment in the Ground Support Equipment compound. ASM3 Tripplett, a pyrogenics technician at GSE. recently reenlisted for a four year tour of duty. In the Navy for three years, Petty Officer Tripplett has spent the past two at China Lake.

Photo by PH2 Rick Moore

Military bowlers have special rate

Active duty or retired military person and their dependents are eligible for Hall Memorial Lanes military bowling special through the end of August.

Eligible bowlers have their choice of three red pin games for \$2 or regular bowling for just 50¢ per game at the facility operated by Recreation Services Department's Sports Branch.

Also at Hall Memorial Lanes, bowlers are being sought for fall and winter leagues. Fall league bowling begins in September. Interested teams should make their reservations now. For more information cali NWC ext. 3471.

All-sports meeting set

All military personnel at China Lake interested in a year-round sports program are invited to attend a meeting at the NWC Gym on Aug. 23 at 3:30 p.m.

For additional information about this proposed program call the Sports Branch office at NWC ext. 2334 or 2571. Interested athletes can also stop by the sports office in the gym Monday through Friday from 8 a.m. to 4:30 p.m.

CSCI 171: COMPUTER ARCHITECTURE (3 units) 7, 8 September; 5, 6 October; 26, 27 October: Saturday and Sunday; 0800-1600; Safety Building. By: Professor John Slater, CSUC.

Prerequisite: Assembly language programming. Scope: Internal processor architectures, basic combinational and sequential logic, codes, instruction sets and instruction decoding, memories and memory operation, arithmetic units, stack structures. Note: This is a core class (BS and MS).

CSCI 322: ARTIFICIAL INTELLIGENCE (3 units) 28, 29 September; 2, 3 November; 23, 24 November; Saturday and Sunday; 0800-1600; Safety Building. By: Professor Bruce Pamplin, CSUC. Prerequisite: Graduate status.

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

Long-term graduate training

Applications for long-term graduate level training (training off-Center for a period of 120 consecutive days or longer) for 1986-87 are invited from interested NWC employees.

To be eligible for long-term training, an individual must have been employed at NWC three years at the time studies begin.

Long-term training may be considered to meet any of the following objectives: (1) To update an employee's knowledge where there has been an appreciable lapse of time since the initial academic preparation for employment and subsequent in-service training.

(2) To provide a technically oriented employee with tools of management when job responsibilities have or will become predominantly managerial in nature.

(3) To expand an employee's knowledge and background within his or her occupational specialty, whether he or she occupies a technical or nontechnical position, by providing an opportunity to learn about significant developments or breakthroughs as they pertain to the mission of the Center.

(4) To acquire knowledge of some aspects of another occupation as they relate to an employee's present occupation where responsibilities tend to be interdisciplinary or multidisciplinary in nature.

(5) To provide for educational opportunities stressing motivational and human relations factors that contribute to effective technical and managerial competence.

Graduate programs are supported by NWC. The Long Term Training Committee (LTT) will consider applications in any area of study that relate directly to NWC program requirements. The primary criteria the LTT follows in determining when long-term training is used in lieu of after-hours, part-time, or shortterm programs are as follows:

(1) The new knowledge and skills required of the employee, either in present or planned career assignments, necessitates a comprehensive, concentrated program of study.

(2) The time span for acquisition of new skills and knowledge is such that an accelerated study program of long-term, full-time duration is required.

(3) It is determined that the academic superiority of the institution selected is such that it is clearly in the best interest of the government that the employee attend the selected educational institution.

(4) There is no educational institution or academic program in the local or community area for part-time or after-hours training.

Navy Civilian Personnel Command funds are available to cover the trainee's travel allowances to and from the school, tuition and fees required for enrollment, and payment for moving his or her immediate family and household goods to the school and back to the Center. NWC will be responsible for the trainee's salary.

Requests for extensions for fellowships that have previously been approved will be considered by the Long Term Training Committee. All personnel should include in their extension request a record of the grades received to date, future planned courses both during the approved period and the period requested in the extension. An alternative course of action (LWOP, on-Center work, reapplying at a later date) should be provided in the event that the extension is not approved. All extension requests require a department endorsement (either positive or negative) in order to be considered by the Long Term Training Committee.

The following areas of critical need have been established by Center management. Particular interest this year exists in the areas of RF Technology and Computer Software Engineering. Other critical areas are: Computer Science (in a specialization other than that offered at NWC); Electrical Engineering (particularly software, facilities, electronic design, semi-conductors, systems); Mechanical Engineering (analytical mechanics); Aeronautical Engineering; Chemical Engineering; Chemistry; Physics (particularly microwave, optical science, semi-conductors); Applied Mathematics; and Economics/Financial Analysis/Cost Accounting with ADP background.

Further details of the long-term training program are provided in NAVWPNCEN INST 12410.5L of 30 Sep 1982, and Long-Term Training Handbook. Both sources are available from department offices or from the Training Center. The long-term training application process has been streamlined since issuance of the handbook, so applicants are advised to contact Code 01A2 (NWC ext. 3793, Bldg. 5, Rm. 20102) for application forms. The deadline for submission of applications for programs commencing in the spring semester or winter-spring quarter of 1986-87 is 1 October 1985.

Counseling regarding the various programs and on application procedures is available from Code 094, Nancy Saxton, and Code 01A2, Fred Bien or Tina Deal. For additional help or information, contact Fred Bien or Tina Deal by calling NWC ext. 3793.

applications-robotics and natural language translators.

CSCI 227: DISCRETE SIMULATION SYSTEMS (3 units) 18-20 October; 15-17 November; 13-15

December; Friday, 0800-1200; Saturday and Sunday, 0800-1600; Safety Building. By: To be announced.

Prerequisite: CS16 or 23. Probability and statistics recommended.

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

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

Prerequisite: CS16 (Pascal Programming).

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

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

MATH 477: LINEAR ALGEBRA (5 quarter units)

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

Prerequisite: Math 6C (third semester calculus). Scope: Systems of linear equations, matrices,

vector spaces, dimensions, determinants, linear transformations, eigenvalues, and eigenvectors. Note: This is a required class for the BSCS Math-

Science option and an optional requirement for the BSCS systems option and as foundation for the MSCS.

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

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

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

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

personnel development opportunity ρ

ADVANCED SURFACE DESIGN (40 hours) 9-13 September. 0730-1630, Trailer 1410.

Prerequisite: ADVANCED MECHANICAL DESIGN. Scope: This laboratory-centered course will teach designers how to create surface representations of parts.

Deadline: 26 August.

MAKING IT COUNT - COMPUTER FUNDAMENTALS (26 hours)

10 September-22 October; Tuesday and Thursday (0800-1000), Annex 1. By: Daryl Vaughn.

Intended audience: Beginning computer students (all levels).

Scope: This course consists of the Boeing Computer Services videotape lecture series and workbook exercises "Making It Count." It will give you a fundamental understanding of computer concepts, history, vocabulary, programming languages, hardware, procurement, program design, and career opportunities in computing. An instructor will be available to answer questions. Deadline: 27 August.

Kalman Filter class open

Lancaster.

for personnel from Edwards Air Force the course. Base.

The course is designed for scientists and LeMay. engineers who want to know what Kalman Anyone interested in attending the class Filtering is, including its theoretical origin, should telephone Jeannie Craddock at NWC and how to apply Kalman Filtering tech- ext. 2359 promptly. In addition, prospective niques in problems motivated by physical students will need to submit a DD 1556 systems.

Five spaces are still available for a class Since systems-level performance predicon Kalman Filtering to be held Sept. 9 tions using simulation and or test data is a through 13 at the Antelope Valley Inn in large application area for Kalman Filter techniques, parts of classical statistics and Ten of the 20 student spaces have been statistical inference as well as Monte Carlo reserved for NWC personnel; the other 10 techniques for simulations are included in

Instructor for the course is Dr. Joseph L.

off-Center training request form.



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 gualification requirements by the closing date. Applicants will be evaluated on the basis of experience, education, training, performance ratings and awards as indicated in the SF-171 along with any tests, medical examinations, performance evaluations, supplemental qualification statements and/or interview that may be necessary. Career ladder promotions are subject to satisfactory performance and cannot be guaranteed. APPLICATION PROCEDURES: Candidates must submit a current SF-171, along with a supplemental qualifications statement (if required), and should submit a copy of their latest Annual Performance Evaluation if relevant to the vacancy. If a supplemental statement is not required, candidates are encouraged to submit additional information which the addresses the specific Knowledges/Skills/ Abilities (KSAs) cited in the ad. Write the position title/series/level and announcement number of the SF-171 and all attachments. Be sure that your forms are complete and accurate since you cannot be rated on missing data nor will you be contacted for additional information. Be certain the SF-171 and supplement are dated and have original signatures in ink.

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

No. 08-034, Management Assistant, GS- conducting financial analysis. Job Ele-Office Systems Support Branch, Managequisition and management of word pro- motion potential to DP-3. cessing equipment, typewriters, facsimile tion to analysis projects, office systems, ses and assistance in the completion of the required NWC and/or higher authority justifications for equipment acquisitions. dependently with minimal supervision.

No. 08-041. Budget Analyst. DA-560-1/2, 100 of the Personnel Department.

344-5, Code 0823 - Position is located in the ments: Ability to gather and analyze raw financial data; prepare clear and concise ment Division, Central Staff. Branch is written and oral communications: deal responsible for the coordination of the ac- tactfully and effectively with others. Pro-

No. 08-042, Laborer, WG-3502-3, Code 0852 and dictation equipment, management of - This position is located in the Michelson the Word Processing Center. The incum- Laboratory Guard-Mail room. Incumbent bent will be in a training position designed will pick up and deliver mail and other to provide the incumbent with an introduc- documents at all pick-up points throughout the Center. This mail consists of bags and procedures, and equipment probelms. boxes weighing from 40 to 120 lbs. Job Tasks will include data collection, inter- Elements: Must be physically capable of pretation, and the matching of task re- continually moving heavy items weighing quirements to appropriate choices of up to 120 lbs., which will include lifting, equipment preparation of economic analy- pulling, tugging, pushing, throwing and stooping

No. 09-53, Administrative Jr. Professional, DA-301-1, Code 092 - Incumbent will Other tasks will include liaison with ven- be sponsored by the Administrative dors to coordinate training of operators Development Committee (ADC) and will installation and delivery of equipment re- take six-week tours in administrative funcquirements and the stocking of proper sup- tions such as budget, personnel, supply, plies (including quality assurance studies and management analysis. The program is of various supplies), liaison with contractor designed to identify and develop those with personnel, and assistance with the duties of high potential for senior administrative and the Technical Coordinator for that contract. staff positions within the federal civil ser-Job Elements: Ability to work well with vice. Elements: Knowledge: of manageothers; ability to work under pressure; ment systems and theories of organization. ability to communicate effectively both Ability: to gather, compile, analyze infororally and in writing; ability to use tact mation and data; to organize and present and diplomacy in dealing with both on and data in writing. Promotion potential to analyze facts, alternatives and problems off-Center personnel; ability to work in- DP-3. Supplemental experience statement and make decisions based on this analysis; is required and may be picked up in Room

Code 083 — Incumbent provides resource No. 09-54, Clerk-Typist, GS-322-4 or support services to one of NWC's operating Employee Development Clerk (Typing), apply. Promotion potential to DP-3. departments. Responsible for all phases of GS-203-4/5, Code 094 - Incumbent will budget execution, formulation, control and provide assistance to an Employee

will provide information to employees and fuel storage facilities and the propane gas supervisors on training opportunities, enroll employees in classes, maintain fiscal records, arrange for classes, prepare reports, maintain records, and provide support for various staff personnel and instructors from the universities providing programs at NWC. Elements: Ability: to communicate effectively; to deal tactfully with all levels of personnel; to type; to organize and carry out a variety of duties with considerable flexibility. Status eligibles may apply. Promotion potential to GS-5.

Personnel

News & Notes

No. 14-118, Computer Specialist/ Computer Systems Analyst, DS-334-3. (Multiple Vacancies), Code 1413 - These positions are located in the Data Management Applications & Tools Branch, User Technologies & Applications Division, of the Information Systems Group. Incumbents will provide systems programming support to DMS-110 and ANS (AMERICAN NATIONAL STANDARD) COBOL Center and contractor users. The incumbents will support Code 143 as required concerning OS-1100/ANS-COBOL and OS-1100/DMS-1100/TIP-1100DBA System functions Systems programming support functions include user consultation (including data base design assistance) program troubleshooting, identifying and reporting software "bugs" to the appropriate vendor, obtaining and/or conducting user education classes, and ensuring that up-to-date documentation is available to the user through the Central Computing Facility library. Elements: Ability to interface with all levels of personnel, both on-and off-Center; knowledge and expertise with UNIVAC'S DMS-1100 CODASYL (Conference for Data Systems Languages), ANSCOBOL, and DBMS (network). Promotion potential DP-3. Previous applicants need not reapply.

No. 14-133, Interdisciplinary, General/ Electronics Engineer/Physicist Mathematician/Computer Scientist, DP-801/855/1310/1520/1550-1/2/3, Multiple Vacancies, Code 1411 - These positions are in the Personal Computer Resources Section of the User Support Branch, Code 1411. The incumbent will provide hardware/ software support and consultation to the customers. Support will include, but is not limited to helping customers select optimum PC hardware/software, instructing in the use of hardware/software, analyzing customers PC problems and recommending appropriate solutions, and recommending items to be stocked and supported. Job Elements: Experience with personal computer hardware/software especially IBM PC and clones, Macintosh, and Hewlett Packard) understanding of PC and interfaces; ability to express thoughts to communicate orally and in writing. effectively, and work as part of a team. Status eligibles may apply. Previous applicants need not reapply. Promotion to DP-3.

No. 25-081, Contract Specialist, DA-1102-1, Code 2525 - Incumbent, under close supervision of senior Contract Specialist, provided with progressively responsible experience in analyzing packages, negotiating with contractors, awarding and administering wide variety of contract actions. Experience gained in all facets of Government R & D contracting. Elements: Knowledge: of business practices. Ability to meet and deal effectively with people; to to speak and write effectively: to prioritize and process in an orderly manner multiple tasks simultaneously. Status eligibles may

No. 26-188. Fuel Distribution System Worker, WG-5413-6, Code 26422 - Supmonitoring of direct, overhead, capital and Development Specialist in carrying out the plemental required. Performs and is

distribution systems. Job Elements: Ability to do the work of the position without more than normal supervision; knowledge of equipment assembly, installation, repair, etc.; operation of pumps, compressors and accessory equipment; technical practices, use of measuring instruments; ability to interpret instructions, specifications, etc.; dexterity and safety.

No. 35-079, Supervisory Interdisciplinary (General/Electronics/Aerospace Engineer/Physicist/Mathematician/ Computer Scientist), DP-801/855/861/ 1310/1520/1550-3/4, Code 3511 - This position is that of head, Computer and Software Systems Branch. Incumbent is responsible for the supervision, direction, and management of personnel who are developing, operating, and maintaining the HARM Software Support Facility. Project, program, or supervisory experience is desired. KSAs: Knowledge of the software development process and tools. Ability to prepare plans and implement tasks to meet schedules; ability to communicate effectively, both orally and in writing; ability to deal effectively with NWC management, NAVAIR, and contractors. Willingness to support NWC EEO policies and goals. If selection is made at the DP-3 level, this position has promotion potential to the DP-4 level; however, it is not guaranteed. Candidates for DP-4 level will be eligible for selection on a reassignment basis.

No. 35-080, Computer Specialist, DS-334-1. Code 3515 - Incumbent will carry out procedures relating to configuration management of EW tactical embedded software. Procedures include handling of documents and computer media with an emphasis on automated (computer data base) CM programs. Software library maintenance will be included. KSAs: Knowledge of computer operation (OS language, editor, word processor, etc.). Ability to initiate and maintain software CM data base program. Ability to deal with technical personnel at all levels, on and off the Center. Promotion potential: DS-2.

No. 36-288, Logistics Management Specialist, DS-346-1/2/3, Code 3664 - Incumbent is responsible for preparing and implementing ILS plans for DOD weapon systems/equipment Establishes logistics support criteria for system specifications, solicitation packages, contracts, and life cycle cost studies. Prepares and manages budgets for cognizant programs and ensures system support during deployment and operation. Elements: Knowledge: of logistics planning techniques and methods, logistics maintenance and support principles; of military command structure and how it relates to logistics support of tactical operating systems and communication missile systems. Ability: to participate eftechniques; familitarity with peripherals fectively as a member of a technical team; Promotion potential to DS-3.

No. 36-294, Computer Clerk, GS-335-3/4, Code 36572 - Responsible for assisting the second shift Computervision System Manager in support of the production shift. Duties include backup of production files, system reboots, file retrieval from backup and archive tape libraries (using an IN-GRES database to identify which tapes contain the requested files), logging problem calls when hardware fails, and performing customer maintenance on equipment, such as cleaning tape drives and plotters. NOTE: second shift begins at 1600 hours. Elements: Ability: to learn to perform diverse computer operator functions; to communicate effectively with others; to work well with others; to observe and record observations. Promotion potential to GS-5.

No. 36-295, Equipment Specialist (Missile), DS-1670-2/3, Code 3655 - Provides technical assistance/advice on service center budgets. Responsible for academic employee development program, responsible for all operations of the liquid system and equipment maintenance to

design and test engineers, weapon system planners, and equipment operators, and provides technical and management support for the development of maintenance/ provisioning technical data used by United States military and foreign government personnel to procure spare parts, operate, test, repair, and calibrate systems and/or equipment. Elements: Knowledge: of missile/air-launched ordnance/avionics systems; of related support/test equipment; of engineering and logistics disciplines involved with hardware design and support; of both Navy and Air Force maintenance levels and maintenance manual/provisioning systems. Status eligibles may apply. Promotion potential to DS-3.

No. 36-287, Materials Engineering Technician, DT-802-2, Code 3643 - Incumbent is responsible for the application of quality control during the development and testing of weapons systems, related equipment and components thereof; performs work requiring the use of nondestructive tests and inspection equipment requiring development of methods and techniques for use of this equipment under the cognizance of a senior technician. Formal inspection reports and memos are required as a result of incumbent's duties. Elements: Knowledge: of quality control procedures and policies. Ability: to perform non-destructive test and inspection techniques; to communicate effectively both orally and in writing. Promotion potential to DT-3.

No. 36-290, Clerk-Typist, GS-322-4, Code 3606 — Incumbent provides clerical support to the Program Office secretary. Duties consist of typing official letters, memoranda and reports; maintaining office files; performing timekeeping duties, making all arrangements for official travel, etc. Elements: Knowledge: of office procedures and process; of NWC procedures and policies. Ability: to type on both word processing equipment and IBM Mag Card II. Status eligibles may apply. Promotion potential to GS-4.

No. 62-092, Electronics Technician, DT-856-1/2/3, Code 6236 - This position is located in the Radar Branch, Instrumentation Division, Range Department. The incumbent will operate, repair, modify, maintain and calibrate radar systems, subsystems and related equipment. Job Relevant Criteria: Knowledge of Nike, Hercules, Western Electric radar family, RCA and FPS-105 Radar; knowledge of application, design and maintenance of RF threat simulation; Knowledge of digital circuits and computer applications. Status eligibles may apply. Multiple positions.

No. 62-103, Supervisory Interdisciplinary (Electronics Engineer/Computer Scientist, DP-855/1550/3, Code 6235 - Serves as head of Projects Section, Range Development Branch. Responsibilities include integrating and managing a VAX computer system, defining improvements to existing TSPI systems, organizing software programs for OADS system, analyzing OADS math algorithms, developing new range instrumentation systems. Job Elements: Knowledge of instrumentation interface Hardware, real-time operating software for embedded computers & radar systems. Ability to perform as a first line supervisor. Knowledge of affirmative action policies including the willingess to support EEO goals.

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

potential to DT-3.

No. 6236-056, Electronics Technician, DT 856-A/1, Code 6236 - Position is located in the Radar Branch, Range Instrumentation Division. This is a detail for growth purposes NTE 120 DAYS. Incumbent will be responsible for repair, maintenance, operation and troubleshooting of a variety of electronics equipment.

No. 64-119, Supervisory Electronics Engineer, DP-855-3, Code 64242 - This position is head, Engineering Support Section. Telemetry Systems Branch. Telemetry/Test Engineering Division of the Aerosystems Department. Incumbent will perform engineering design, development, and specification of various systems. equipment, and components for electronic measurement and communication necessary to meet data and operational requirements of various missile programs. Incumbent performs technical studies and analysis in order to determine the adequacy of instrumentation and measure ment techniques to be applied to specific missile tests in order to satisfy the data requirements. Job Elements: Ability to perform as a first line supervisor, Knowledge of Affirmative Action Principles including a willingness to implement EEO practices; knowledge of telemetry systems. Previous applicants may re-apply.

No. 24-149, Logistics Management Specialist or Communications Specialist, DA-346, 393 -3 or DP-346, 393 -3, Code 2408 -This position is the Naval Weapons Center Communication Security (COMSEC) Officer located in the Safety and Security Department. Responsible for the development, implementation and management of the total NWC COMSEC Program. Secure communication design/ review responsibilto include: computer networking systems, microwave systems, air-to-ground communication, etc. Manage crytographic equipment on Center; perform TEMPEST responsibilities (insure secure design/use of communications and computer equipment); design and implement a COMSEC training program. Job Elements: Knowledge of secure communication theory and techniques. Ability to develop, implement, and manage a program which impacts across the center. Ability to deal effectively with all levels of center personnel. Promotion potential DP-3.

No. 24-151, Security Specialist, DA-080-3 or DP-080-3, Code 2408 - This position is in the Naval Weapons Center Communications Security (COMSEC) Officer located in the Safety and Security Department. Responsible for the development, implementation and management of the total NWC COMSEC Program. Secure communication design/review responsibility to include: computer networking systems, microwave systems, air-to-ground communications, etc. Manage cryptographic equipment on Center: perform TEMPEST responsibilities (insure secure design/use of communications and computer equipment); design and implement a COMSEC training program. Job Elements: Ability to' develop, implement, and manage a program which impacts across the center. Knowledge of secure communication fectively with all levels of center personnel. Promotion potential DP-3

856-3. Code 3144 - Incumbent performs with the A-6E avionics (GPS, TRAM, FLIR AND IRVAT) and weapons (Maverick, Harm, Harpoon and GASM). Frequent contact with sponsors, pilots, contractors, other Navy activities and performing organizations to provide technical information, to coordinate schedules and testing, to plan new/follow-on tasks or to provide airborne systems. Ability to communicate, both orally and in writing, to work effec-DT-3

Secretarial opportunities

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

Applicants will be rated against 4 or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

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

No. 31-190, Secretary (Typing), GS-318- Promotion potential to GS-5. Status eligi-3/4. Code 3153 - This position serves as bles may apply. Secretary to the head, Infrared Systems Branch. Promotion potential GS-5. Status applicants may apply

No. 25-080, Secretary (Typing), GS-318-5, Code 2502 - Provides secretarial support to the Supply Staff Office, Supply Departmen

No. 64-115, Secretary, GS-318-4/5, Code 6413 - The incumbent provides clerical, typing and other administrative support to personnel of the Program Support Branch. If filled at the GS-4 level, promotion potential to the GS-5 level not guaranteed.

No. 36-293, Secretary (Typing), GS-318-3/4. Code 3623 - Provides secretarial support to the head, Missile Support Branch. Previous applicants need not apply.

No. 36-291, Secretary (Typing), GS-318-4/5, Code 3603 - Provides support to CAEP Office. A willingness to learn the effective use of the VAX is a key requirement of this position. Promotion potential to GS-5.

No. 35-060, Secretary (Typing), GS-318-4, Code 3515 - Incumbent will provide support to the Head, Embedded Tactical Software Branch. Promotion potential: GS-5. Previous applicants need not reapply.

No. 35-072, Secretary (Typing), GS-318-4, Code 3541 - Incumbent provides secretarial support to the Head, Radar Development Branch. Xerox 860 experience desired. 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.

Materials, Mechanical, Aerospace, Industrial Engineer, DP-801/806/830/861/ 896-3, Code 3261 - Multiple Vacancies. Incumbent will be the project engineer for Aerospace Engineer, Chemist, DP-803/ full-scale engineering development (FSED) of an improved warhead for a major cumbent is responsible for implementaweapon system (HARM or HARPOON). theory and techniques. Ability to deal ef- Incumbent will participate in the warhead design and explosive selection process. The weapon systems development. Assigned following types of experience desired: FS-No. 31-191, Electronics Technician, DT- ED experience and familiarity with Center acquisition, management review, and system engineering function in the documentation policies/instruction; expe-Weapons Integration Branch associated rience in planning and managing the production engineering of the design, fabrication, testing, and documentation with the appropriate on-Center and off-Center interfaces. To apply, send an updated SF-171 to N. Fasig, Code 3261, NWC ext. 2261. Previous applicants need not reapply.

No. 33-027, Electronics Engineer, DP-855-2, Code 3314 - Employee develops detailed technical weapons integration re- signal processing simulation models, target quirements is part of the responsibilities of scattering models, data base management this position. Job Elements: Knowledge of software, and graphics software. This posielectronics as it applies operations, and tion is at the Encounter Simulation Laboapplications. Knowledge of Maverick or ratory (ESL), Corona, CA, which is a radio Harm missile systems and operation and of frequency simulation and measurement facility. The employee develops and uses the software needed to manage the data to Ravindra Jain, Code 3664. base at the ESL and to put that data in a form suitable for analysis. Promotion potential DP-3, but not guaranteed. Submit

No. 32-178, Interdisciplinary General, current SF-171 to Laurie Saiken, Code 331, NWC ext. 3093.

> No. 36-289. Interdisciplinary Mechanical/General/Electronics/ 801/855/861/1320-1/2/3, Code 3664 - Intion of integrated logistics policies and procedures during the acquisition phase of tasks include logistics criteria for system specifications, logistics support analysis, maintenance planning/engineering, and ILS management of assigned programs. This position requires a considerable amount of technical coordination with personnel within NWC, NAVAIR, Navy field activities, other services, and prime contractor. Knowledge and experience is desirable in logistics planning techniques and methods, logistics maintenance and support principles and military command structure and how it relates to logistics support of tactical missile systems. The ability to participate effectively as a member of a technical team, to communicate orally and in writing is necessary. Incumbent must be willing to travel approximately 25% of the time. Status eligible may apply. Submit current SF-171

No. 31-192, (Interdisciplinary) Aerospace, Electronics, General, Mechanical Engineer, Physicist, DP-

incumbent performs systems engineering functions in the Weapons Integration Branch associated with the A-6E avionics (GPS, TRAM, FLIR AND IRVAT) and weapons (Maverick, Harm, Harpoon and pilots, contractors, other Navy activities and performing organizations to provide technical information, to coordinate schedules and testing, to plan integration requirements is part of the responsibilities of the position. To perform this job an applicant should have a knowledge of electronics as it applies to systems, weapons, testing, operations, avionics integration, operations, and applications and a knowledge of Maverick or Harm missile systems and operation and of airborne systems is desireable. To apply for this position, please send your updated SF-171 to Robert J. Anderson, Code 3144, NWC ext. 5980.

No. 12-010, Interdisciplinary (Mechanical/Electrical/General/ Aerospace Engineer, Physicist, Operations Research Analyst, Mathematician), DP-855/801/830/861/1310/1515-2/3, Code 12 -This position is located in the Weapons Planning Group (Code 12). The incumbent will be assigned to the Antiair Warfare

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performance of existing and proposed designs of weapons and components of weapons; investigating weapon require-GASM). Frequent contact with sponsors, ments; projecting probable threat responses; or determining the future course of naval aviation and the Center. The results of these efforts are reported both in writing and oral presentations. Submit a current SF-171 to Frank Buffum. Code 12, NWC ext. 3811.

No. 14-34, Interdisciplinary, Electrical/ General/Mechanical Engineer, DP-805/ 801/830-1/2/3, Code 1421 — This position as a Network Facility Engineer is located in the Communications Development Branch. to analyze facility requirements for the NWC Digital Switch, Fiber Optic Trunk 171 to Clint Seal, Code 1421, NWC ext. 1303.

Clerk-Typist

Clerk-Typist

861,855,801,830,1310-2/3, Code 3144 - The Program and will be involved in analysis position is in the Naval Weapons Center other mainframe computers. To apply for studies covering a wide range of AAW Communications Security (COMSEC) Of-Department. Responsible for the development, implementation and design/review responsibility to include: computer networking systems, microwave systems, air-to-ground communications etc. Manage cryptographic equipment on Center; perform TEMPEST responsibilities (insure computer equipment); design and imple-SF-171 to Don Cortichiato, Code 2402, NWC ext. 3521

> No. 36-292, Interdisciplinary Computer Specialist/Mathematician/Electronics/ The prime function of this position will be Aeronautical/Mechanical/General personnel to ensure timely prosecution of Engineer/Physicist, DP-1550/1520/855/ 861/830/801/1310, DP-1550-1/2/3, Code 36581 System, and Local Area Networks. This - The incumbent's primary responsibility position will include facility planning, will be to develop and program new graphdesign, and specification generation. To ics software on the 16 bit graphics comapply for this position, send a current SF- puter aided engineering (CAE) systems. Other duties will include directing contrac-No. 24-150, (Interdisciplinary) Electrical tor support developing software, and Engineer, Electronics Engineer, Operation developing engineering analysis on a VAX Research Analyst, Computer Scientist, 11/750 as well as communications interface DP-850/855/1515/1550-2/3, Code 2408 - This software between the CAE system and

> this position, submit current SF-171 to Judy issues. Typical duties involve: analyzing fice located in the Safety and Security Thornberry, Code 36502. Promotion potential to DP-3.

> > No. D-39-075, Interdisciplinary (General Engineer/Electronics Engineer/ Mechanical Engineer/Aerospace Engineer/Physicist), DP-801/855/830/861/ 1310-3, Code 3908 - Responsible for effective operation of the Sparrow AIM/RIM-7M secure design/use of communications and production change process. Manages assessment of proposed modification to the ment a COMSEC training program. To ap- missile. Leads technical team to analyze ply for this position, forward a current performance, productibility, product assurance, and cost impact of proposed changes to determine desirability and feasibility. Chairs Sparrow weekly configuration in-house and production contractor review and follow-up. Please submit SF-171's to A. K. Rogers, Code 3908, NWC ext. 3925

> > > No. D-39-076, Interdisciplinary (Electronics/Mechanical Engineer/General Engineer) DP-801/830/855-3, Code 3908 -Incumbent will serve as Sparrow AIM/ RIM-7M Aft Components Manager. Aft components include warheads, rocket motors, S&A/AF devices, wings and fins. Please submit SF-171's to A. K. Rogers, Code 3908, NWC ext. 3925.

tendance at the course will strengthen your

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 for your

If you are a co-op student, a DD 1556 is

not required, simply tell the registrar that

register. If you have any questions, call Kit

contribution to the Center's mission.

Recent additions TITLE

Buck, Linda G. Schultz, Victor R. Greenwood, Patricia A. Timmermans, Tamara K. Hays, Cheryl S. Strawser, Paula R Casey, Sue E. Pearl, Karen M. **Richter**, Peggy A Billingsley, William Melton, Tucker Graham, Robert G. Garland, Robert D. McLaughlin, Dennis E. Stetz, Bernard D. Gehres, Susan E. Hall, Chris D. Walker, Steve J. Jones, Tanya F. Sroka, Patricia A. Tyson, Timothy C Reese, Thomas F. Jacobson, Bret A. Ross, William J. Ham, Stefan Y. Bisping, Joseph N Monigold, Richard P. Obaker, Frank E. Walter, Douglas N. Hamiustiene, H. Marsh, Ronald A. McNeil, Robert W Wireman, Stephen D. Berry, Janice K. Mitchell, Michael C. Driggs, Linda G. Fjerdingstad, David O.

Clerk Clerk Clerk-Typist Computer Scientist **Purchasing Agent** Clerk-Typist Contract Spec. Architect Electrician Ops. Research Analyst Operations Research An. Computer Spec. Physicist Clerk-Typist Mathematician Physicist Clerk-Typist Photographer (Lab) Photographer (Lab) **Computer Scientist** Physicist Mechanicl Engr. Electronic Engr Model Maker Machinist Quality Assurance Spec. Mathematician Mechanical Engr Physicist Physicist Engrg. Tech. Clerk-Typist Electronics Mechanic Secretary (Typing) Electronics Tech

Recent departures

Allen, Gregory Powers, Charlotte J. Burchell, Debora L. Ausseresses, James J. McLennan, Karen M. Saltzman, Barry J. Schmidt, Dean A. Fisher, Frances A. Shumway, J. Gordon Boatright, Christine Bechstead, Merrill W. Johnson, Eve A.

Digital computer Sys. An Clerk-Typist Engrg. Aid Laborer **Clerk-Typist** Physicist **Computer Scientist** Librarian (PS&E) Engrg. Data Mgt. Spec. Physical Science Aid Chemical Engr. Engrg. Data Mgt. Spec.

Bakersfield advisors at NWC

Dr. Roy Dull, Dr. James Vigen, and Dr. degree in business administration and a Bakersfield will be on Center Tuesday. September 10 to advise current and pro- other external degree programs at NWC. spective students in the external degree programs offered by that school. External degree programs offered at NWC by Bakersfield include a bachelor's NWC ext. 2648.

Richard Graves of Cal-State College master's degree in public administration. Bakersfield also provides math courses in Those who wish to see one of the academ-

ic counselors are asked to make an appointment by telephoning Kit Driscoll at

Cerro Coso classes available

The Center will pay your full tuition if Development Plan, describing course fits you are enrolled in courses provided under into your overall career plan and how atthe 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 Reimbursing) 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 you are an NWC co-op student when you submit NAVWPNCEN 12410/66, Academic Enrollment Justification and Driscoll or Cecil Webb, NWC ext. 2648 NAVWPNCEN 12410/68, Individual

Demo Project videotape on hand

tuition.

(Code 094)

A one-hour, 16-minute videotape on identify critical elements and use of PACs for loan to work groups for use on-site.

The 3/4-inch videotape was made by Jerry Stein. It covers the performance are and how they affect local personnel planning, monitoring and assessment process under the demonstration project. By viewing it, personnel can learn to NWC ext. 2686.

"Performance Planning and Assessment to write good performance plans. In addifor Demo Personnel" is now available for tion, there is an overview of the use by individuals at the learning center or demonstration project at NWC, and an explanation of pay-out as it relates to racings and what the latest changes in the system

Further information about the videotape can be obtained by telephoning Ophena at

California State University Fall Classes

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

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

COMPUTER SCIENCE

CSCI 372: OPERATING SYSTEM THEORY (3 units) 3, 4 August; 24, 25 August; 21, 22 September;

Saturday and Sunday; 0800-1600; Safety Building. By: Professor Larry Wear, CSUC. Prerequisite: CSCI 272 or consent of instructor.

Scope: Review of operating system development.

Comparison of various types of multipurpose systems including master/slave and parallel processor systems. Analysis of multiprocessor system performance and capabilities.