



PRACTICING — Former first place winners in the chili cook-off are China Lake firefighters Ken Zurn, Jim Brown and Randy Barr, who are challenging all this year's contestants to try to beat them. NancyLee

Aigner, cook-off chairman for this year's contest, is watching them at work. (That chili is so hot it needs to be extinguished with a fire extinguisher. Any hotter and it would cook itself without the Coleman stove.)

Chili cook-off at museum

Only one week remains to get applications in for the giant chili cook-off at Maturango Junction, which will be held on Saturday, Oct. 25 at Kern Regional Park in Ridgecrest. Applications, accompanied by the \$10 entry fee, must be turned in by close of business on Saturday, Oct. 18; applications are available at the new Maturango Museum and at the Ridgecrest Chamber of Commerce Office, 301 S. China Lake Boulevard.

Chili, for this contest, is defined as any kind of combination of meats cooked with spices, such as chilis. No beans or spaghetti may be used, nor may any pre-cooked ingredients. All cooking of the two gallons required for entry must be done on the scene and those involved must furnish their own ingredients, utensils and Coleman stoves.

Entrants will be judged for their chili — showmanship will be judged separately. Support teams of not more than 15 individuals can perform during the official cook-off time. Chili remaining after the judging will be sold to the public for a donation to the museum.

Further information can be obtained by telephoning Chili Cook-Off chairwoman Mary Aigner at 375-7697.

Special rates at Disneyland

On Saturday, Oct. 18, the California Parks and Recreation Society (CPRS), Armed Forces Branch, is sponsoring a special evening at Disneyland. All military personnel and DOD civilians are invited to attend the party from 6 p.m. to 1 a.m. and the opportunity to see Disneyland's newest attraction, "Captain EO," a 17 minute, 3-D film starring Michael Jackson.

Discount tickets are only \$11 for adults and \$9 for children and may be purchased at the Information, Ticket and Tour (ITT) Office on Mondays through Fridays from 9 a.m. to 5 p.m. Unlimited use of all attractions, except arcades, and free parking are all part of the ticket price.

For more information contact the ITT Office at NWC ext. 2010.

Movies

FRIDAY, SUNDAY	OCT. 10, 12
"POLTERGEIST II, THE OTHER SIDE"	
Starring JoBeth Williams and Craig Nelson (Horror-Drama, rated PG-13, 91 min.)	
SATURDAY, MONDAY	OCT. 11, 13
"GETTING EVEN"	
Starring Edward Albert and Audrey Landers (Action-Drama, rated R, 90 min.)	
WEDNESDAY, FRIDAY	OCT. 15, 17
"BACK TO SCHOOL"	
Starring Rodney Dangerfield and Burt Young (Comedy, rated PG-13, 96 min.)	
Starting Time: Evening / 7 pm	
(G) ALL AGES ADMITTED General Audiences	
(PG) ALL AGES ADMITTED Parent Guidance Suggested	
(R) RESTRICTED Under 17 Requires Accompanying Parent or Adult Guardian	

* U.S. Government Printing Office: 1986 — No. 40026

FROM: _____ PLACE STAMP HERE

TO: _____

COM schedules costume party

All patrons of the Commissioned Officers' Mess and Junior Professionals are invited to attend a costume party at the COM on Friday, Oct. 31. Dinner (featuring MSCS Patete's special homemade Italian cookery) will be served from 7 to 10 p.m., so parents will be able to take their small ghosts and goblins trick or treating before heading off for an evening of dining and dancing.

Menu for the evening includes stuffed rigatoni, beef ragu, meat balls, gnocchi, chicken cacciatore, fettuccine, Italian salad and garlic bread, all for only \$6.95 a person (or \$6.45 for those in costume). Dinner reservations must be made by telephoning NWC ext. 3015 no later than Wednesday, Oct. 29.

From 9 p.m. until 1 a.m., the "Legends" will play Top 40 hits for dancing and there'll be a costume contest, with prizes given all evening for the best costumes.

Riders needed

Local riders are being sought for the 1986 McDonald's Ride Against Diabetes, which will take place on Sunday, Oct. 19 from 9 a.m. to 4 p.m.

Participants will secure sponsors to make tax-deductible pledges for each mile ridden and each rider who collects a minimum of \$10 in pledges is eligible to select prizes in a multi-tiered prize structure offered by McDonald's restaurants.

Further information about the local event can be obtained from Margaret or Don Wheeler by telephoning 377-4279.

Weather Report

	Max	Min	Peak Gust	Precip
Fri.	78	51	21 knots	—
Sat.	82	47	19 knots	—
Sun.	85	47	22 knots	—
Mon.	86	45	13 knots	—
Tues.	89	49	16 knots	—
Wed.	88	49	12 knots	—
Thurs.	71	58	13 knots	0.03 in.

All measurements are made at Armitage Airfield.



Weekend Roundup

Tonight is opening night for the China Lake Players' production of "The Lion in Winter" at the Playhouse, corner of Blandy Avenue and Lauritsen Road. The curtain rises at 7:30 p.m. tonight, tomorrow and Friday and Saturday of next week.

General admission tickets for the production are \$4.50, with children under 12, military and senior citizens being admitted for \$3.50. Reservations are required and can be made by telephoning The Music Man, 251 N. Balsam in Ridgecrest, at 375-4001.

In honor of Columbus Day, the Chief Petty Officers' Mess will be closed Monday, except for the main lounge during the Monday Night Football game.

In celebration of the Navy's birthday, the Commissioned Officers' Mess is inviting all military personnel and DOD civilians to a cake-cutting ceremony on Oct. 17 at 6 p.m. Free hors d'oeuvres will be provided and reservations are not required. After the ceremony, enjoy the music of a live band and the great taste of a prime rib dinner for only \$7.95.

The Commissioned Officers' Mess and the Enlisted Mess will be closed Monday in observance of Columbus Day.

Authorized patrons and guests are invited to disco to the music of "Upstage" this Wednesday at the Enlisted Mess from 8:30 until 11:30 p.m. for only \$1 per person.

There won't be an early morning lap swim at NWC Indoor Pool Monday due to Columbus Day. Instead, lap swim will be from 12 to 1 p.m. with open swim from 1 to 5 p.m. Hours for the gym will be from 11 a.m. until 6 p.m.

Vietnam Veterans of America, Chapter 283, will meet tonight at 7 p.m. at the Senior Citizens' Center, 125 S. Warner, in Ridgecrest. There will be a recap of last month's activities and a review of upcoming events.

All men and women who served with United States military forces between 1961 and 1975 are eligible to join, regardless of where they served, and associate memberships are also available for those who served prior to that time or who did not serve in the military forces.

Further information can be obtained by telephoning Buzz at 375-8228 or Mike at 375-3836.

Plant lovers and those who enjoy rummage sales can combine both at the Oasis Garden Club of the Indian Wells Valley Plant and Rummage Sale tomorrow from 9 a.m. to 4 p.m. The sale will be held at the garden center, corner of Lauritsen Road and Blandy Avenue.

On sale will be potted plants such as day lilies, iris, bulbs of various sorts and asparagus. California poppy seeds will also be available. A wide range of items will appear in the rummage sale.

Proceeds of the sale will be used to further the cause of conservation and other Oasis Garden Club projects.

NWC's Youth Activities branch is sponsoring a pumpkin-carving contest. Carved pumpkins are to be dropped off at the Information, Ticket and Tour (ITT) Office anytime from 9 a.m. to 5 p.m. on Thursday, Oct. 30. There will be three age categories of carvers consisting of ages 6-8, 9-11 and 12 and up. Awards for the scariest, most elaborate and grand pumpkin will be given. Winning pumpkins will be displayed at the ITT Office the next day. For more information contact the ITT Office at NWC ext. 2010.

Center rep at Fallon earns accolades for his efforts

Philip G. Sprankle, Advanced Program Analysis Consultant in the RF Division of the Electronic Warfare Department, was honored at Monday's Commander's Meeting for his outstanding work as the Naval Weapons Center representative to the Naval Strike Warfare Center from February 1985 to February 1986.

Sprankle was presented the Navy Superior Civilian Service Award by Capt. John Burt, NWC Commander, on behalf of Capt. J.H. Finney, Commanding Officer of the Naval Strike Warfare Center at Fallon, Nevada.

The Navy Superior Civilian Service Award, which consists of a citation, medal and summary of award, is the second highest Navy award that may be presented to civilians.

Capt. Burt noted that he did not already know Sprankle, but was delighted to meet him under such pleasant circumstances as he pinned the medal on Sprankle.

The citation accompanying the award said that during the time Sprankle served as China Lake Consultant, he "exhibited superior professional performance in providing invaluable technical assistance in drafting the Center's first Program Objec-

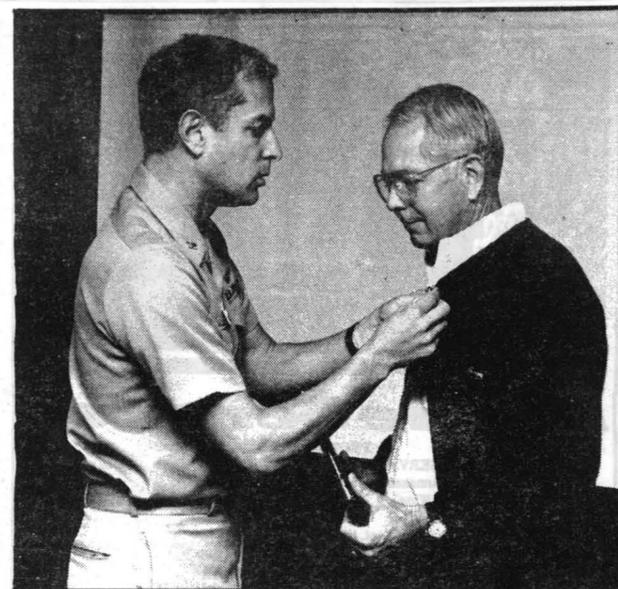
tive Memorandum (POM) input to the Deputy Chief of Naval Operations (Air Warfare)."

The citation continues, "His extensive experience in weapons development and procurement practices was a key factor in ensuring the POM input was realistic as well as comprehensive. This document was briefed to the DCNO (Air Warfare) (OP-05) and the Secretary of the Navy who wholeheartedly endorsed the program."

The citation concludes, "Mr. Sprankle's enthusiasm and total commitment to providing the Strike Warfare Center with the best technical weapons analysis was a substantial factor in establishing the Center as the focal point for Naval Warfare tactical development."

Sprankle, in receiving the medal, said he had not been enthusiastic about being sent to Fallon, but, he added, "It turned out to be a great job."

Employed at China Lake since June 1957, Sprankle holds a bachelor's degree in engineering physics from the University of Oklahoma and a master's degree in international relations from the Naval War College.



MAJOR PRESENTATION — Capt. John Burt, Center Commander, pins the medal that accompanies the Navy Superior Civilian Service Award on Phil Sprankle. Sprankle received the award for work he performed for the Naval Strike Warfare Center at Fallon, Nevada.

NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001 Vol. XI, No. 39 / October 10, 1986

Additional tests conducted at NWC's minideck

Although most tests at the Center's Minideck facility deal with fighting aircraft and aircraft-related fires, the most recent test series is designed to protect the lives of sailors and marines on LSDs (Landing Ship, Docks).

Amphibious boats are launched from LSDs by flooding the well deck of the larger vessel so that the boats can float out. The walls of the well deck are 50 feet apart and the deck is filled with 14-foot-wide am-

phibious boats. If fuel spills and catches fire during the fueling of the boats, or if there's a fire during helicopter operations on the helo pad (located partially above the well deck on some LSDs), extinguishing the fire can be difficult.

Overhead sprinklers are impractical because the well deck is mainly open to the sky. The primary potential location for sprinklers is in the wing wall sides of the ship. The recent test series used sprinklers

in both simulated wing wall sides.

Aims of the test series included determining the optimum height for emplacing such sprinklers above ground level, determining the best nozzles to use and determining the best flow rate of the aqueous film forming foam (AFFF) and water combination used to fight fuel fires.

A major constraint in fighting shipboard fires is the capacity of the ship to carry AFFF. Flow rates of the water and AFFF

used for fire fighting must be at the lowest amount possible to extinguish the blaze.

During this test series at the Minideck, containers were used to simulate the well deck. These were emplaced 50 feet apart, encompassing an area 60 feet long with the ends of the simulated well deck open. No boats were being simulated in this test, although these may be used during a follow-on test series.

(Continued on Page 3)

CFC opens annual drive next Friday

China Lake's annual Combined Federal Campaign (CFC) fund drive kicks off next Friday, Oct. 17, when key personnel from throughout the Naval Weapons Center will meet in the Michelson Lab Management Center.

The month-long campaign combines fund raising efforts of local, national and international agencies into one drive per year for all federal government employees, military and civilian.

Natalie Harrison of the Protocol Office and Loretta King, NWC's assistant public affairs officer, are co-chairmen of the CFC effort again this year.

Last year personnel here established a new record of giving, pledging more than \$200,000.

Following next Friday's meeting key personnel will be distributing brochures and pledge cards to China Lakers.

Funds collected are distributed largely to United Way Agencies in the Indian Wells Valley including the American Red Cross, Civil Air Patrol and the Salvation Army.

China Lakers are again asked to dig deep and be generous during this once-a-year fund raising effort.



GETTING READY — Center Deputy Fire Chief Darrell Johnson, who was serving as on-scene test director, checks to be sure that the liquid fuel spilled between

the containers that simulate the well deck of an LSD is completely ablaze before signaling the actual fire fighting efforts begin. — Photo by PH2 Rick Moore

County offers flu shots

Dr. Leon Hebertson, Kern County Director of Public Health Service, says that a new formulation of influenza vaccine will be used at flu shot clinics this year. Clinics are designed mainly for those over 55 years of age and for those of any age who have chronic diseases or other health problems.

This year's vaccine will protect against the three varieties of influenza viruses medical scientists think may be circulating in the United States in late 1986 or early 1987: A/Chile/1/83, A/Mississippi/1/85 and B/Ann Arbor/1/86.

Although epidemics are unpredictable, some influenza occurs in California every winter.

The flu vaccine will be available from both private physicians and county clinics.

Kern County's Health Department is now gearing up for the flu shot clinic program, which offers \$2 flu shots for residents 55 years of age and older and for others with certain chronic diseases. This year's clinics will be scheduled in November.

Dr. Hebertson notes that today's influenza vaccines are very pure. Most people taking a flu shot have no side effects and those who do usually have only a sore arm, a low fever or muscle aches for a day or two.

"For people at high risk of serious complications from influenza, such as seniors or younger people with chronic diseases, a sore arm is a small price to pay for protection," he says.

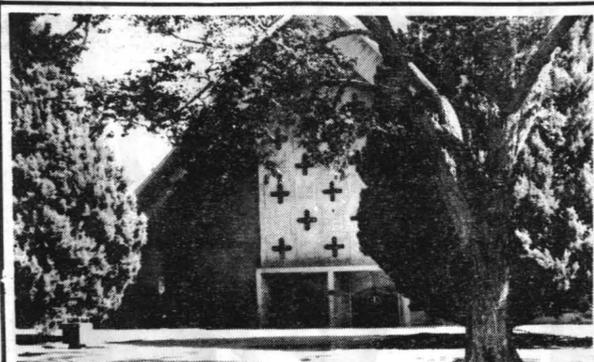
Blood bank on Tuesday

For the first time in four months the Houchin Blood Bank will be in the Indian Wells Valley to accommodate blood donors in the area. The Blood Bank will again be set up at the Elks Lodge, 201 East Church Avenue in Ridgecrest and will be open from 1 to 6 p.m., Tuesday, Oct. 14.

No advance appointment is needed for donors. The procedure should take about 60 minutes for each donor. Anyone, in reasonably good health between the ages of 18 and 65, are eligible to give blood. Individuals may donate blood up to five times in any one year.

Potential donors will be asked to complete a simple medical history questionnaire and should know what medications they are currently taking, if any. Some prescription drugs and current illnesses will prevent potential donors from giving blood.

Sponsored by the Ridgecrest Emblem Club, the Houchin Blood Bank makes regular visits to the China Lake area. Donations can be earmarked for specific individuals, or be used to support the needs of the Indian Wells Valley population.



Divine Services

PROTESTANT	
SUNDAY WORSHIP SERVICE	10:30 a.m.
SUNDAY SCHOOL (Annexes 1, 2, 4, and the East Wing)	9 a.m.
BIBLE STUDY (East Wing)	
Wednesday 11:30 a.m.	Sept. through June
Thursday 7:00 p.m.	Officer's Christian Fellowship
	Christian Military Fellowship
	ROMAN CATHOLIC
SUNDAY MASS	9:00 a.m.
CONFESSIONS (Sunday)	8:15-8:45 a.m.
COMMUNION SERVICE (Monday)	11:35 a.m.
DAILY MASS (Tuesday through Friday)	11:35 a.m.
CONFESSIONS (Friday)	4:30-5:00 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday) Sept. to May	10:30 a.m.
JEWISH	
WEEKLY SERVICES (Friday, East Wing)	7:30 p.m.
ADULT EDUCATION (Saturday, Annex 4)	9 a.m.
RELIGIOUS SCHOOL (Sunday, Annex 4)	1 p.m.

Chaplain J. Milton Collins, Capt. CHC, USN
Chaplain A. J. Smith, Cdr. CHC, USN
Chaplain C. R. Beede, Lt. jg. CHC, USNR
Hearing impaired equipment available. Nursery available.
Phone NWC ext. 3506, 2773.

Randy Mather finds career choice on Center

Although Randy Mather, who works in the Weapons Control Branch of the Weapons Department, goes to school at Cerro Coso Community College four evenings a week, he's no longer part of the Co-op Program. This is because he's also working too many hours per week to qualify for the program any longer.

The Co-op Program is what brought Randy to the Center. A native of Ridgecrest, he had worked for his brother's dairy since he was 10 years old, had worked full time from his graduation from Burroughs High School in 1975 until he was injured in 1982. When he got out of the hospital 11 months later, he knew that he would not be able to do anything that physical in the future, so he started taking classes at Cerro Coso Community College and a counselor suggested the Co-op Program to him.

"I filled out all the required applications and looked at the list of career fields that were open to those in the Co-op Program," Mather says, "and decided that there was bound to be a need for people in the electronics field at NWC. I was interviewed and got hired in this branch."

Although he continued to take electronics classes for the first year that he worked on board, he says that he had problems with his balance level, so his branch head suggested that he try working with computers to see if he liked that work.

atics and with printed wiring boards," Mather says, "so my background in electronics has turned out to be a real plus."

Currently, he's taking classes both on board and at the college and is thinking about going on for a bachelor's degree as soon as he has completed the course work available at Cerro Coso.

"I'm currently working as a permanent part-time employee. When I get my degree," Mather says hopefully, "I'll apply for a full time job here."

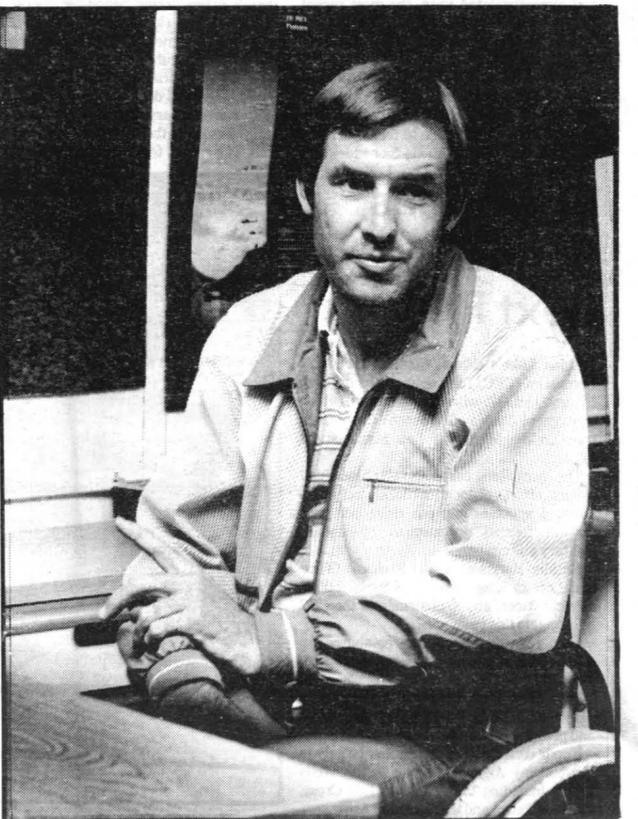
Spare time currently is taken up with his course work and with spending what free time that leaves with his wife, Teri, who works for Comarco. Before his injury, he says that he was head coach of youth league football and taught the high school boys' classes in the Sunday School at his church.

"I'd really like to continue to work with kids when I have more time," he says. "I believe that a lot of kids need responsible adult friends besides their parents. Otherwise they tend to be influenced too much by their peers. With the football, I could teach them to work together as a team as well as to help them become responsible adults."

Originally he had hoped to eventually become a high school football coach, but thinks that this might be difficult for him to achieve currently.

"I think that I can still have some good influence on kids here, though, since I'm so local I was even delivered by Dr. Tom

Drummond in the hospital in town," he says. "And, when I've got my class work completed, I'd sure like to try."



KEEPING BUSY — Randy Mather works enough hours each week so he cannot qualify for the Co-Op Program, yet is taking a heavy load of college classes relating to his NWC job.

Year-round resort beckons visitors to coast



STEARNS WHARF — Fishing boats and pleasure boats sit next to Stearns Wharf in Santa Barbara. The Wharf, more than 100 years old, is also the home to many tourist attractions including restaurants and gift shops.

Santa Barbara has long been a favorite California summer vacation spot with wide beaches, excellent restaurants and easy accessibility for millions of southern California residents.

Today Santa Barbara is a year-round resort with accommodations ranging from simple motels to exclusive (and expensive) full-service resort hotels.

But it is the beaches, the museums, the weather, the historic adobes, the zoo and more that keep bringing people back for another look. Annual vacations in the same hotel are very common for families with a Santa Barbara connection.

Fiesta, the first week in August is both the best and the worst time to visit the unique beachfront community.

Fiesta, actually Old Spanish Days Fiesta is the correct name of the event, bringing extra thousands of visitors for the parades, entertainment, food and contests reflecting the city's historic Spanish ties.

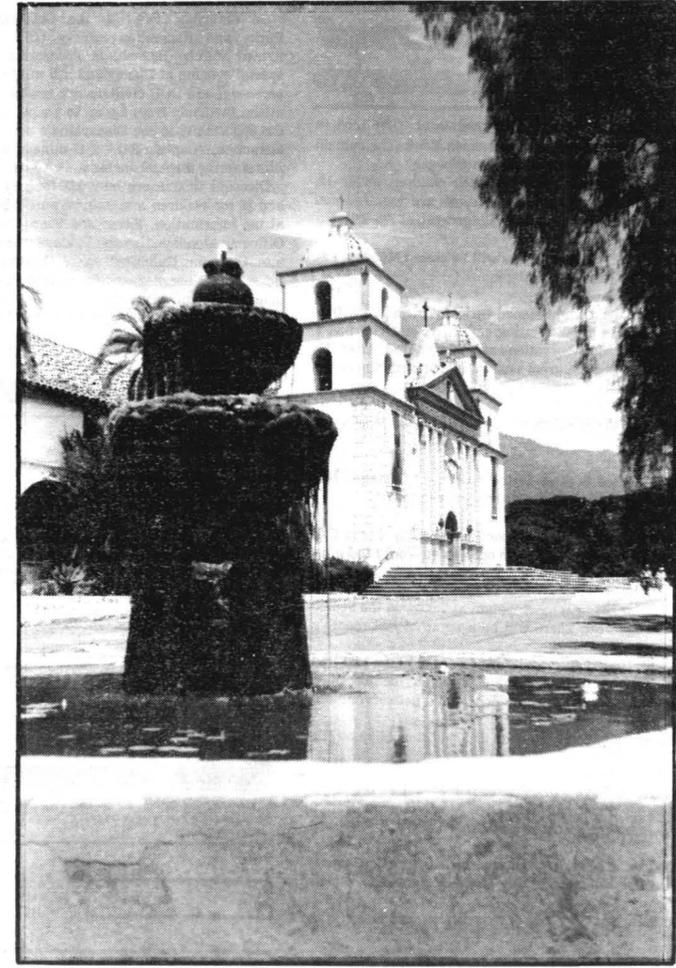
Stearns Wharf, more than a century old, is the focal point for Santa Barbara's beach. This wharf, built in 1872, today is home to a variety of restaurants, a fresh fish market and tourist shops. It was the site of the Sea Center, a marine exhibit area that burned earlier this year. It also provides good access to anglers who like to wet their line in the Pacific.

Inland, visitors concentrate on the city's Spanish ties. The Mission Santa Barbara, also called the "Queen of the Missions" was begun 200 years ago and completed in 1820. Tours are available through one of the best preserved of California's early Spanish missions.

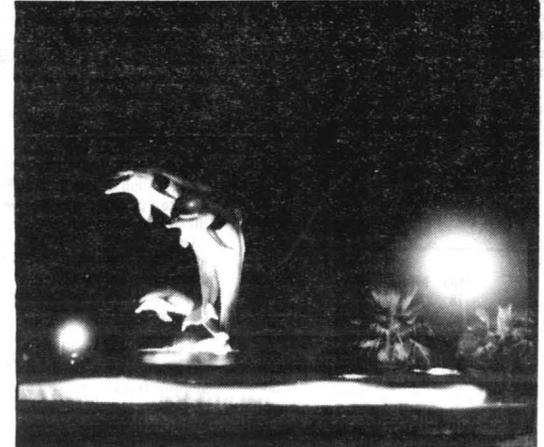
Other buildings worth a visit include the county courthouse, an example of Spanish-Moorish architecture, the El Presidio de Santa Barbara State Historic Park (which includes the second oldest surviving building in the state) and the Fremont Adobe on Santa Barbara Street.

The sunken garden near the courthouse features more than 70 species of trees and is home to many Fiesta entertainment events.

To avoid the worst of the rush, try visiting Santa Barbara in the fall or spring on weekdays. Traffic on Highway 101 through town can back up north and south of the city for miles on a busy summer weekend.



QUEEN OF THE MISSIONS — Founded 200 years ago, the Mission Santa Barbara remains one of the best preserved of California's early Spanish missions. At right are the dancing dolphins marking the entrance to Stearns Wharf and the city's water-front park.



— Photos and story by Steve Boster

NWC Rocketeer

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Youth Soccer League begins third week of play

Action in NWC's Youth Soccer League will start its third week with youngsters start kicking the ball around tomorrow (Saturday) morning. All teams were active in the Youth Activities Branch sponsored league last Saturday.

Division One
Express 1, Eagles 1
Kevin Cornett had the lone goal for the Eagles while Patrick Ross played a strong offensive game. The Express got the only goal from Willie Raymond while Peter Greedy on defense and Bobby Dawson on offense were standout performers.

Bandits 0, Owls 0
The Owls got eight saves from goalies Jeff Robbins and Mike Wessman to preserve the 0-0 tie. The Bandits were led by Jennifer Conover in goal, Ryan Lopez and Brian Simolon on offense and Willie Robesky on defense.

Fury 1, Apollos 0
Behind one lone goal, in the final minute of play, from Thomas Martin, the Fury held on to nip the Apollos. Billy Barham on defense and Corey Gartner on offense were leaders in the win. Galen Wilson, Bill Nelson, Jimmy Hutmacher, Dan Dowling and Joshua Roberts were key players for Apollos in the loss.

Coyotes 1, Roadrunners 0
A stingy defense led by Jayson Sorenson

was just the ticket for the Coyotes. They got one goal from Matt Armstrong then used the defense and Sorenson, Kevin Wallace and Jesse Coit to do the rest. Brandon Tullio and Steve Shultz keyed the offensive effort of the Roadrunners.

Chiefs 2, Cobras 0
Cheryl Weigert booted home two goals to key the Chiefs in their victory. Jeremy Weigert had a pair of assists while Jeb Pershing starred on defense. Aaron Ar buckle, Gary Hobson and Randy Freund led the Cobras' effort.

Rowdies 3, Sun 0
Goals from Chris Branson and Salvador Ramirez (two) were all the Rowdies needed to stop the Suns. Timmy Foley and Clinton Duff also had strong efforts in the win. Tiffany Austin, Sun goalie, had her hands full with the Rowdies. Sam Miles, Anjel Avitia, Sean Sewill and Tim Best also had good performances.

Division Two
Strikers 4, Earthquakes 2
Greg Greedy had a big game with three goals as the Strikers rolled to the win. Beau Dowling had the only other goal for the victors. Chris Thornberry and Michael Schuchman had scores for the Earthquakes while Ryan Lilly played a strong game.

Drillers 3, Cosmos 1
Thanks to a two-goal first half effort by Neil Covington and one score in the second half by Jonathan Mickelsen, the Drillers stopped the Cosmos. Joe Mechtenberg assisted Michael Hobson for the only goal of the game for the Cosmos.

Timbers 2, Lancers 1
Braunson Lilly assisted Sam Stevens on the first goal for the victors while Carl James scored the final and winning tally for the Timbers. The Lancers did not have a score sheet.

Sockers 9, Blizzard 0
It was an easy win as Andrew Grabowski

ripped the Blizzard for four goals and Avak Haroutunian added two tallies. Greg Oshel, Chris Potten and Vaskan Haroutunian had one goal each. The Blizzard got good efforts from Daniel Kelling, Matthew Bryner and Billy Freund.

Aztecs 5, Sting 0
Renee Armstrong led the Aztec offense with three big goals in the easy win. Sam Muhn led the defenders who blanked the Sting. There was no Sting score sheet.

Division Three
Surf 2, Roughnecks 1

Goals by Miles Ross and Dennis Sarrett sparked a Surf victory in this rugged defensive encounter. The defense was keyed by Josh Rogge, Tom Foisy, Joe Battaglia and Scott Richison. David Gartner was the offensive leader for the Roughnecks who used excellent passing and ball control skills to keep it a tight contest. Joe Wilhorn was their top defensive player.

Rogues 2, Sounders 1
Led by Tristan Smith's offensive performance, the Rogues were narrow victors in a hard fought Division Three encounter on Saturday. The Sounders did not turn in a score sheet.



Sports



NICE KICK — A young player takes dead aim on the ball and prepares to boot it into a better position for his teammates to go for the goal. Saturday was the second day of the NWC Fall Soccer League.

Scorpions eye GESL championship

Nine seniors will be playing their final home game for the under-19 Scorpions as they host the Bakersfield Lasers tomorrow (Saturday) with the Golden Empire Soccer League fall championship on the line. Game time for the unbeaten Scorpion squad is 2:30 p.m. at Murray Soccer Field.

Last week the under-19 Scorp were easy 11-0 winners against the Bakersfield Soccer Club at West High School in Bakersfield.

Coach Karl Kauffman said this isn't the same Scorpion team of six months ago. With nine seniors on the squad, they now have a better understanding of tactics and other critical concepts that make a good soccer team.

Kauffman notes Jason Cherry, Mike Mills, Neil Johnson, Brian Hayes, Bill Ledden, Scott Hannon, Scott Piri, Joe Gregory and Bill Hugo will finish their Scorpion careers this season.

Last week Armando Valdivia and Bill Hugo ripped the BSC defenders with four

goals each. Piri, Ledden and Jim Caves all scored once each and Chris Johnson had three big assists for the easy win.

For the fourth time in five games the Scorpions blanked the opposition. Cherry and Jason Okamoto in goal were aided by the defensive play of Mills, Johnson, Brian Hayes, Scott Hamilton, John Dykema, Brian McCrary and Hanson.

Under-16 and under-14 Scorpion Soccer Club teams will seek a return to winning ways tomorrow (Saturday) when they host Bakersfield teams in the Golden Empire Soccer League clash at Murray Junior High's soccer field. Both teams came away from last weekend's encounters in Bakersfield with 2-2 ties.

Last week the Scorpions worked hard to grab a 1-0 halftime lead in the under-16 game. Danny Hobson got to a loose ball at the edge of the penalty area, shoveling it to Matt Mechtenberg, wide open 30-yards in front of the net for a perfect scoring chip

shot and a 1-0 lead 20 minutes into the half.

The Bakersfield Bears scored twice in the second half, grabbing a 2-1 lead with 20 minutes left to play. Just five minutes before time would expire, the Scorp struck again; this time Hobson's shot bounced off the opposition goalie and into the net for a 2-2 tie. It was the best the under-16 squad could do, but it kept them near the top of standings in the GESL. The under-14 team will be in action at 1 p.m. tomorrow against the Bakersfield Roughnecks. Also at 1 p.m., playing at Davidove Field, the under-14 Scorpions will face the Bakersfield Express.

Midway through the first half Chris Marshall evened the score for the Scorp with a kick into the corner of the goal net. The Bakersfield Outlaws had struck first, taking a 1-0 lead just 14 minutes into the game.

Bakersfield made it a 2-1 game just before the half. It wasn't until the 58 minute mark that Ryan Phillips was able to bring the Scorp back into a tie.

Anglers near end of season

With only a couple of weeks left in the 1986 general trout season, anglers visiting the eastern Sierra region are finding good fishing in many areas. There are places where the weather has made an adverse impact on fishing, but for the most part, anglers find the trip well worth while.

Some of the best fishing can be found in the Lone Pine area where both Diaz Lake and Lone Pine Creek have been heavily stocked by the California Department of Fish and Game. Many limits of rainbows have been taken from these waters by anglers using standard baits such as red salmon eggs, worms, marshmallows, cheese and nightcrawlers.

Rainbows have been planted in creeks and ditches in the Independence area for good fishing. At elevations below 6,000 feet, anglers are having good luck in seeking brown trout in the streams, where spawning season is near.

The cold weather has really slowed bass fishing in the Owens River below Big Pine. The river is high and trout fishing is only fair.

Bishop Creek below South Lake and Lake Sabrina is fair with baits. The lakes are producing limits, with South Lake anglers reporting the better yield. The south fork of Bishop Creek is best when fished with flies, as are Intake Two and North Lake.

At Pleasant Valley Reservoir, anglers report catches of kamloops trout and some browns up to three pounds in size. Fishing in the reservoir is regarded as best in the late afternoon or early evening.

Brown trout up to 14 inches in size are being caught on lower Rock Creek with flies or small spinners.

The browns are starting to feed and spawn in the Owens River Gorge and fishing is improving as a result. Fish are biting on small lures and spinners.

Black woolly worms, flies and olive matuka flies are hot items for anglers fishing Crowley Lake. Rainbows up to 20 inches long have been taken by those fishing off shore.

Convict Lake is just fair. Anglers are still fishing from boats with small lures and bait bringing the best results.

Hot Creek fishing is slow in the morning, but good during afternoons and evenings.

The browns aren't spawning yet in the upper reaches of the Owens River, so fishing remains slow. The best results come to anglers using worms and nightcrawlers and fishing under the banks.

Happy 211th birthday! Reports show earth shakey



When the United States was born 211 years ago today, the tiny nation it defended had not yet been formally created. The Constitution, "the American experiment," was still 12 years in the future. Both the nation and its Constitution came about because of the heroism displayed by those early members of what has become the modern Navy we all serve today.

The challenges then were grave; the challenges today are equally grave, but we, the men and women, military and civilian, of the U.S. Navy have the proud example of history to sustain and guide us as the Navy enters its 212th year of service.

China Lake is as much a part of the Navy family as any of the women and men stationed throughout the free world to protect our nation's freedoms.

I ask you to join me in celebrating the Navy's birthday by continuing to follow the shining examples of those early U.S. sailors in service to the nation and the principles of freedom for which it stands.

Capt. John Burt
Commander, Naval Weapons Center

During the first half of this year, earthquake activity (from the standpoint of major, damaging quakes worldwide) was down to less than one-third of the number recorded in 1985: a total of 21 in comparison to 67. In 1984 during the same period, there were 47 and in 1983 there were 70.

Most significant of the 1986 quakes included: Biggest quake during the first half of the year was a 7.7 magnitude (Richter) on Adak and Atka islands in the Aleutians. This was the strongest in the world since the M8.1 Mexican shock in 1985.

The second largest was a M7.1 near the north coast of Papua New Guinea, which caused damage of \$500,000, mainly to submarine communication cables to Australia and Guam.

A M7.0 occurred near the Pacific coast of Mexico, but caused only minor damage.

Most deadly quake so far this year was an M5.2 in Peru on April 5 which killed at least 16 people, injured 170 others and destroyed about 2,000 houses. On May 5, a M5.9 quake in Turkey killed at least 15 people, injured about 100 others and damaged 4,000 homes.

Most damaging quake in the contiguous United States was a M5.0 on January 31 in Ohio, northeast of Cleveland, that injured 17 people and caused damage in the Painesville/Mentor area and nearby regions of Ohio and Pennsylvania.

Center leads in hiring handicapped

Naval Weapons Center China Lake is an activity long recognized for its creative and aggressive approach to setting and exceeding goals. The Center has exceeded one such goal — employment of the handicapped — at a time when budget and ceiling constraints constituted a serious challenge. During fiscal year 1986, Naval Weapons Center has been identified as the leading employer of the disabled inside the laboratory claimancy.

Supervisors are to be commended for their support of this affirmative action program. Their straightforward endorsement of the principles of equal opportunity for the handicapped has been clearly demonstrated not by statistics alone, but by the creative approaches taken to support and retain handicapped employees.

Management's endorsement of this presidential program is directly related to the calibre of disabled employees at NWC who have demonstrated time and again that abilities, not disabilities are the critical factors in employment decisions. Disabled employees, through their

diligence and dedication to mission objectives, have reversed negative attitudes and unfounded myths.

October is the month in which handicapped employees receive national recognition for their contributions to the labor force. At Naval Weapons Center, let October be the time when recognition goes to all who contribute to the principles of equal employment opportunity for the handicapped, disabled or not, federal service or not. The challenge is being met.

Fellowships in Financial Mgt. available

WASHINGTON (NNS) — Nominations are being accepted now for the Secretary of the Navy Civilian Career Fellowships in Financial Management.

Nominees should have met the following criteria:

- Achieved a high degree of professional competence;
- Worked a minimum of three years as a civilian in financial management for the Department of the Navy;
- Attained a grade of GS-9 or above;
- Applied and been accepted at an accredited college or university; and

— Developed a proposed course of graduate study in financial management.

Once a person has been accepted, the Fellowship pays tuition and book costs for three consecutive quarters, or two consecutive semesters of full-time graduate study. The person's command or activity will continue to pay their salary. No travel or per diem will be allowed.

Navy nominations should be submitted through the chain of command to: Commander, Navy Accounting and Finance Center (NAFC-3), Crystal Mall Three, Room 119, Washington, D.C. 20376-

5001. U.S. Marine Corps nominations will be submitted through the chain of command to: Commandant of the Marine Corps, Code FD (Attn: MSGT. Powell), Washington, D.C. 20380-0001. All nominations are due no later than March 1, 1987.

Nomination packages can be obtained by calling Warren Pfeiffer at Autovon 225-3587 or commercial (202) 695-3587.

For more information, see SECNAVINSTS 12950.9A and 12410.20; and ALNAV 119/86.

New fire test series underway at Minideck . . .

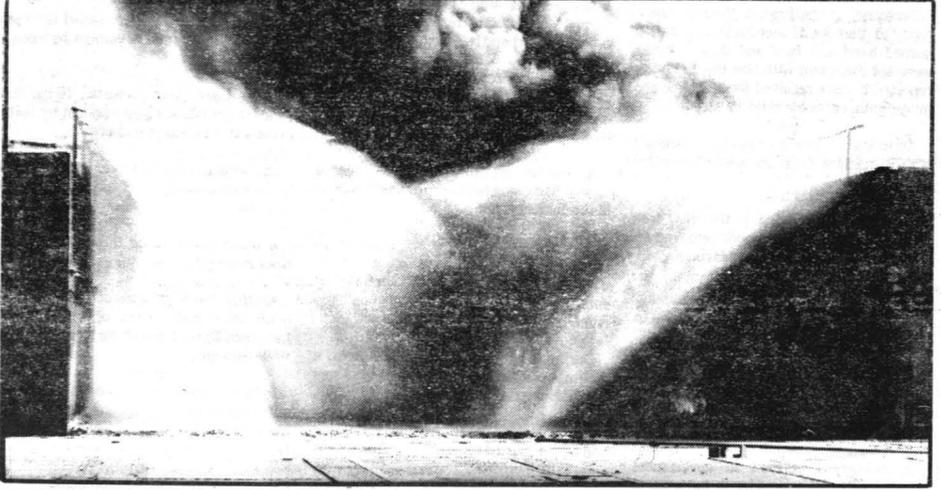
(Continued from Page 1)
At the start of each test, NWC fire fighters spread liquid fuel on the concrete pad between the simulated wing walls, then torched the fuel. Once the fire was well underway, the nozzles were actuated and the fire extinguished. Nozzles were moved to varying heights and differing rates of flow for the AFFF and water combination used as an extinguishing agent.

Each test was recorded on videotape and other data was also gathered. Between each test, the area was thoroughly cleaned of any residual fuel or AFFF to ensure good conditions for the next test.

R.L. Darwin, Director of Fire Protection for the Naval Sea Systems Command, was on-center observing these tests for NAVSEA, which is sponsoring this test series. The Naval Research Laboratory is also participating.

In addition to usage of China Lake's unique Minideck facility, NWC is also providing logistics support and manpower for the test series. Darrell Johnson, the Center's Deputy Fire Chief, served as on-scene test director.

When data from the current test series is reduced and analyzed, a follow-on series will be held in which simulated amphibious boats may be used.



DOUSING THE FLAMES — A combination of water and aqueous film forming foam gushes from sprinklers set up in the simulated well deck built at the Minideck. The current test series is trying to

determine optimum height for the sprinklers as well as optimum flow rate of the fire-fighting liquid combination to extinguish liquid fuel fires that can occur when amphibious vessels are loaded in a well deck.

Surplus B-29s used for NWC warhead testing

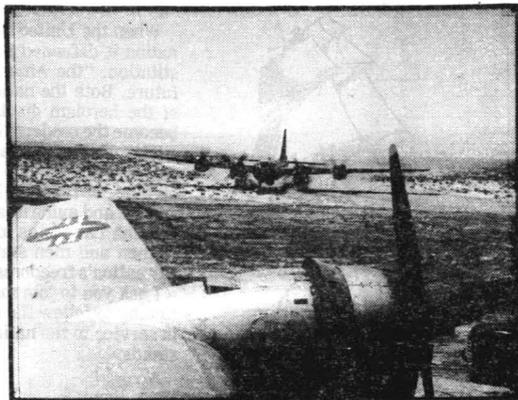
When the Air Force began surplus B-29s in the late 1950s, the Naval Ordnance Test Station (now NWC) requested some of these aircraft for use in warhead testing. The B-29 was exceptionally useful for such testing because it had what was then modern construction and was noted for its sturdiness.

One hundred of the aircraft were flown in from the storage area at Davis-Monthan Air Force Base in Tucson, landing at Armitage Field and then taxiing to the boneyard where they were stripped of instruments and any other usable materials.

One of the aircraft was subsequently taxied back to the airfield and flown to the Randsburg Wash road, where it was landed for testing in the southern ranges (making this flight by Cdr. Hal Lang especially interesting is that the aircraft was minus many of its instruments during that final flight).

Components of approximately another 200 B-29s were trucked over from Tucson in pieces.

These aircraft served their country in World War II, Korea and, then again, in providing the kind of target for weapons testing that ensures that the nation is ready for any future conflicts.



Engineer's Week plans underway

All persons interested in taking part in planning for Engineer's Week, which is the week of George Washington's birthday, are invited to attend a meeting of the Engineer's Week Committee on Thursday, Oct. 16 at 11:30 a.m. in the Dry Dock at the Enlisted Mess.

The Engineer's Week Committee is comprised of members of the High Desert Engineering Association (hIDEA), whose

member societies include the American Institute of Aeronautics and Astronautics (AIAA), American Society of Civil Engineers (ASCE), National Society of Professional Engineers (NSPE), Institute of Electrical and Electronics Engineers (IEEE), American Society for Quality Control (ASQC), Society of American Military Engineers (SAME), Society of Flight Test Engineers (SFTE) and Ameri-

can Institute of Chemical Engineers (AIChE).

Members of technical societies who do not have a local section of their societies are invited to participate in hIDEA.

Officers of hIDEA for the 1986-87 year include Clark Hay, president; Tony Miller, president elect; Dave Koelsch, secretary; Philip Branson, treasurer; and Jim Serpanos, past president.

DCC to offer 6 workshops

"Stress Management" will be among the first of a series of workshops to be held by the Desert Counseling Clinic. Those wishing to enroll in any of the workshops in the fall series should telephone DCC at 375-9781 for further information and registration forms; a donation of \$3 per person is asked for each of the workshops with the exception of the one on "Stress Management," which costs \$10 for the materials included.

The "Stress Management" workshop will be held from 6 to 9 p.m. on Wednesday, Oct. 15 and will feature an introduction to techniques for coping with stress and stress-related disorders. It will be conducted by Dr. Ross Kremsdorf, Lori Weidner and Zonda Kennady.

A workshop on "Stepfamilies" will be held on Wednesday, Oct. 22 from 6 to 9 p.m. This will be conducted by Paulette Solberg and Ann Wiederrecht, while boys and girls aged 8 to 12 will be the focus of "Surviving Fights with Brothers and Sisters," which will be held on Monday, Nov. 10 from 5:15 to 6:45 p.m. by Leslie Fadem.

Jessica Cromarty will be facilitator for a "Children and Divorce" workshop on Wednesday, Nov. 12 from 6 to 7:30 p.m. when she will try to help children, aged 6 through 11.

Dr. Kremsdorf will be facilitator for "Preventing Teen Suicide" from 7 to 8:30 p.m. on Monday, Nov. 17. The final workshop will be "Living with Schizophrenia: A Reality of a Separate Kind," conducted by Dr. Norman Shapiro and Verle Bjur, for family members who are living with a schizophrenic.

All workshops will be held at the Community Room of the Desert Counseling Clinic, 814 N. Norma, in Ridgecrest.

Survey report out

Results of the NWC Civilian Employee Attitude Survey have been compiled into a summary report. Because of budgetary considerations, the report will not be distributed generally, but individuals who wish a copy can contact Lucinda Bourne in the Management Analysis Branch at NWC ext. 3526.

ESB office moves

The Employee Services Board Office (Code 0909) is now located at the north end of Building 95 (Chapel annex). The ESB oversees the barbershop, located in Bennington Plaza; the catering trucks; recycle center; and the shoemobile.

Doris Fund, ESB manager, can be reached at NWC ext. 2929.



China Lake Police Reports

When police stopped a car for an NWC violation, they discovered that the driver was an unlicensed 15-year-old.

In a burglary reported at the NWC automotive hobby shop, unknown persons removed a military member's automobile transmission located in that building.

Since the value of a plate removed from Warehouse 64 at Armitage Airfield is over \$800, its theft is considered a grand theft.

The victim alleged to police that her two-year-old was struck while in the care of a baby-sitter in base housing.

Personnel at the Branch Medical Clinic reported that an 11-month-old boy had a burned hand and face and these injuries were not consistent with how the child was reported to have received them. Police are investigating possible child abuse.

An unknown person or persons removed a VCR machine from Michelson Laboratory.

A military man living in the BEQ was victim of a burglary. Someone removed an AM-FM cassette player from his room.

A Sony video camera reported missing last month was located in a storage room in Michelson Laboratory.

One subject attempted to enter the main gate using a passenger's government identification card, which is unauthorized use of government identification.

A military dependent in government housing reported a prowler in the area of her house. The area was checked but police were unable to locate a prowler.

A suspect falsified a credit card in the name of the victim and made retail pur-

chases. The case is under further investigation.

An industrial accident occurred when the load on a forklift fell off, striking a government van and causing major damage to the van. Fortunately, no injuries were reported.

A dog, cross between a husky and a shepherd, attacked a boy at Kelly Field. The boy was taken to the Branch Medical Clinic and then the Ridgecrest Hospital for treatment of his injuries. The dog has been placed in quarantine.

Police stopped a driver and found he was unlicensed, as well as having an open alcohol container in his vehicle. He was cited into court and released.

A vandalism report was filed when the windshield was broken on a Navy pickup truck parked in the west parking lot of the BEQ.

A resident on Nimitz reported that a vandal had damaged the sprinkler heads on his sprinkler system.

When a person used a sharp metal instrument to scratch paint on a vehicle parked at Building 2, he was observed by police. The individual was arrested and cited.

During a burglary at the CLPP area, a victim's personal equipment was removed from a locked building.

Police located a 10-year-old child that had been reported missing and returned the child to its mother.

On a report of child endangerment, police determined that a suspect had left three small children alone in the house while she visited a friend. The case has been referred to Child Protective Services.

A worker in Warehouse 10 reported that a portable tool box had been removed from the building.

A victim reported unknown persons scratched the paint on a vehicle parked in the BEQ parking lot.

A resident on Kearsarge complained of loud music being played at 10:30 p.m. By the time the officers arrived, the music had been turned down.

A government vehicle sustained damage in a hit-and-run situation at an unknown location, according to a report filed with China Lake police.

At 8:15 a.m. police were called to "keep the peace" during an argument between a husband and wife.

China Lake police assisted Ridgecrest police in arresting a base resident for being in possession of stolen property.

One vehicle struck another while backing in the east parking lot of the Headquarters Building.

A motor home going through the south Knox Road gate struck the guard shack.

Another traffic collision occurred about a tenth of a mile north of Mitscher on Lauritsen Road. One vehicle struck another while backing.

Police investigated a report of unattended children in the Caprehart B housing. They found that the children were in the care of a baby-sitter.

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

LN1 Gordon selected Sailor of Quarter for NWC

Legalman First Class William H. Gordon has been selected Sailor of the Quarter for the third quarter of 1986 at the Naval Weapons Center. Assigned to the Discipline Office of NWC's Military Administration Department, Petty Officer Gordon has been command legalman since reporting on board the Center in April of last year.

The new Sailor of the Quarter (SOQ) was described as "a superb professional," by his supervisor, Lt. Jg. M.M. Vanderkamp in her letter of nomination last month.

"Petty Officer Gordon has been instrumental in providing unexcelled legal assistance to the personnel aboard the Naval Weapons Center. He has persevered to process report chits, organize and execute masts, administration boards without the aid of a discipline officer or additional

clerical assistance. The coordination he provides between the legal services office in Port Huene and the command is complete, concise, professional and effective," commented Lt. Jg. Vanderkamp in the letter of nomination.

LN1 Gordon faced competition from sailors in several NWC shops as he went before a board to be considered for this high quarterly honor. He will also compete for

NWC Sailor of the Year early in 1987.

His supervisor commended him for personnel excellence, noting he had received a letter of appreciation from the Naval Legal Service Detachment at Port Huene for "exceptional professional ability, initiative and total dedication to duty."

A veteran of 15 years in the Navy, Petty Officer Gordon says his job is never boring. Noting he spent a year as a yeoman before

converting to the legalman's rate, LN1 Gordon said life as a yeoman might have been boring at times unlike his current rate. "It's always very interesting now," he concluded.

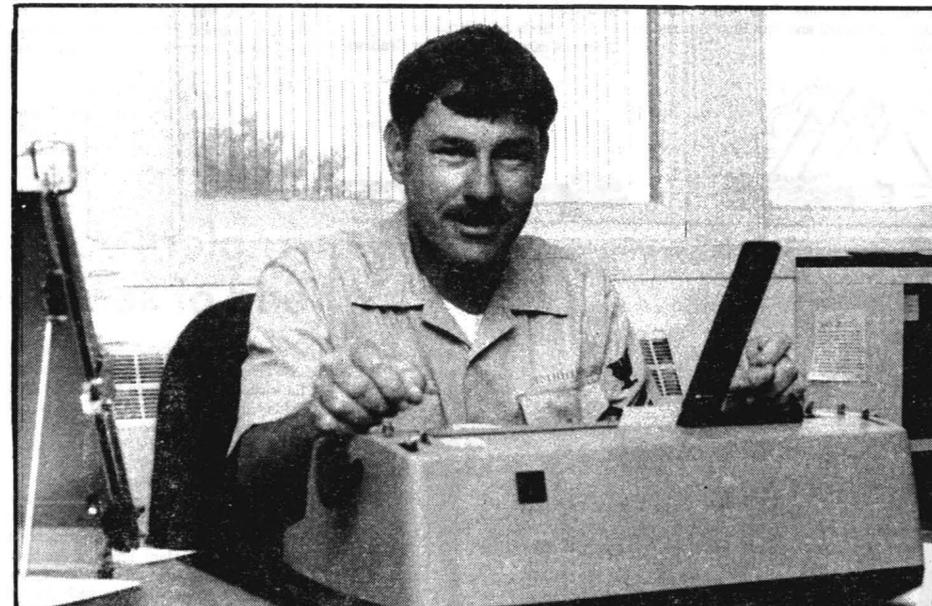
Petty Officer Gordon arrived at China Lake following a three-year tour with the Naval Legal Services Offices in Naples, Italy. He and his wife, Cris, and son, Robbie, age six, enjoy desert living and hope to return to the area when he ends his Naval career in a few years.

When not busy with his job, the new NWC Sailor of the Quarter is active in bowling, watching stock car racing and working with his son's Youth Soccer League team.

It's been an interesting career and there's more to come for the Naval Weapons Center's Sailor of the Quarter.



Military News



NWC SOQ — LN1 William Gordon was named Sailor of the Quarter for the third quarter at the Naval Weapons Center. Petty Officer Gordon serves as command legalman for NWC and works in the Discipline Office of Military Administration Department. — Photo by PH2 Rick Moore

WOPA hosts city mayor

San Diego's mayor, Maureen O'Connor, will be the featured guest speaker at the Nov. 5 San Diego Women Officers' Professional Association (WOPA) luncheon at the Naval Training Center's Admiral Kidd Club starting at 11 a.m.

The luncheon costs \$8 per person. Reservations should be made by calling LCdr. Jan Adams at 225-6262 or Lt. Mary Notsch at 437-2823 by the Oct. 31 deadline.

All officers are invited to attend the luncheon in San Diego.

NEX News

What better way to celebrate the Navy's birthday than with a sale? So the Navy Exchange is featuring a wide range of sale items to honor the big event, including fashion favorites for work and play and handsome decorating items for the home.

There'll be a big Columbus Day sale on Oct. 14 — next Tuesday — to help those with small pocketbooks and flat wallets to get ready for a big Christmas. Now is the time to get that early holiday shopping done.



VGLI increases maximum coverage

The Veterans Administration has increased maximum coverage from \$35,000 to \$50,000 and reduced premium rates by nearly 30 percent for its Veterans Group Life Insurance.

More than 258,000 veterans are covered under the program, but the Veterans Administration is trying to double that number by restructuring the insurance plan.

"It gives former servicemen and women up to 120 days from the date of discharge to convert to the low-cost, five-year VGLI (Veterans Group Life Insurance) term policy, regardless of their physical condition," said a Veterans Administration

spokesman. "They have an additional year beyond that to apply, but must meet good health standards."

"You can be insured under VGLI for only five years because this plan is designed as transition insurance," the spokesman explained. "When people come out of the service, they have a lot on their minds and don't have time to deal with insurance. This gives them time to get on their feet. The five-year limit is by law."

Any honorably discharged veteran who was separated from active duty on or after July 1, 1986 is eligible for the insurance. Those who enlisted in the Individual Ready Reserve or Inactive National Guard on or

after that date are also eligible.

Under the new rate structure, monthly premiums for a \$50,000 policy range from \$5 for veterans 29 and under to \$37.50 for those 60 and older.

"These new veterans deserve continued insurance coverage upon leaving the service and we would like to see them take advantage of these low premiums," said Veterans Administration Administrator Thomas K. Turnage. "We feel it's a good bargain and a benefit they have earned."

The Veterans Administration is working on procedures that would permit active duty service members to apply for the insurance before being discharged.

DEERS solves problem for Guard, Reserve

Problem: Members of the Guard and Reserve and their dependents are eligible for certain Department of Defense benefits only when the sponsor is on active duty. In the event of mobilization, there will be an immediate need to identify benefit eligibility of 1.4 million Guard and Reserve personnel and their 2 million family members.

Military Days set

Magic Mountain Military Days are being held on Nov. 1, 2, 8, 9, 10, 15, 16, 22, 23, 27, 28, 29 and 30. Special ticket price for these days is \$8.20 for active duty, DOD civilians and retired military and may be purchased at the Information, Ticket and Tour Office.

Possible solution: Pre-enrollment in the Defense Enrollment Eligibility Report System, or DEERS.

"From a morale viewpoint, should the 5th Underwater Mess Kit Repair Unit have to go overseas, we don't want a guy in it worrying whether his pregnant wife will be able to use the hospital. Pre-enrollment should take care of this," said Army Lt. Col. William Bock, who heads the DEERS program office.

DOD decided on a pre-enrollment program after comparing two alternatives: extracting information from DD Forms 1172 and processing the data upon mobilization; or pre-enrollment of Guard/Reserve members and their fami-

lies. Test results indicated that the first option would not meet the requirements of all services.

In Spring 1985, the deputy assistant secretary of defense of reserve affairs approved a three-phase pre-enrollment program. The first stage, which involves pre-enrollment of 200,000 sponsors in high-priority units and their 280,000 family members, began last fall and is nearly completed.

Phase two, enrollment of 550,000 sponsors from second priority units and their 770,000 dependents, will begin shortly after completion of the first phase, followed by phase three — the rest of the force.

RETIREMENT TIME — AOCs James (Dawg) Monahan of Air Test and Evaluation Squadron Five (VX-5) was feted with a retirement party last week at NWC's Chief Petty Officers' Mess as he brought his Naval career to a close.

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RECOMMENDATIONS FOR LESS THAN FULL & OPEN COMPETITION

26 November, Wednesday, 0800-1130, Training Center. By P. Thompson & H. Cropper, Code 25.

Scope: This is a "how to" workshop covering what an acceptable sole source should look like. Also covered will be the process itself, signatures required, thresholds, regulations requiring the need for less than full and open competition, and exceptions to going other than full and open competition.

Deadline: 12 November.

FUNDAMENTALS OF ELECTRONICS

Two courses: the first one is 3-7 November, Monday-Friday; the second one is 12-18 November, Wednesday-Friday and Monday and Tuesday; 0800-1600; Training Center. By Hane Industrial.

Scope: Topics include

- I. Technician Math Review
- II. Fundamental Concepts
- III. Resistors
- IV. Capacitors and Inductors
- V. Semiconductor Devices
- VI. The Oscilloscope
- VII. Power Supplies
- VIII. Transistor Amplifiers
- IX. Other Semiconductor Devices

Note: Class limited to 12 students in each session.

Deadline: 20 October.

FIBER OPTICS TECHNOLOGY FOR SCIENTISTS & ENGINEERS

19-21 November, Wednesday-Friday, 0800-1600, Training Center. By Dr. Richard S. Hughes, Consultant.

Scope:

- I. An Introduction to Optics & Optical Phenomena
 - A. Electromagnetic waves (characteristics)
 - B. Fresnel equations
 - C. Reflection, refraction & absorption
 - D. Total internal reflection (critical angle, etc.)
 - E. Waveguide modes/cutoff frequency
 - F. Polarization
 - G. Interference (superposition & diffraction)
 - II. Optical Fibers
 - A. Materials
 - B. Loss mechanisms (absorption & scattering)
 - C. Single mode & multimode
 - D. Graded index
 - E. Dispersion, bandwidth & link length/bandwidth product
 - F. Characteristics of state of the art
 - III. Optical Sources
 - A. Light-emitting diodes
 - B. Semiconductor injection lasers
 - C. A & B contrasted by bandwidth, coupling efficiency, cost, etc.
 - IV. Detectors
 - A. Materials & processes
 - B. PIN photo diodes
 - C. Avalanche photo diodes
 - D. Repeaters (source/detector combination)
 - V. Integrated Optical Circuits
 - A. Materials & fabrication techniques
 - B. Sources, detectors, lenses, couplers, modulators, etc.
 - C. Integration of components
 - VI. Hardware
 - A. Fibers & cables
 - B. Connectors
 - C. Time domain reflectometers
 - D. Splitters
 - VII. Systems Considerations
 - A. Bandwidth, link length
 - B. Environment
 - C. Examples
- Deadline: 5 November.

QUALITY ASSURANCE

13 November, Thursday, 0800-1600, Training Center. By Quality Assurance Staff, Code 3682.

Scope: Topics include definitions, quality documents, how ASPR VIII and XIV relate to quality documents, quality system management for weapons systems production programs, overall organization and organization for quality, program management, production text and inspection planning, documentation monitoring system, integrated data system, and configuration management system.

Note: This a Technical Management Curriculum class.

Deadline: 30 October.

CLEAR WRITING

2-30 October, Tuesday and Thursday, 1330-1630, Cerro Coso Community College, Room 317. By C. Hewer.

Scope: Topics include discussion of typical NWC writing assignments; review of grammar, punctuation, and spelling; guidance on abbreviations, acronyms, jargon, and lightweight words; helpful hints about mechanical aids to organization; illustration of illustrations being worth a hundred words; and cautions about reviewers and audience.

Deadline: 17 October.

ELECTRONIC TEST EQUIPMENT

5-26 November, Wednesdays only, 0730-1130 and 1230-1630 (2 sessions, sign up for one only), Training Center, Annex 1. By Stan Anderson.

Prerequisite: You should have a basic knowledge of AC and DC theory and be familiar with electronic language.

Scope: The instruction will center on the operation and application of the cathode ray oscilloscope, but will include instruction in peripheral instruments such as signal generators, power supplies, and frequency counters. About an hour of the class will be lecture and the rest of the time will be spent in hands-on operation of the equipment, performing laboratory exercises prepared by the instructor. A hand calculator is a must for this class.

Note: The class is limited to 12 students.

Deadline: 20 October.

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

TECHNOLOGY REVIEW & UPDATE FOR TECHNICIANS (40 hours)

DATE AND TIME: December 1-5, 0800-1600.
LOCATION: NPG, Monterey, CA.
TUITION: \$450.

Note: NWC has reserved 20 spaces in this course. To apply, submit an On-Center Training Request Form 12410/73, including a job order number for tuition, to Code 094 by October 31. After the deadline, Code 094 will forward one DD 1556 to NPG for the 20 selected attendees. Attendees will be responsible for arranging and paying for their own transportation and lodging. A BOQ phone number will be provided.

COURSE OBJECTIVE AND SCHEDULE: This course is intended for technical personnel who are interested in refreshing and updating their knowledge in the areas of linear and digital integrated circuits, radar technology, software and microwave/millimeter wave technology. Each participant in this course is expected to be involved in work in at least one of the areas mentioned. The course should provide a good overview and stress the more practical aspects of the topics listed.

COURSE OUTLINE

RADAR AND EW TECHNOLOGY

- Introduction to Radar Systems and Range Equation
- Signal Processing and Tracking
- Phased Array - ESR
- Introduction to Electronic Warfare
- ESM
- ECM & ECCM

PROGRAMMING LANGUAGES AND SYSTEMS

- Fundamentals of Higher Order Languages
- 4th Generation Language ADA
- 5th Generation Language PROLOG
- Software Engineering Environments

PERSONAL COMPUTER SOFTWARE

- History of Micro Software Development
- Systems Software on Personal Computers
- Software Development Tools for Personal Computers
- Application Software for Personal Computers

SOLID STATE SENSORS

- Introduction: Sensor Applications
- Physical Principles used for Sensing
- Processing Silicon for use in Sensors
- Integrated Sensors: Their Design and Performance

MICROWAVE/MILLIMETER WAVE TECHNOLOGY

- Modern Microwave Design Techniques
- Modern Microwave Measurement Techniques
- Characteristics of Millimeter Waves and Applications
- Transmission Media, Sources and Detector Technology

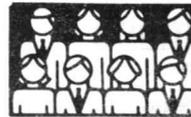
INTEGRATED CIRCUITS OVERVIEW I

- Op-Amp Primer: Understanding the IC Op-Amp
- Some New Liner ICs
- Data Acquisition: DACs and the latest A/Ds
- Filters: Some Basics and the New Switched-Capacitor Circuits
- The Evolution of the IC Technologies from the Bipolar Transistor to Modern-Day VLSI

INTEGRATED CIRCUITS OVERVIEW II

- 32-Bit Microprocessors
- RISC Architecture
- LSI for Telecom
- LSI for Office Automation
- Trends in Memory Technology
- Local Area Networks
- LSI: The Manufacturer's Point of View

For more information, pick up the complete brochure at the Training Center, Room 104, or contact Vicki, NWC ext. 2359.



Personnel News & Notes

No. 67 / October 10, 1986

Naval Weapons Center, China Lake, California 93555 6001

PROMOTIONAL OPPORTUNITIES

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

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

No. 08-059, Computer Operator, GS-322-4, Code 0881 — Position is located in the Computer Operations Branch, Computing System Division. Serves as a junior level or trainee computer operator in the operation of major ADP systems (UNIVAL 1100/80) with full operational responsibilities over on-line peripheral equipment and associated devices. Knowledge: of data processing. Abilities: to operate computer equipment (i.e., large main frame, high speed printer); to work as a member of a team. Promotion potential to GS-8.

No. 08-060, Budget Analyst, DA-560-1/2/3, Code 083 (2 vacancies) — Incumbent provides resource support services to one of NWC's operating departments. Responsible for all phases of budget execution, formulation, control and monitoring of direct, overhead, capital and service center budgets. Responsible for conducting financial analyses. Abilities: to gather and analyze raw financial data; to prepare clear and concise written and oral communications; to deal tactfully and effectively with others. Promotion potential to DP-3.

No. 22-8640, Recreation Aid, PS-0189-04, \$4.89 per hour, Intermittent Scheduled, Code 2227 — Incumbent provides assistance to the Youth Activities Director in the supervision and training of attendants, makes sure daily records and inventories of equipment are kept accurately and is responsible for safe keeping and maintenance of supplies and equipment. Promotes all related programs and performs other subsidiary jobs necessary for the function of the Youth Center. Qualification Requirements: Must have some supervisory experience in recreation/athletics or youth programming and have ability to work well with all ages of children. This is not a Civil Service position.

No. 26-067, Laborer, WG-3502-3, Code 26416 — Incumbent performs manual labor such as digging ditches, breaking and removing concrete, removing trash, assisting in pouring cement, delivering furniture, etc. Job Relevant Criteria: Reliability and dependability; ability to follow directions; knowledge of related lines of work, equipment and tools; dexterity and safety; and ability to work without more than normal supervision.

No. 32-220, Clerk-Typist, GS-322-3/4, Code 3254 — Incumbent provides typing and clerical support to the Process Engineering Branch. Elements: Knowledge of Navy correspondence procedures and of filing systems. Ability to perform receptionist and telephone duties; to receive and distribute incoming/outgoing correspondence. A qualified typist is required. Promotion potential to GS-4.

No. 32-225, Mail/File Clerk, GS-305-4, Code 32024 — Incumbent provides a variety of office services in the area of employee benefits and services, awards administration, maintains mail distribution for Code 32 personnel and other codes as well. As assistant department CCP, duties include: filing, reproduction and accountability of classified material, safeguarding of classified documents. Elements: Knowledge of the organizational structures and functions of the Center; knowledge of mail/file and records, security and the incentive awards program; ability to exercise diplomacy and discretion in dealing with sensitive information; ability to interface with employees at all levels, both internally and externally to the department. Promotion potential to GS-4. Status eligibles may apply. Previous applicants need not apply.

No. 36-184, Engineering Technician, DT-

802-2, Code 3651 — This position is located in the Data Acquisition and Control Branch, Technical Data Division, Engineering Department. The incumbent will assist senior specialist to plan, program, implement and monitor the acquisition of the technical documentation required throughout the life cycle of a weapon system. Elements: Knowledge: of program life cycles; of governing standards, directives and specifications. Ability: to prepare data packages for new requirements; to communicate orally; to communicate in writing; to do the work of the position without more than normal supervision. Status eligibles may apply. Promotion potential to DT-3, however is not guaranteed.

No. 36-185, Engineering Technician, DT-802-1/2/3, Code 36811 — Incumbent participates in the early development and fabrication of missile guidance and control electronics and associated mechanical hardware, including prototype production, in-service support and product improvement phase of guided missile development projects. Elements: Knowledge: of mechanical hardware such as tooling plates for alignment of critical parts; of basic programming for drilling and machining. Ability: to work as a member of a team; to communicate orally; to communicate in writing with personnel of varying technical backgrounds. Promotion potential to DT-3.

No. 36-187, Interdisciplinary position, Supervisory Electronic/Mechanical Engineer/Operations Research Analyst, DP-850/830/1515-3/4, Code 3625 — This position is that of head, Missile Guidance Support Branch, Engineering Department. The incumbent is responsible to the head, System Engineering Division for technical/production support of the Harpoon/SLAM and Cruise (TASM) Guidance Systems. The branch directly supports the Harpoon/SLAM and Cruise Program offices in the development and maintenance of systems engineering expertise in missile radars, guidance computers, ECM/ECCM techniques and digital simulation of radar guidance systems. Production support includes evaluation of proposed engineering changes and maintenance of current knowledge of guidance systems hardware, fabrication techniques, test requirements and methods. In addition, the branch assists various NWC development projects.

REASSIGNMENT OPPORTUNITIES

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

No. 26-066, Civil Engineer, DP-810-2/3, Code 2636 — This position is in the Civil/Structural Branch of the Public Works Engineering Division. Incumbent will be responsible for the design, plans and specifications, studies, economic analyses, engineering reports and consultation of asphalt pavements, foundations and soil mechanics, structural engineering, sanitary facilities and waste disposal, potable water supply systems and drainage systems. Incumbent will be responsible for preparing contract plans, specifications and cost estimates. Shall be responsible for coordinating scopes of work, design parameters and funding restrictions with both architect/engineering firms and with

in-house technical design teams as a project design engineer. Send copy of current SF-171 to Rodney Kanagawa, Code 2636, extension 3411 x 394. Promotion potential to DP-3.

No. 36-183, Interdisciplinary General/Mechanical/Electrical/Electronics/Aerospace Engineer/Physicist/Mathematician, DP-801/830/850/855/861/1210/1520-2/3, Code 3609 — Incumbent will act as the project engineer of the assigned Phoenix Missile components. Incumbent will coordinate the effort of NWC in close liaison with technical management elements of NAVAIR and the prime missile contractor. Incumbent must be willing to travel, sometimes extensively. Send copy

in definition of EMC requirements, planning, design evaluation and testing. Electromagnetic interference (EMI) and electromagnetic pulse (EMP) test laboratories are maintained and operated by this organization. Elements: Ability: to supervise a large branch through subordinate supervisors; to direct a team of engineers engaged in technical support; to communicate orally; to communicate in writing with all levels of government and contractor personnel. Knowledge: of requirements and procedures with the production of missile guidance systems with emphasis on Harpoon; of applied electromagnetic theory, such as radar or microwave countermeasures; of, and willingness to support EEO program goals and objectives. Promotion potential to DP-4.

No. 36-188, Program Analyst, DA-345-2/3, Code 3609 — Incumbent will act as Business manager for the Phoenix Program, performing a variety of budgeting tasks; i.e., planning, tracking and recommending. A willingness to travel is essential. Elements: Knowledge: of Center financial policies and procedures; of general business, accounting and budget operations. Ability: to communicate orally with all levels; to communicate in writing; to plan, organize and accomplish tasks independently; to comprehend and analyze data; to operate a computer and generate computer reports. Promotion potential to DA-3.

No. 39-041, Supervisory Interdisciplinary (Electronics Engineer/Computer Scientist/Mathematician/Physicist), DP-855/1550/1520/1310-3/4 or Program manager, DP-340-3/4, Code 3923 — Position is that of branch head, Tomahawk Software Support Branch, Engineering Department. Responsible for supporting the Weapons Department and associated systems command program managers in the design, development, acquisition and management of software and software documentation for missiles and other weapons hosting embedded computers. The incumbent will direct the design, development and test of new flight software for the cruise missile. Relevant Criteria: Knowledge of embedded computers for tactical systems; ability to plan, schedule and coordinate technical work as part of a major project and to communicate well both orally and in writing. Willingness to support NWC's EEO policies. Promotion potential to DP-4 but is not guaranteed.

of current SF-171 to Bill Chicky, Code 3609, NWC ext. 1199. Promotion potential to DP-3.

No. 61-014, Electronics Engineer, DP-855-2/3, Code 6133 — This position is located in the Systems Engineering Branch, Engineering Support Division of the Aircraft Department. Incumbent provides matrix support to the QF-4 drone aircraft program, resolves technical issues and provides support as technical monitor for two production contracts. Send updated SF-171 to Dave Eiband, Code 6133. Promotion potential to DP-3.

No. 62-119, Interdisciplinary (General/Electronics/Mechanical/Aerospace Engineer/Physicist), DP-801/855/830/861/

1310-3, Code 62C1 — This position is that of project engineer in the Air Projects Office, Range Department. The incumbent serves as a focal point for program offices and other sponsors for test work on the NWC ranges. Responsibilities include test planning, fiscal management, test coordination, analysis and documentation for AIM-7, AIM-9, AIM-54 and other possible Test and Evaluation programs. Coordinates the efforts of the professional and technical teams. Requires contact with sponsors, technical and administrative personnel, center managers, contractors and national associates. Very little travel required. To apply, send an updated SF-171 to Merrell Lloyd, Code 62C1, NWC ext. 5807.

SECRETARIAL OPPORTUNITIES

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

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

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

No. 26-060, Secretary (Typing), GS-318-4/5, Code 264 — Incumbent provides secretarial support to the Maintenance-Utilities Division. Promotion potential to GS-5.

No. 31-157, Secretary (Typing), GS-318-5, Code 3159 — This secretary position provides support to the Sensor Systems Integration Branch Head and Branch Personnel.

No. 33-024, Secretary (Typing), GS-318-4/5, Code 3381 — Provides secretarial support to the Analysis Branch, service contract administrative support to the COTR (Branch Head, Code 3381) and daily supplemental support for Division Office. Familiarity with IBM Displaywriter system desirable. Promotion potential to GS-5.

No. 35-059, Secretary (Typing), GS-318-4/5, Code 3517 — Incumbent provides support to the SEWS Branch. Knowledge and working skill on the Xerox 860 required. Promotion potential to GS-5. Previous applicants need not reapply.

No. 35-060, Secretary (Typing), GS-318-4/5, Code 3506 — Provides secretarial

support to the HARM program office. Knowledge and working skill on Xerox 860 desirable. Promotion potential to GS-5.

No. 36-182, Secretary (Typing), GS-318-4/5, Code 3603 — Provides secretarial support to Computer Aided Engineering Program Office (CAEP). A willingness to learn the effective use of the VAX is a key requirement of this position.

No. 36-186, Secretary (Typing), GS-318-4/5, Code 3682 — Incumbent provides secretarial support to the Quality Assurance Branch. Knowledge and working skill on the IBM Displaywriter desirable. Promotion potential to GS-5.

No. 62-117, Secretary (Typing), GS-318-4/5, Code 6252 — The incumbent of this position provides clerical and administrative support to the head of the Data Branch. This position is in the Data Systems Division. Wordprocessing skills are preferred; Apple Macintosh training and system usage are provided. Promotion potential to GS-5. Previous applicants need not apply.

"Basic Public Speaking" to be taught at CCCC

"Basic Public Speaking," a 1.5-unit course being offered at Cerro Coso Community College, will cover the basic public speaking techniques with an emphasis on improving communication skills. Kathy Wilson will instruct this course on Tuesdays and Thursdays, Oct. 21, 23 and 28 from 8 a.m. to 5 p.m. at the City Center in Room 113.

There are a variety of over 40 intra-session classes being offered by the school during the fall semester. Classes vary in length and have variable starting and ending dates. For more information on the

short-term classes being held, consult the fall 1986 short-term schedule available at NWC Training Center.

Registration is conducted in the Office of Admissions and Records on a first-come, first-served basis on Mondays and Thursdays from 10 a.m. to 1 p.m. and from 4 to 7 p.m. Hours of registration on Fridays are 10 a.m. to 1 p.m. and 3 to 4:30 p.m.

Enrollment fees are \$5 per unit up to 5 units or a flat fee of \$50 for 6 or more units.

For more information call the College at 375-5001.

Appointment need to see CSUC advisor

Time is running out for people to make an appointment to see Dr. Orlando Madrigal of Cal-State University Chico when he is on Center Oct. 24 to advise current and prospective students in the external degree programs offered by the school.

Cal-State University Chico has external

degree programs in computer science which lead to bachelor's and master's degrees.

Appointments to talk with Dr. Madrigal may be made by telephoning Cyndi Jones, NWC ext. 2648.

Recent Additions

Code	Name	Title
2432	Barsaloux, Fay C.	Clerk-Typist
25204	Jones, Marcia A.	Procurement Analyst
25246	Crabtree, Lloyd R.	Contract Spec.
26022	Newman, Debra A.	Clerk-Typist
26302	Mattis, Litha A.	Clerk-Typist
2636	Allen, Brian K.	Student Volunteer
3112	Barry, Robert N.	Electronics Engr.
3142	Bluejacket, Letia	Student Volunteer (Eng.)
3142	Shaw, Bowen W.	Electronics Engr.
3247	Orloff, Kenneth L.	Mechanical Engrg. Tech.
3272	Crecelius, Diane P.	Student Volunteer
3507	Overmier, Charles S.	Electronics Engr.
3653	Richards, Kari E.	Student Trainee (P S)
3891	Wu, Frances K.	Student Volunteer
3921	Sepulveda, Antonia	Student Volunteer
3924	Gossett, Richard L.	Student Volunteer
3925	Carey, Keith S.	Student Volunteer
3955	Osborne, Mike	Student Volunteer
6411	Edwards, Eddie L.	Secretary (Typing)
6421	Tam, Francis H.	Electronics Engr.

Recent Separations

Code	Name	Title
087	Quezada, Alejandro	Budget Analyst
087	Schoenhals, Cynthia I.	Program Analyst
1423	Russell, Paula S.	Telephone Operator
2412	Whiting, Robert J.	Police Officer Supvy.
25204	Greenlee, Diane H.	Contract Spec.
2522	Cobbs, Elizabeth M.	Clerk-Typist
2522	Connelly, Joan E.	Clerk
2522	Morgan, Beverly L.	Clerk-Typist
2522	Myklebust, Ralph R.	Purchasing Agent
2522	Newman, Amy M.	Clerk-Typist
2522	Ruehle, Dennis C.	Purchasing Agent
2522	Smith, Michelle M.	Purchasing Agent
2522	Thatcher, Tommy J.	Clerk-Typist
25246	Heitmeyer, George A.	Contract Spec.
26022	Newman, Debra A.	Clerk-Typist
26025	Mekker, Dorothy J.	Clerk-Typist
26025	Mumford, Donald D.	Civil Engrg. Tech.
2613	Burns, Kenneth R.	Plan/Est. (Plumbing)
3113	Bergstrom, William J.	Operations Research An.
31C	Blythe, Cleveland H.	Electronics Engr.
32722	Wright, Michael S.	Research Chemist
33305	Lebsack, Clyde R.	Electronics Engr.
3335	Estrada, Anthony J.	Electronics Engr.
3356	Stocking, Larry C.	Mechanical Engr.
3521	Hoover, Mervyn C. Jr.	Electronics Engr.
3606	Slates, Elmer F.	General Engr.
362	Johnson, John M.	Electronics Engr. Spvy.
36213	Gaver, Kenneth D.	Mechanical Engr.
3649	Petersen, Richard O.	Model Maker
36511	Yon, Betty L.	Engrg. Data Mgt. Spec.
36514	Bankston, Sabrina A.	File Clerk
36552	Blockston, Robert F.	Eq. Spec. (Missile)
3891	Powers, Joseph M.	Mechanical Engr.
39151	Ohi, John D.	Mechanical Engr.
3921	Brown, Claude W.	Electronics Engr. Supvy.
62123	Carey, Clark P.	Ordnance Equip. Mech.

Writing effectiveness screening test set

WEST, the Writing Effectiveness Screening Test, will be given on Oct. 27 at 8 a.m.

Cal-State Chico undergraduate students must pass the WEST prior to taking CSCI 172, Systems Architecture. Cost for the examination is \$16.50 and checks must be

made payable to California State University Chico (CSUC).

Please contact Cyndi Jones at NWC ext. 2648 before close of business Oct. 21 to arrange to take the exam.



Personnel Development Opportunities

PROOFREADING

18 and 20 November, Tuesday and Thursday, 0800-1700, Cerro Coso City Center, Room 102. By V. Lundstrom.

Scope: What proofreading is and various techniques involved to proofread effectively. Included are exercises for correct punctuation, capitalization, abbreviations, and numbers.

Note: This class is good preparation for the Effective Writing for Secretaries class scheduled for 28 and 29 January.

Deadline: 4 November.

CONFIGURATION/DATA MANAGEMENT FOR SYSTEM ACQUISITION (Formerly Data Management & Documentation)

8 December, Monday, 0800-1600, Training Center. By Shirley Pladson, Code 3651.

Scope: This course is part of the Technical Management Curriculum. The emphasis is on what the program or technical manager, not the practitioner, should know about data management and documentation. Topics include what data management and documentation is, why it is important, and how it is integrated into the acquisition program.

Deadline: 24 November.

NAVAL MESSAGES

5 November, Wednesday, 0800-1130, Training Center. By RM1 Lewis, Code 2291.

Intended Audience: People who come in contact with Navy messages including drafters, releasers, and typists.

Scope: Covers the steps involved in drafting and typing the narrative type of Navy message, including the response of the drafter and releaser. MINIMIZE procedures will also be covered.

Deadline: 20 October.

WRITING MEMOS AND SERIAL LETTERS THE NAVY WAY

25 November, Tuesday, 0800-1130, Training Center. By Odessa Newman.

Intended Audience: Secretaries and others who review correspondence.

Scope: Provides a brief on Chapter 1 (Naval Writing Standard) of the Department of the Navy's *Correspondence Manual* and highlights policies and procedures in Chapter 2. Chapter 1 will strengthen your skills in organized, natural, compact, and active writing.

Deadline: 12 November.

SPECIAL SESSION FOR SECNAVINST 5216.5C

6 November, Thursday, 0900-1100, Training Center. By Odessa Newman, Code 0821.

Scope: A 2-hour session to answer special questions about the use of SECNAVINST 5216.5C, Department of the Navy's *Correspondence Manual*. The session will be open to all who write or review Navy memos and serial letters, and will be conducted on a drop-in basis with no paperwork required.

FACILITIES EVALUATION/MODIFICATION FOR THE HANDICAPPED

13 November, Thursday, 0800-1200, Training Center. By Jana Dove, Facilitator.

Scope: *The Guide to Disabilities and Barriers*, a synchronized sound and slide program, is presented as a companion to the Facilities Evaluation Survey. *The Guide to Disabilities and Barriers* is intended to help organizations prepare people to conduct the survey, and is also to be used as a source for general information about disabled people and barriers in buildings.

The show is in two parts. The first is an introduction to disabilities for people who don't know any disabled people. For this presentation, disabled people are people who use wheelchairs, walk with difficulty, have little or no use of their hands, are visually impaired or blind, are hearing impaired or deaf, or are mentally impaired. The first part of the program explains how people with each of these disabilities function in the environment and shows some general requirements for accessibility to facilities.

The second part of the show explains specific dimensions and details needed to make facilities accessible to disabled persons. This part of the show follows the organization of the Facilities Evaluation Survey. It is intended to be viewed in preparation for conducting the survey and therefore explains the reason for the access requirements and shows solutions to some existing barriers.

Deadline: 22 October.

EDITING AND REWRITING

5 and 12 November, Wednesday, 0800-1700, Cerro Coso City Center, Room 102. By V. Lundstrom.

Scope: The "chop and polish" in Government writing is the focus of this workshop. Practical for anyone who must edit technical or administrative

copy, it provides valuable information and practice in the skills of critiquing, revising, and clarifying written communication. People who must edit for form will sharpen their awareness of sentence structure, grammar, spelling, paragraphing, layout, and overall organization, using standard editing symbols in the revision process. Where content is also important, this workshop provides guidelines in evaluating thought development.

Deadline: 22 October.

ASSERTION TRAINING

5-7 November (there will be an optional 1-day follow-up scheduled during the spring semester), Wednesday-Friday, 0800-1700, Cerro Coso City Center, Room 101. By J. Dunn.

Scope: Training in positive communication skills with emphasis on assertive behavior that allows you to respect your own rights, and at the same time, respect the rights of others. Topics include myths that block assertiveness; methods of communication; making agreements; constructive use of energy; protective techniques; and definitions of passive, aggressive, and assertive behavior.

Deadline: 22 October.

CONTRACTOR PERFORMANCE MEASUREMENT

17-21 November, Monday-Friday, 0800-1600, Training Center. By Staff of Defense Systems Management College, Ft. Belvoir, VA.

Scope: This course is for people whose jobs require them to do one or more of the following:

1. Analyze major contract status and make recommendations and decisions based on these analyses.
2. Analyze less than major contracts and make recommendations and decisions based on these analyses.
3. Understand the cost/schedule control systems criteria and how the contractor-provided data is used.
4. Implement CPM or conduct surveillance of an approved contractor system.
5. Implement C/SSR (Cost/Schedule Status Report). Topics include a course overview, introduction to CPM, work breakdown structure, five groups of criteria, data analysis techniques, estimated cost at completion, interim summary, baseline management and financial reporting, C/SSC implementation and surveillance, and Cost/Schedule Status Report implementation and use, and a final test.

Deadline: 27 October.

ADP CONTRACTING

3-7 November, Monday-Friday, 0800-1600, Training Center. By Staff of GSA.

Scope: Teaches step-by-step ADP and communications acquisition, how to evaluate which system for the lowest cost, and other unique aspects of ADP contracting. Topics include a regulatory and legal overview; ordering from ADP schedules; systems acquisition; evaluation factors, including conversion costs; and the standard RFP. Upon completion of the course you should be able to apply legal and regulatory requirements to ADP/communications acquisition; evaluate a solicitation for completeness and accuracy; prepare an agency procurement request; and choose the appropriate acquisition method for ADP/communications equipment, software, and services.

Note: You should be familiar with basic ADP terminology and with basic procurement.

Deadline: 20 October.

INTRODUCTION TO SYSTEMS ACQUISITION

3-6 November, Monday-Thursday, 0800-1600, Training Center. By Al Crosby, Management Consultant.

Intended Audience: Technical Management Curriculum students.

Scope: Gives an overview of the systems acquisition process, its philosophies and concepts, and its application in DOD and the Navy. Topics include the acquisition environment, related motivational forces, organization and processes, Congressional role, program managers, source selection, negotiation, contracts and related management considerations, and program control. Emphasis is on management considerations critical to successful program planning and execution.

Deadline: 20 October.