

Art exhibition, auction set tonight by WACOM

Tonight is the night that art lovers in the local area have been eagerly awaiting — the night of the art exhibition and auction sponsored by the Women's Auxiliary of the Commissioned Officers' mess.

A donation of just \$1 per person will provide admittance for the preview showing that begins at 6 p.m. and for the auction itself. There'll be wine and cheese tasting and an hourly door prize.

Lithographs, watercolors, serigraphs, etchings, embossed engravings and original oils will be on sale. These are by artists as noted as Rockwell, Chagall, Calder, Boulanger, John Kelly and others.

Prices range from \$35 up to several thousand dollars. No interest is charged for the extended payment available for investment art. Each custom-framed work of art carries a 15-year exchange privilege.

The Commissioned Officers' Mess is also offering a special prime rib dinner with all the trimmings for only \$8.95 in honor of the exhibition and auction.

Museum seeks more helpers

With the move of the Maturango Museum to its new location at 100 East Las Flores Street in Ridgecrest, volunteers become more important than ever to its operation. More volunteers are needed to keep the museum open from 10 a.m. to 5 p.m. Tuesdays through Sundays.

These Friends of the Museum serve as receptionists, greet visitors, answer telephones, and handle gift shop sales. New volunteers are given an orientation by staff and current volunteers and openings exist both for weekdays and weekends.

In addition to the Friends, interpreters are needed in the exhibit area to help visitors understand the exhibits and clerical assistance is needed in the office.

Current and potential volunteers meet the first Monday of each month at 11:30 a.m. for a brown-bag lunch. Anyone interested in learning what is necessary to become a Friend or to volunteer otherwise is invited to Monday's brown-bag lunch. Potential volunteers can also telephone the museum weekdays at 375-6900 or Shirley Schneider at 375-4291.

Spaces available

Openings are available in the "Movin' On Up" program that the Recreational Services Department offers for first through sixth graders.

Aim of the program is to encourage the development of youth through recreational activities.

More information can be obtained by telephoning Robyn King at NWC ext. 2909.



	Max	Min	Peak Gust	Precip
Fri.	60	40	27 knots	—
Sat.	65	27	26 knots	—
Sun.	64	32	23 knots	—
Mon.	53	33	37 knots	—
Tues.	53	24	17 knots	—
Wed.	48	30	18 knots	trace
Thurs.	56	35	24 knots	—

All measurements are made at Armitage Airfield.

'Rasputin' tickets on sale **Movies**

After nearly three years in the making, the locally written and produced musical "Rasputin" will hit the boards at the Burroughs High School Lecture Center on Friday, March 13.

Reserved tickets for the opening night (at \$8.50 each) can now be ordered by telephoning either Barbara Auld at 375-8881 or Don Kumferman at 377-5544 by March 10. Tickets may also be reserved by sending a check for the appropriate amount to The Rasputin Project, P.O. Box 1751, Ridgecrest.

Additional performance of "Rasputin" will be seen on Saturday, March 14 and

Thursday through Sunday, March 19 through 21 and 26 through 28. Prices for admission for these performances are \$6.50 for general admission and \$4.50 for senior citizens, enlisted military and students under 21.

Tickets for these performances can be purchased at The Art Buffet, The Music Man, Farris' Restaurant, The Book-Let, Medical Arts Pharmacy, Loewen's and D'Allen's. All tickets other than the ones for the opening night performance are good for any performance on a first-come, first-served basis. Tickets will also be available at the door.



Weekend Roundup

An Open House, sponsored by BOSS in honor of Black History Month, will be held tomorrow at 1411 North Downs in Ridgecrest.

Beginning at 11:30 a.m., various activities have been planned during the day to emphasize black history. Displays and a video will begin the festivities, followed by musical selections at 12 noon and 1:05 p.m.; NAACP Forum at 12:10 p.m.; poetry reading at 12:40 p.m.; presentations at 12:50 p.m.; a children's play at 1:15 p.m.; and the keynote speaker, Charles E. Chambers, Counsel to Officer-in-Charge of Construction/Public Works Officer, will offer a few words at 1:55 p.m. The Open House will conclude at 2:25 with "Lift Every Voice and Sing."

Following the Open House will be a soulfood supper at 2:45 p.m. Southern fried chicken, black-eyed peas, candied yams, corn bread and fruit punch will be served for a donation of \$5.50 per plate.

For more information on the Open House or the soulfood supper, contact Solomon Waters at 375-8906.

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Enjoy a prime rib or white fish dinner special at the Chief Petty Officers' Mess tonight. Dinner will be served from 5 to 9 p.m.

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On Wednesday the Chief Petty Officers' Mess will offer a special steak and crab legs dinner. Enjoy the salad bar, a sirloin steak and a pound of crab legs for only \$8.95. Dinner will be served from 5 to 8 p.m.

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Tomorrow is the annual CPO Ball being held at the Chief Petty Officers' Mess. A social hour begins the evening at 6 p.m., followed by dinner at 7 and dancing at 8:30 p.m. Reservations are required. Former NWC Commander Capt. J. J. Lahr, USN (ret.), will be the guest speaker.

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"Disk Werks" will be the band for Wednesday night's disco at the Enlisted Mess. From 8 to 11:30 p.m. disco to the latest tunes for only \$2 per person for people not in active duty and only \$1 for active duty personnel.

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As of March 1, breakfast will no longer be served at the Enlisted Mess.

FRIDAY, SATURDAY	"A FINE MESS"	FEB. 27, 28
Starring Ted Danson and Howie Mandel (Comedy, rated R, 90 min.)		
SUNDAY, MONDAY	"KARATE KID II"	MARCH 1, 2
Starring Ralph Macchio and Pat Morita (Martial Arts, rated PG, 115 min.)		
WEDNESDAY	"AVENGING FORCE"	MARCH 4
Starring Michael Dudikoff and Steve James (Action, rated R, 102 min.)		
FRIDAY	"PEGGY SUE GOT MARRIED"	MARCH 6
Starring Kathleen Turner and Nicolas Cage (Fantasy, rated PG-13, 103 min.)		
Starting Time: Evening 7 pm		
(G) ALL AGES ADMITTED General Audiences		
(PG) ALL AGES ADMITTED Parental Guidance Suggested		
(R) RESTRICTED Under 17 Requires Accompanying Parent or Adult Guardian		

Coso talk set

Ken Ishii, project manager of the Power Plant Construction Department for Mitsubishi Heavy Industries, Inc., will talk about the "Coso Geothermal Power Plant Project, Design and Operation" at the next meeting of the China Lake Post of the Society of American Military Engineers.

The meeting will be held at the Commissioned Officers' Mess on Tuesday, March 17, at 11:30 a.m. Menu choices for the lunch meeting are either the soup and salad bar at \$3.50 for members and \$3.75 for nonmembers or sirloin tips with noodles, vegetables and coffee or tea at \$5.25 for members and \$5.75 for nonmembers.

Reservations are required and members who cannot attend are also asked to call in. These calls must be made no later than Friday, March 13 to either Sam Miller, NWC ext. 3411/287 or Joyce Churchill, NWC ext. 3411/336.

★ U.S. Government Printing Office:
1987 — No. 40044

FROM: _____ PLACE STAMP HERE

TO: _____

MIPI designed to speed work on phone system

Thanks to the close cooperation between the Information Systems Group, the Supply Department, and the Public Works Department, Center personnel will be able to get their telephone systems operational sooner.

The three departments coordinated the development of a Model Installation Program Initiative (MIPI), which was written by John LaMarr, head of the Communications System Division in Code 14. The MIPI was signed off the Center by Capt. John Burt on Dec. and the Chief of Naval Operations granted final approval of the MIPI on Feb. 4.

The MIPI delegates authority to NWC to execute Communication Service Authorizations (CSAs) to a \$300,000 cumulative limit each year; CSAs for tenant

activities can total \$25,000 each per year.

Delegation covers dial tone, relocations, installation of telephone instruments and inside wiring but excludes electronic key systems, private branch exchange (PBX) and outside cable plant.

As of Jan. 1 of this year, the Center had been limited to a total of \$25,000 for CSAs without having to go through the Telephone Management Detachment in San Diego for approval; new Navy policy mandated the \$25,000 limit for all Navy activities and their tenants.

Such a limitation would have caused significant hardship for NWC. In FY 1986, NWC's total number of CSAs issued was 1,146. Experience at China Lake showed that the \$25,000 limit would be reached within the first three to

four weeks of the year and within the first 77 CSAs, leaving 1,070 that would have to go to TMD for approval.

The high volume of CSAs is caused by the Center's more than one million acres with 20,000 telephone poles, more than 6,000 employees, and the nature of the RDT&E work that requires special security considerations and programmatic relocations.

In the first quarter of this fiscal year, three major telecommunications projects were scheduled for completion.

These include the Range Control Center complex, with two new buildings requiring 134 telephones with more than 17,000 feet of inside shielded wire; cost of the wiring alone is \$95,000.

The second project is a telemetering re-

ceiving facility, with 35 telephones and over 5,000 feet of inside wire, costing about \$30,000.

The third project is the Standard Automated Financial System, which requires installation of 15 new telephones and re-arranging 59 telephones into one common system.

Each of these projects alone would have exceeded the \$25,000 limitation that had been imposed. Without the MIPI, the projects would have faced significant delays, adversely affecting both the Center's mission and users of the telephone systems.

The Center will undergo an audit by TMD-West in October of this year to evaluate the effect of the MIPI.

Sophisticated nondestructive inspection possible

Currently being installed by NWC is the latest technical inspection tool available for nondestructive evaluation of large rocket motors through the use of x-rays.

The system, high energy computed tomography (HECT), is operated by Code 62121 at Salt Wells in a new building designed by Bollins and Gill Associates of Los Angeles, and constructed by Cox Construction of San Diego.

The HECT system was designed and is being installed by American Science and Engineering Corporation of Cambridge, Mass. Concept and preliminary design for the project began in 1982; it will be operational next August.

Purpose of HECT is to perform nondestructive inspection of ordnance and ordnance-related items to detect anomalies and/or defects, and to verify internal configuration and item integrity.

Information provided will help engineers in research and development as well as improvement of existing ordnance items. Data derived from the inspections will provide information to analyze the results of testing performed by comparing pre- and post-test inspections for variations or damage induced by testing.

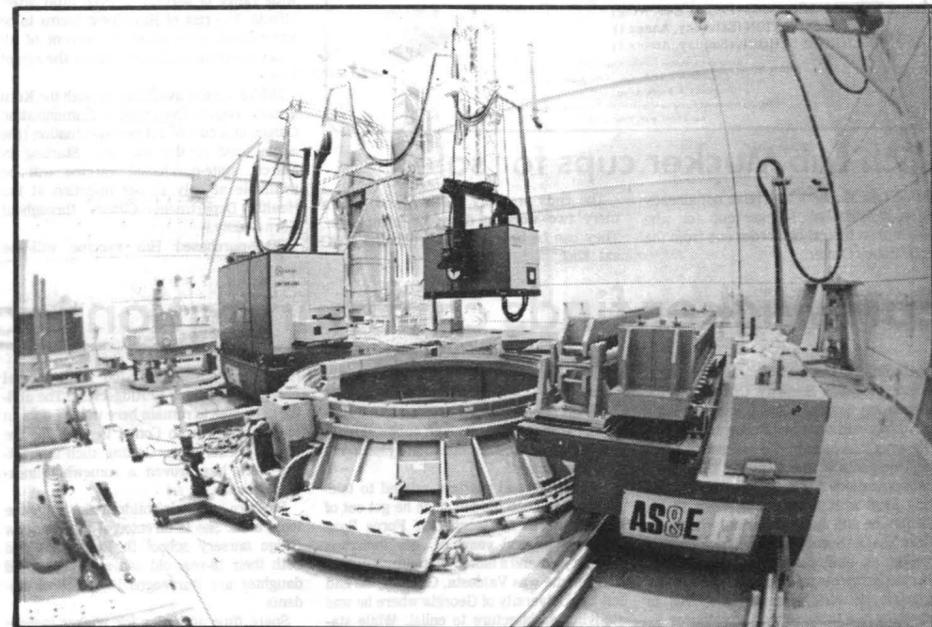
The system consists of a linear accelerator x-ray machine that operates at 17 million electron volts with an output intensity of 10 thousand rads per minute at one meter.

The detector section senses the variation of x-ray intensities absorbed by the item under inspection and these variations in intensity are computer-analyzed and displayed as a cross-sectional view of the interior of the test item.

An elevator with vertical travel of about 25 feet and with 360 degrees of rotation manipulates the item. This allows access to all portions of the item under inspection from the upper to most lower extreme and any tangential position, allowing 100 percent inspection.

The system employs a translator platform that supports the detector system and x-ray machine, which are on opposite sides of the item under inspection. During the inspection, the translator platform moves the beam of the x-ray machine from one side of the item, through the item to the opposite side at a predetermined test item height and radial orientation.

(Continued on Page 3)



NEW CAPABILITY — Heavy-duty moving equipment, including an overhead crane and giant elevator, are used to get ordnance items into the correct position to be X-rayed in the computed tomography facility.

William Long receives credit, TD Award for efforts as manager of MMG program

"We've made very good advances because of this gentleman," Technical Director Gerry Schiefer said Friday as he presented the Technical Director's award to William R. Long.

Long served as Technical Manager for the Multi-Mode Guidance (MMG) program from August 1979 until August 1986.

"You did a superb job of seeing the MMG through evaluating it and coordinating all aspects of it," Schiefer told Long, as he gave Long the engraved block and a signed letter of appreciation that signify the award.

During the time he was Technical Manager, Long was NAVSEA manager for the program and served as interface between the NAVSEA sponsor and two prime

contractors (General Dynamics, Pomona and Hughes Aircraft, Canoga Park). According to the letter of nomination written by Dillard Bullard, head of the Weapons Department, "Bill was the technical 'conscience' for the program and the person solely responsible for the fly-over field testing, all of which was conducted at the Naval Weapons Center."

Among tests conducted, Bullard noted, was a major field test activity on the Center's G-1 Test Range that involved participation of NWC, three contractors and a fleet squadron. He was also responsible for all data gather/reduction and the design, fabrication and integration of two optical reference units for this test.

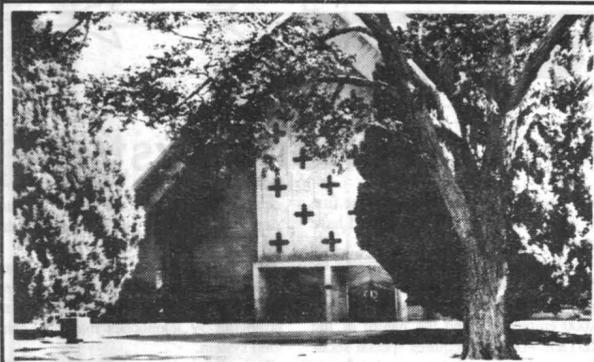
The nomination letter continues, "Bill

was exceptionally effective during the entire lifetime of the program. But he was truly outstanding during the final six months of the program when all elements of the multi-year effort were brought together here at the Naval Weapons Center for 3 months of intensive testing efforts. Bill brought this effort to culmination with an aggressive management style and personal approach that ensure all elements were in place and all required data was gathered and recorded. The result was a valuable advance in the state-of-the-art of future missile seekers."

Long responded to the award noting that

(Continued on Page 3)

(See Photo on Page 3)



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 USN
 Hearing impaired equipment available. Nursery available.
 Phone NWC ext. 3506 2773

Mich Lab Mucker cups for sale

Mich Lab Muckers who have not already gotten a Mich Lab Mucker cup (or who have broken theirs) can order one from the Craft/Hobby Center. The cups are only \$3 each and take a mere two working days for completion. They can be ordered by telephoning NWC ext. 3252.

Earl Wicker finds communication job fascinating

"Absolutely fascinating," is how Earl Wicker, Network Security Officer for the Information Systems Group rates this job that he has held since last December 1.

He says that he is in the process of certifying elements of the Center's Integrated Communications System — as well as existing local area networks in Code 14. In addition, he and Jerry Zaharias, who is the Center's ADP Security Officer, are putting together an outline that can be used by other departments on-Center as soon as the corporate network is certified. "This is something new to the Navy," he enthuses.

While security of data transmitted is a major concern, of at least equal concern is the reliability of the system and its protection against flood, fire and loss of power.

"The flood of 1984 showed us that we needed to pay a lot of attention to reliability," he notes, "in order to ensure that the Center's operations won't be adversely affected when disasters occur."

Although the plan is due by the end of June for certifying the Center's corporate system, the work will be on-going, Wicker says, because whenever a new network

goes on-line, the plan will need to be updated.

"What makes this job exciting to me," he says, "is that it gives me an opportunity to look at a whole communication system, not just telephones."

Telephones and matters related to telephones had been his job since he got out of the Air Force at George Air Force Base following several years of duty including about a year and a half in Vietnam.

His home was Valdosta, Georgia; he had left the University of Georgia where he was studying architecture to enlist. While stationed at George AFB, however, he met Barbara, who has now been his wife for a number of years and decided that he much preferred California to going back to Georgia.

He then went to work for Contel which initially sent them to Ridgecrest in 1972. Wicker says that they weren't sure they were going to like the community, but they really fell in love with it to such an extent that when he was promoted and transferred back to Victorville, they found that they didn't like the community any more.

AIDS screening policies under review by DOD

Surgeon General C. Everett Koop's recent report on AIDS recommended against mass AIDS screening for the general population but acknowledged its importance to the military. The military's HIV screening program is necessary to protect individuals who are required to receive vaccines, to protect individuals deployable to areas with minimal medical support and severe local diseases and to protect the buddy blood donor system that may be required in battle.

According to Dr. John Mazzuchi, health affairs principal director for professional affairs and quality assurance, DOD is reviewing the advisability of AIDS screening for civilian employees, particularly before sending them overseas. The review is part of a previously scheduled look at the HIV policy written in 1985.

Service members who test positive for

HIV but show no symptoms are retained. However, they are usually restricted from assignments to ships, deployable units or overseas bases.

Until recently, the services did not discharge an individual simply for testing HIV positive, but they could give him an honorable, involuntary discharge if he confessed to being a homosexual or drug abuser. However, the Fiscal 1987 Defense Authorization Act bars the services from using confessions given under medical evaluations to involuntarily separate a member.

Individuals who show AIDS symptoms are medically discharged but provided with treatment. Between, and even within, the services, the point in the disease progression at which an individual is medically discharged varies.

Hib vaccine is available

Bacterial meningitis in children is most commonly caused by Haemophilus influenzae type b (Hib) bacteria. It may have a wide range of serious or even fatal after-effects. The risk of Hib illness seems to be age-related, with about 90 percent of all cases occurring in children under the age of five.

Hib vaccine is available through the Kern County Health Department Immunization Clinics at a cost of \$11 per vaccination (the actual cost of the vaccine). Starting in March, state-purchased vaccine will be available at only \$2 per injection at the Health Department Clinics throughout Kern County.

State-purchased Hib vaccine will be

given routinely at all Health Department Clinics to children 24 months of age and will also be given to other two-year-olds and three-year-olds who have not already received the vaccine.

The next immunization clinic in Ridgecrest will be held on Monday, from 8:30 a.m. until noon, at the Health Department, 250 W. Ridgecrest Boulevard in Ridgecrest.

Appointments are not necessary but children aged 2 months to 17 years must be accompanied by a parent or guardian who can sign the consent forms. Shots are \$2 for each routine immunization, with a maximum of \$5 per family per visit. Credit cards, insurance forms or large bills will not be accepted.

Another change of job with Contel brought them back to Ridgecrest. The ability to be able to remain here was a factor in his switching from Contel to work for the Navy, Wicker says. Getting such interesting work has proven a somewhat unexpected bonus.

Barbara and their children also enjoy the local area. She is director of the Rainbow Ridge nursery school in Ridgecrest and both their 18-year-old son and 15-year-old daughter are Burroughs High School students.

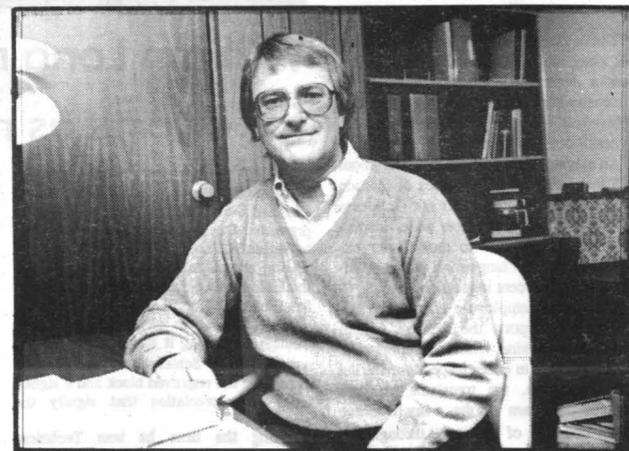
Spare time activities for Wicker include spending a lot of time rebuilding motorcycles with his son, who has just begun to race them professionally. "We seem to spend at least three nights a week

rebuilding bikes," he notes.

Some of the other off-duty time is also spent in taking classes at Cerro Coso, where Wicker is working on an AS degree in computer science.

"Once I get that," he says, "I'll probably finish up a business degree through Cal-State Bakersfield because I had a business minor when I went into the Air Force from the University of Georgia."

He adds that he's glad that this time his education won't be interrupted by the amount of moving around that he had to do in the Air Force. "After Da Nang, I don't even want to go to Hawaii," he says. "The California coast is as far west as I want to head. I like this community and I plan to remain here."



FASCINATING WORK — Earl Wicker is getting an overview of the Center's communication system in his current job.

Mine rescue work calls for skilled volunteers

Mine rescue work takes dedicated volunteers and continual training to keep skills current. Last week the Indian Wells Valley Search and Rescue Team gathered 21 members together for a long nighttime training session in the hills near Ridgecrest.

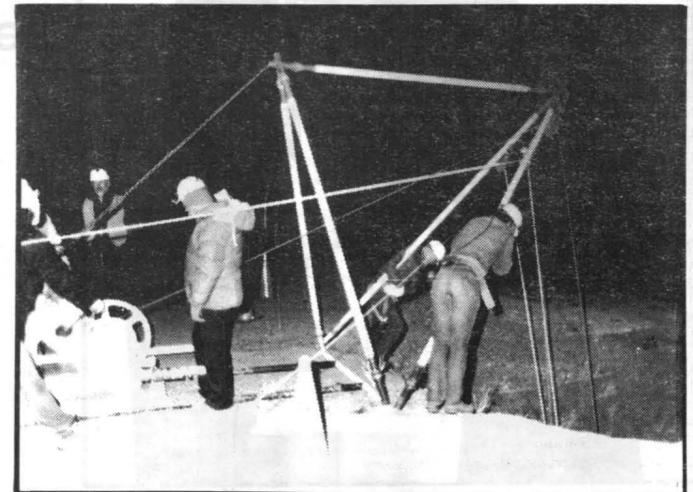
With new and less experienced members on hand, the team set about showing how they conduct an underground rescue operation and why they carry out the tasks in the way they do.

Mark Swett said it is important that new members learn in training sessions before they have to go on an actual effort.

One key aspect of underground work is lowering team members into mine shafts to seek victims. This is done using a winch and a heavy main line. There is also a safety line attached to the individual and controlled by other team members. During this exercise, the team used a heavy rescue dummy to simulate a person going down a shaft, then disconnected the main line to give newcomers a taste of what would happen in an actual rescue if the main line failed.

IWV SAR Team members also received CPR and Red Cross First Aid training on Saturday and then were called out to assist in the search for missing motorcyclists between Robbers Roost and Mojave.

During the search, the team came across two injured off-road bikers in need of care and transportation for medical treatment. They also dispatched the CHP helicopter to transport another injured biker to the Antelope Valley Hospital.



RESCUE TRAINING

Underground rescue work is an important function of the Indian Wells Valley Search and Rescue (IWVSAR) team. Last week, members of the team set up shop at the mouth of an abandoned mine tunnel to practice going in after people trapped in any of the many abandoned mine shafts found in the hills around the area. Newcomers to the team were shown what happens when the main rope to the hoist breaks and how to handle the situation in that kind of emergency. Regular training sessions, such as this one, ensure the IWVSAR team is ready to accomplish the tasks needed when called on for rescue efforts in and around the Indian Wells Valley.



Youth hoop teams play full schedule of contests

Easy wins to hard-fought victories highlighted the games for the Youth league basketball teams last week.

Senior Division

Clippers 83, Kings 40

Scott Arts and Chris Armstrong were leading scorers for the Clippers with 25 and 21 points respectively. Perry Martinez chipped in 18 points, Seth Laborde dunked 12, and Christy Chestnut and Michael Moffitt scored a total of six points for the victors. Griff Davies and Ted Ingle each notched 18 points and Cory Moorehead and Alex Beltran each scored two for the Kings.

Mavericks 30, Bullets 17

In a close struggle, Troy Perkins slammed in 13 points for the Mavericks, Kris Marez and Bryan Perez each chipped in four and Ron Schiller, Aaron Drybread and Lee Brandt made two each. The Bakers scored a total of 15 points with Stephen Brown notching five, Greg Parish, Clinton Parish, and Kelcey Newman notched two each, and Brian Staples added the final point for the Bullets.

Junior Division

Hawks 30, Pacers 27

Hawks' Scott Ross marked eight points and Natalie Noel, Beau Arnold and Casey Smith notched seven, five and four points respectively. Pat Rindt, Joshua Kennedy and Jonathan Myland contributed two points each in the win. Despite Scott Hansen's 17 points, David Moreno's four

points and Amer Saleem's, Adam Plugge's, and Michael Larson's combined six points, the Pacers just couldn't edge out the Hawks.

Clippers 41, Eagles 24

Sean Gilbreath slammed in 22 points, Wade Patterson notched 17 points, and Clark Wilson tallied two points for the victors. Larry Staples marked 13 points and Roger Walden, Leon Staples and Diedrea Marrs tallied a total score of 11 points in the loss.

Jazz 40, Lions 19

Philip Johnson, 14 points and Darrell Eddius, Jr., 10 points were high scorers for the Jazz. Aaron Rife, David Fowler, Amy Hamrick and Chris Fischer marked a total of 16 points in the win. Dwight Mason notched nine points, Wally Mercado eight points and Lori Stowe two points for the Lions.

Intermediate Division

Pistons 32, Cliffs 32

Pistons' Damon Kelling was the high scorer in this tie with 17 points. Joseph Mechtenberg, Greg LaPointe, Sean

Williams, Paul Underwood, and Greg Zwierchowski also scored for the Pistons. Josh Moorehead slammed in 16 points, Tory Flores notched 12 points and Brian Hire tallied 4 points for the Cliffs.

Flames 31, Rockets 17

Will Irvin dunked in 12 points and Jerome Davis six points for the Flames in this lopsided game. Aaron Schwartz, Greg Greedy, Bret Becker, Chris Schultz, and Otto Blowers also scored in the win. Jonathan Moffitt notched eight points for the Rockets. Joey Ernst, Scott Richison, Jim Randolph, and Akini Garret also scored in the loss.

Spurs 47, Nuggets 29

Dennis Sarrett slammed in 14 points and Mark Russell notched 10 points for the Spurs. Keith Parris, Mike Eberhart, Doug Wilson, Seth Rivers and Nick Barkemeyer added points in the win. Jason Benadom and Jason Duff each tallied eight points and Chris Williams marked seven points for the Nuggets. Dan Kamben and Jason Ghormlay also scored in the loss.

Celtics 41, Huskies 8

Carl James slammed in 10 points for the Celtics in this easy win. Joel Haynes notched eight points, Thomas Foisy seven points and Michael deGeus six points for the victors. Darcy Topper, Scott Foremaster and Jeff Brown also tallied in the win. Jesse Jones carried the ball alone for the Huskies for the entire eight points.

Instructional Division

Jets 8, Suns 8

It was a tie all the way in this match. Patrick Ross, Daniel Kelling, Michael Ross and Kevin Cornett notched two points each for the Jets. Chris Branson, Ethan Plugge, Lacy Cordell and Thomas Featherstan marked two points each for the Suns.

Nets 13, Bulls 12

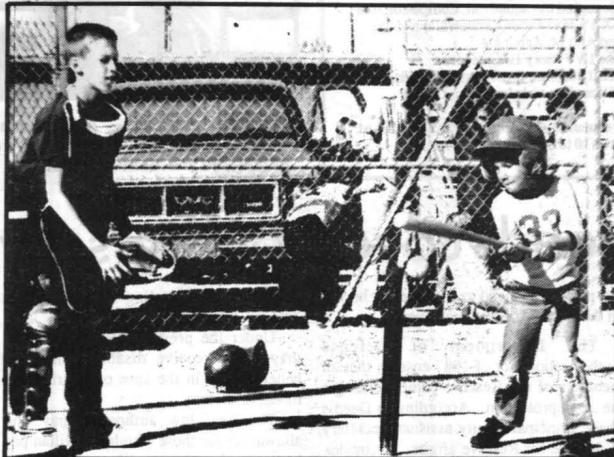
Tim Clark dunked 11 points and Peter Greedy marked two points for the Nets in this close match. Jonathan Mickelson and Neil Underwood each tallied four points and Raymond Gonzalaz and Bill Nelson marked two points each for the Bulls.

Runners 17, Stars 16

Tony Dominguez dunked seven points, Louis Moore marked six points and Mat Giraedot chipped in four points for the Runners in this exciting struggle. Daniel Hartley slammed in 10 points for the Stars, but couldn't get that extra point. William Raymond chipped in four points and Edward Guerra marked two points in the loss.



Sports



T-BALL — With the 1987 China Lake Little League season just around the corner, youngsters are getting ready for the spring sport. T-Ball is the youngest division and allows young baseball players to get the feel of the bat meeting the ball without having to cope with pitchers. Tryouts for all Little Leaguers will be held at Diamond Four on board NWC from 9 a.m. to 1 p.m. tomorrow (Saturday). — Photo by PH2 Rick Moore

Anglers seek better fishing

Lots of wind has been blowing through the Owens Valley during the past couple of weeks. Some of this has been in conjunction with storm systems that have brought a little additional snow to Mammoth Mountain, but, in general, the eastern Sierra is experiencing one of the driest winters on record. The outlook for good summer fishing is bleak.

Fishing right now in the Owens River is very good. Those fishing in the area near Bartels Road have been especially successful in catching large rainbow trout.

So far there's not been much success in fishing the warm water fishery now being established in the old Owens River south of Big Pine. When the water gets warmer bass fishing should be especially good in Goose Lake and Twin Lake and some of the smaller lakes and ponds should also produce good catfish.



BIKE SAFETY — Youngsters at China Lake were able to test their bicycle safety skills and knowledge at a Bike Gymkhana last Saturday. The kids were given tips on safety and on how to ride their bikes around obstacles as part of the gymkhana held at NWC's Schoeffel Field. — Photo by PH2 Rick Moore

Two sharing loop control

Pearson's and Desert Motors have taken over leadership in the "B" Division of the NWC Intramural Basketball League. Sporting identical 7-3 records, they edged the Slow-Goers and Texas Instruments into a third place tie despite 6-3 records.

Another tie exists between De Bums and K-Z Kondors with matched 6-4 records while the only other winning mark at this point in the season belongs to the 6-5 Appaloosa Homes squad. Holding down the cellar with only one victory to show for nine attempts is the Ford Aerospace Five with a 1-8 record.

Three key make-up games are scheduled for March 5 to wrap up regular season competition. At 6 p.m. De Bums will tackle Texas Instruments. The 7 p.m. game pits K-Z Kondors against the cellar dwelling Ford Aerospace and at 8 p.m. the Slow-Goers will clash with Pucci's. All games will be played in the Center Gym. There is no admission charge for intramural games at NWC.



The Skipper Sez...

QUESTION

Military -- Yes, Captain, my question is why does the Day-Care Center close at 1700? Military has priority at the Center, but most of the Military dependents work off-station at a normal 8 to 5, or 9 to 5, job and to get back and get the child out at 5 o'clock is ridiculous, it doesn't work. I am wondering why the hours can't be extended until at least 1800 to give the 9 to 5 personnel the opportunity to utilize the Day-Care Center. Thank you.

ANSWER

The Recreational Services Department is operating with a "bare bones" budget. Additional costs require additional income.

In May, 1986, the Joint Military-Civilian Recreation Council asked that a survey be taken to find out if there was a need for extended hours with child care patrons. The response of the survey showed that those who were interested were not willing to pay the additional cost of the extended hours.

Presently, the Child Care Branch provides, in four separate facilities, care for children 6 months through kindergarten. Child care is available 10 and a half hours per day. OPNAVINST 1700.9A requires two staff members to be on duty at all times when a child care facility is open. This would result in staff costs of \$15.24 per hour for each facility. The current policy is that parents who are late pay \$3 for every 15 minutes after the 5 p.m. closing time -- or \$12 per hour. Since few people have expressed a need for this service, it is necessary for the parents that require "late care" to make other arrangements for their children.

All China Lakers, including military personnel, civilian employees and their dependents, are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. John Burt. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.

24-hour 'Streamline' operational

To fight rising system acquisition and maintenance costs, the Secretary of the Navy has launched a major cost reduction initiative, ACTION '88. ACTION stands for "Attack Costs Through Improvements in Our Navy/Marine Corps." The initiative includes the following programs: productivity, value engineering, acquisition streamlining, off-the-shelf procurement, and specifications and standards. A special telephone line, the "stream-

line," was established last September to receive questions and suggestions on acquisition streamlining and, more recently, other programs under the ACTION '88 banner. It is intended for Navy and industry personnel to inquire about problems and make recommendations concerning ACTION '88 programs.

The 24-hour streamline can be reached at 1-800-NAV-SPEC (1-800-628-7732).

Parking regs will be enforced

Now that the major construction project at Michelson Laboratory is completed and legal parking areas are designated, China Lake police will again be issuing citations for illegally parked vehicles.

China Lakers are advised to check the

parking regulations to ensure that they are parked properly in designated places, at Michelson Laboratory and elsewhere.

Parking on grass or in safety zones is forbidden. Some dirt areas are also posted against parking.

Plan written

Ridgecrest Bureau of Land Management personnel are in the process of writing a management plan for the Trona Pinnacles Area of Critical Environment Concern (ACEC). The Pinnacles are considered one of the most outstanding examples of tufa towers in the U.S. The ACEC designation was established to protect this unique environmental setting.

BLM officials invite comments on the draft plan and note the plan is available for review at the Ridgecrest area BLM Office at 112 E. Dolphin Ave.

The primary goal of BLM's proposed management plan will be to manage the area to maintain its unique scenic qualities.

Long...

(Continued from Page 1)

he felt that his time on the MMG program was well and interestingly spent.

He has been a Navy employee since January 1960, following receiving a degree in physics from Southwest Oklahoma State University. Long was one of the personnel who moved to China Lake from the Naval Ordnance Laboratory at Corona.



Presents:

Promoting and encouraging the professionalism of the secretarial staff at the Naval Weapons Center is the Corporate Secretaries Board (CSB), which was chartered in July 1985 by then Technical Director Burrell Hays.

The group represents the interests of the 410 women and five men who are full-time permanent secretarial and clerk/typist personnel and the 54 other than in that same category. The full-time permanent secretarial personnel represent 8.2 percent of the Center's full-time work force.

Members of the CSB are the Commander's secretary, Technical Director's secretary, directorate secretaries and department secretaries, with the Commander's and Technical Director's secretaries serving as co-chairmen. In addition, a vice chairman is elected by the members to serve on a six-month basis.

The group meets monthly and holds an annual retreat to carry out its business.

Mission of the CSB is to promote and maintain the highest quality of secretarial support to NWC in a variety of ways. These include reviewing secretarial policies and procedures to ensure uniformity of secretarial processes, to increase communication and exchange of information about Center thrusts and issues, to assess training requirements of the secretarial work force and take action to see that these

needs are met and to foster team building across departmental lines.

During its first year, the CSB has examined reasons for putting clerical personnel into the Demonstration Project and has issued a memo regarding their conclusions that is now being studied by Center management.

In addition, the group has also studied why personnel leave the field or Center employment to give the Center a data point for evaluating secretarial turnover in the Codes in the future. They have also had the opportunity to discuss their concerns about decisions on internal hiring controls and to impact those decisions.

To help encourage professionalism, the CSB plans to enhance the professionalism of clerical personnel by making presentations at the various secretarial classes. A videotape is nearly completed that encourages professionalism and highlights the status of secretarial personnel on board; this will be used in conjunction with the training of new clerical personnel.

The first showing of this tape will be at an all-hands secretaries' meeting to be held during National Secretaries' Week in April. Guest speaker for that afternoon-long meeting will be Rita Davenport, best-selling author and award-winning producer and hostess for both radio and television shows. Ms. Davenport will speak on self-esteem.

Tomography...

(Continued from Page 1)

At the conclusion of one translation, the item is reoriented to a new radial orientation and the process is repeated. Data from each translation is collected and stored in computer memory. When the predetermined number of translations have been accomplished, the test item is raised or lowered as needed to the next height and the process is repeated until the item has been completely inspected.

The inspection described for each group of translations for one height location is called a slice. The system will have the capability of obtaining slices from 0.2 inch to 2 inches in thickness.

The data collected from each of the

translations for one complete slice is analyzed and integrated using a sophisticated computer program to produce a video display of the cross sectional area of the slice, resulting in a pseudo three-dimensional presentation.

Also incorporated at the facility is all equipment necessary to perform standard x-ray film inspections, including processing and film assessment equipment.

Included in the design of the facility are many safety features such as flood protection, radiation safety, earthquake stability, fire protection, environmental restrictions for temperature and humidity control, entrance and exit interlocks and various security protection items.

--By Ron Shargots



CONGRATULATIONS IN ORDER — Gerry Schiefer presented the Technical Director's Award, as Long's wife, Linda and son, also named Bill, look on.

Lab construction enhances EWTES test ability

Construction of the Detection Systems Laboratory at the 4,700-foot-level in the Slate mountains was recently started.

The Slate Range Facility (SRF) at EWTES, also known as Echo Range, is strategically located high above the Randsburg Wash valley floor so that it can "see" all of the radar sites at EWTES. The SRF is used to align and calibrate radar systems prior to flight tests, to monitor the radio frequency environment during tests and to provide special equipment and signals for ground-based testing of electronic countermeasures devices.

This military construction project will add 2,050 square feet of permanent, raised access floor space that will contain new electronic systems which are also currently in development as part of the SFR Improvement and Modernization (I&M) program.

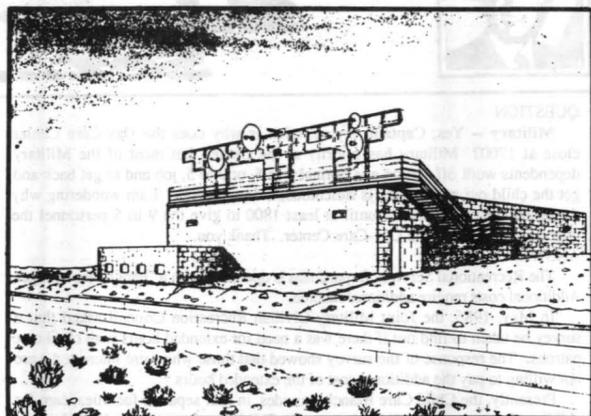
A "space frame" above the roof to support an antenna array and nine miles of electrical transmission line will also be in-

cluded in this construction project. This new power line, in addition to previous projects, will finally end the 20-year tradition of using engine-driven generators at EWTES.

The construction contract was awarded on Nov. 28, 1986 to Martin Electric of Buena Park, Calif. for \$1.45 million. The new facility will be ready for occupancy approximately Sept. 30, 1987.

"With the completion of the MILCON and the associated I&M program, we should achieve an additional 2 to 4 hours a week of available test time for customers," says Milton Burford, head of the EWTES Division.

Because of this and the ability to perform less costly, improved ground-based testing, this project was funded by the Chief of Naval Operations' Productivity Investment Fund. The cost savings will permit a full economic payback of the investment in less than one year.



NOTS Pages from the Past

Among the more colorful of China Lake's Commanders was Capt. Frederick Lincoln Ashworth, whose World War II service included being the weaponeer for the implosion bomb, Fat Man, the atomic bomb, dropped from a B-29 aircraft onto Nagasaki. He also served with Operation Crossroads, the late 1940s atomic bomb tests at Bikini Atoll in the Pacific Ocean.

A 1933 graduate of the Naval Academy, the ninth Commander of what was then the Naval Ordnance Test Station became a Naval aviator in 1936. In addition, he also received postgraduate training in aviation ordnance prior to the war.

Capt. Ashworth won several medals for his distinguished combat service during World War II. He was sent, late in the war, to Los Alamos, New Mexico, where he worked with the development of atomic weapons and received the training needed to become the weaponeer for the second (and final) atom bomb dropped during World War II.

He became Commander of NOTS on Aug. 12, 1955 and served as the Station's Commander until October, 1957, when he left to command the aircraft carrier USS Franklin D. Roosevelt.

By the time that he retired after 35 years of service, Ashworth was a Vice Admiral.

Ashworth Place in the Site B Capehart housing is named after him.

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



ENGINEERING HONORED — Anna Marie Bergins, representing the City of Ridgecrest and Capt. John Burt, Commander of NWC, join in proclaiming that this is Engineer's Week, with the local observance sponsored by the High Desert Engineering Association (HIDEA).



China Lake Police Reports

Police took a vandalism report from an individual living in the BEQ who alleges that unknown persons kicked and bent the hood of his vehicle.

Three persons reported that a tree fell on their vehicles while these were parked in the C. Martin Co. compound. The tree inflicted from minor to major damage on the three vehicles.

A resident in the BEQ reported that an unknown person entered the room and removed a Sony Walkman and a pair of speakers.

In the Site B Capehart housing a suspect waved a knife in the face of a juvenile victim and threatened to kill him. The suspect was arrested for child endangerment and assault with a deadly weapon, and was released to the OOD.

A driver on Sandquist Road reported to police that blowing sand damaged the windshield of his car.

A Motorola beeper was found in the area near Reardon Field. It can be reclaimed at the China Lake police station by its owner.

Unknown persons removed enough

units of a solvent degreaser from Warehouse 19 to make it a grand theft.

Someone removed a pair of tennis shoes that had been left on top of a locker at the gym, resulting in a petty theft complaint.

Police were called on complaint of a prowler at Blueridge. They found a suspect loitering and hiding near some houses. Since the suspect had no reason to be in the area or even on the Center, he was arrested, taken to Ridgecrest jail and issued a letter of trespass.

A vehicle was stuck by another while parked near the Recreational Services Department's building. The driver of the vehicle causing the damage drove away, resulting in a hit-and-run report being filed.

An unknown person threw a rock through a window of a residence in the Site B Capehart housing.

An individual in a front yard was found by police to be drunk in public and unable to care for himself. He was arrested, held for five hours and released with a misdemeanor citation.

China Lake police assisted Ridgecrest police at Motel 6 in the arrest of a suspect wanted for assault with a deadly weapon.

Saturday police took a vandalism report at the airfield. An unknown person had damaged a door.

Police cautioned the owner of a dog in the Site B Capeharts because his dog was reported as being too noisy.

Early Sunday morning police made a traffic stop, found the driver to be driving under the influence and his passenger to be drunk in public. The driver was arrested and held at the China Lake station until sober enough to care for himself before being cited, and the passenger was released to military authorities.

In the B Capeharts police were called to quell domestic violence when a husband

and wife got into a fight.

Police responded to a report of a fight in progress, investigated, and found that both husband and wife were involved in a fight. Police took a report.

During a traffic stop for a violation, police discovered that the driver did not have a license. The driver was issued a misdemeanor citation.

Two reports were filed by parents when their children did not come home from school one day last week, one from Richmond School and the other from Murray Junior High. When police checked the next day, they were told that both the missing youngsters had returned home.

Police received a report that a vehicle was overturned in the desert near the intersection of Sandquist and Lauritsen. They found not a trace of the driver, so they checked with the owner of the car. This military individual told them that he had not been the driver and that the car had been stolen while parked at the BEQ. Evidence found at the scene indicated to police that the individual had filed a false report, that he had, indeed, been the driver. He later admitted that he had been the driver. The next day a warrant was served on him and he was arrested and booked into jail for traffic violations.

An individual who has been permitted to take a government calculator home reported to police that it had fallen from the back of his motorcycle on his way to work the next morning. He retraced his route and was unable to locate the missing calculator.

The back wheels of a vehicle being driven on the Randsburg Wash access road locked up, causing the vehicle to veer off the road into the desert and overturn. The driver was not injured.

Officers took a report of a petty theft that occurred in the Site B Capehart housing. An envelope containing a driver's license was reported as being stolen.

Seabees mark 45th anniversary with celebration

This year marks the 45th anniversary of the founding of the Seabees and the 120th anniversary of the U.S. Navy's Civil Engineer Corps. Both will be observed on Saturday, March 7 at the annual Seabee Ball.

This gala event this year is set for Le Parc Restaurant at Heritage Inn in Ridgecrest with a social hour starting at 6 p.m.

Included in the plans are the traditional cake cutting ceremony, carried out by the King Bee, the youngest and oldest Seabees present. Also, the China Lake Detachment's Seabee of the Year will be announced.

Reserve Naval Mobile Construction Battalion 17 (RNMCB 17), parent organization for the China Lake detachment, has personnel scattered from Port Hueneme to Bakersfield and from Phoenix to San Luis Obispo.

On March 5, 1942 the then Bureau of Navigation sanctioned the Seabee designation and the now famous bee insignia for Naval Construction Battalions. In the early days of World War II, these "Can Do" units, formed under the command of Civil Engineer Corps officers, provided the Navy with a desperately needed construction capability in support of forces ashore and afloat.

Since then, Seabees have distinguished

themselves in combat construction for the jungles of Guadalcanal to the rice paddies of Vietnam.

During peacetime, Seabees are called on for a wide variety of tasks. They provide and maintain Navy shore facilities throughout the world and they provide community support services, such as China Lake's work on Project Community Pride for the past seven years and more.

During their two weeks active duty each

year, Seabee reservists are likely to go anywhere in the world for construction projects. The China Lake unit was sent to the Canal Zone in Panama a couple of years for project work and this year many of them will be going to Mississippi for two weeks of training and work.

Battalion 17 was established at Camp Allen, Norfolk, Va. and went into combat with the invasion of North Africa in 1942. The unit was moved to Port Hueneme in 1944 and joined of the Seabee outfits in constructing a Naval base on the island of Saipan. The 1945 battalion moved to Okinawa and was inactivated late that year.

Returned to life in 1962 as RNMCB 17, home ported in Port Hueneme, the battalion is now more than 500 persons strong with 10 detachments in the southwestern United States.



Military News

Navy League salutes military at banquet

On Friday, March 14 one service member from China Lake will be named Bluejacket of the Year for the Indian Wells Valley Council of the Navy League at the annual awards dinner held at the NWC Enlisted Mess, set for 7:30 p.m.

Competing for the honor will be Sailors of the Quarter from the Naval Weapons Center and Air Test and Evaluation Squadron Five (VX-5) for 1986. One will walk off with the top award, but all will be honored and receive special awards.

Representing NWC will be RP2 Walter Quan, MSC Kenneth Nowicki, PH2 John Vasquez and LN1 William Gordon, who earlier this year was named Sailor of the Year for NWC.

One of the top sailors for VX-5 has since departed the squadron. Competing this year for the Navy League award, won by VX-5's MS2 Peter Vandewalle a year ago, are SSgt. John Haber, LJ2 Todd Fox and AE1 M. Arbuckle.

Generous support of this program from the IWW Navy League, area businesses, clubs and individuals have made it possible to give cash awards to all the candidates for this honor as well as additional awards for China Lake's outstanding Bluejacket from 1986.

Reservations for planning to attend are requested. Call Bea at 375-4272, Julie at 446-5488 or Dee at 375-2610 no later than March 10 to make reservations.



ANOTHER HITCH — AME2 Jonathan Lea shipped over for another three-year enlistment in the Navy earlier this month. Lt. Mark Eoff administered the oath of enlistment while Petty Officer Lea's wife, MS3 Denise Lea looked on.

New law expands coverage for service reserves

A reservist is injured in a car accident while driving to his monthly weekend drill. A National Guardsman develops a serious illness while serving his unit's two-week annual training. Another is infected with a rare disease during overseas training. Still another is killed during a routine training exercise.

What benefits can these people or their survivors expect? Until recently, they often got nothing. Whether they were eligible for benefits varied, based on whether the reservist or guardsman was serving on a weekend drill (and often wasn't covered) or a two-week annual training period or tour of extended active duty (and often was). To further complicate things, criteria for benefit eligibility varied depending on what service-

the person belonged to and whether he was in the Reserve or National Guard.

The Department of Defense Authorization Act of 1987 ensures that all members of the Reserve components get the same protection. According to Dennis Shaw, principal deputy assistant secretary of defense for Reserve affairs, it provides for disability retirement and death benefits as well as pay and allowances for disabled members.

The new law provides for disability retirement for all reservists who develop an injury, disease or illness at or during travel to or from active duty or inactive duty training, such as weekend drills. It also authorizes death benefits for survivors of reservists and guardsmen killed while on

duty or while traveling to or from that duty.

Under the previous law, Shaw said, they could receive disability or death benefits only in the case of injuries, not illness or disease.

The new law authorizes pay and allowances for those who lose civilian pay because of an injury, illness or disease developed at or while traveling to or from active duty or inactive duty training.

If this disability causes a reservist to lose civilian pay because he is unable to work in his civilian job or is forced to reduce his workload, the military will make up the difference.

However, the military will pay only up to the amount that person would receive on active duty, based on rank and service time.

If he makes less than that at his civilian job, the military will pay only up to the civilian rate.

The law specifies that pay and allowances can continue only up to six months. Extensions can be approved only by the service secretary.

Shaw said reservists and guardsmen could receive pay and allowances only for disabling injuries received in connection with duty before the law was enacted. No time limit was placed on these benefits, and some people received payments from the military as well as their civilian employers or insurance companies.

Those who developed illnesses or diseases were entitled to medical and dental care, but no pay and allowances.

DOD introduces DEPMEDS this year

Active duty and Reserve component medical personnel will soon get a chance to train using the Defense Department's newest deployment medical system, DEPMEDS.

Scheduled for official introduction later this year, the system will be the first to be used by all four military services to treat combat casualties.

Providing the best wartime medical care possible has always been a major concern of the military. But with the new deployable medical system, improved medical services will be offered closer to the front lines than ever before. This will allow medical personnel to tend to casualties with fewer delays, speeding up injured service members' recovery and return to duty.

And because the system is standard for all services, it is being bought in larger quantities, at a lower per-unit cost than those it replaces, according to Wilbur J. Balderson, assistant staff director of the Defense Medical Standardization Board.

Balderson said the new deployable system consists of medical specialty sets, housed in newly designed expandable shelters or tents.

These modules can be positioned together into about 15 different configurations, depending on the size, mission and location of the facility.

In the case of a 356-bed hospital to the rear of the combat zone, for example, about 25 of the basic deployable medical systems' modules can be positioned together.

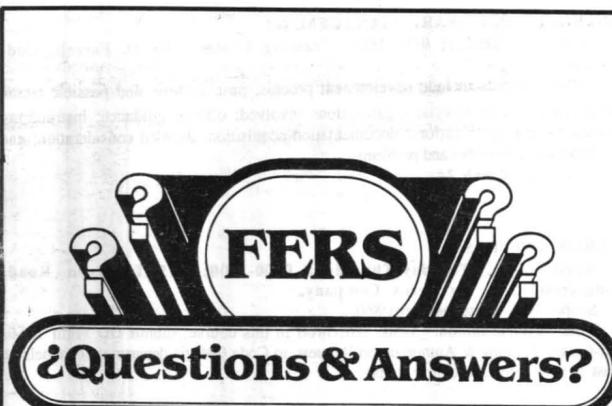
This was the configuration used by the

Army's 21st Evacuation Hospital at Ford Hood, Texas, which gave the new system the thumbs-up after testing in late 1984.

As proven during the test, the individual modules are easily transportable and can be quickly disassembled, repacked, transported to a new field site and reassembled.

All services appear to have big plans for DEPMEDS; each will use DEPMEDS equipment to outfit its combat zone and communications zone hospitals.

To be pre-positioned throughout the United States and overseas beginning this year, the systems will increase military medical readiness. Primary users will be members of the Reserve and National Guard, who would provide a large portion of the military's medical support during wartime.



This Question and Answer column will be published weekly to answer questions you may have about FERS. Questions should be submitted, in writing, to Code 091.

WHAT DOES IT MEAN THAT MY CONTRIBUTIONS TO THE THRIFT SAVINGS PLAN ARE TAX SHELTERED?

All your contributions, any employer contributions, and earnings on those contributions, are not subject to federal income tax until you receive a distribution of your Thrift Savings Fund account. Your contributions reduce your gross income for federal income tax purposes.

IF I CONTRIBUTE TO THE THRIFT SAVINGS PLAN WILL THE TAXABLE SALARY REDUCTION REDUCE ANY OTHER BENEFITS, SUCH AS "HIGH-3" PAY OR LIFE INSURANCE?

No. Contribution to the Thrift Saving Plan does not reduce any other benefits.

IF I CONTRIBUTE TO THE THRIFT SAVINGS PLAN CAN I REDUCE OR TERMINATE PARTICIPATION AT A TIME OTHER THAN OPEN SEASON?

You can terminate participation in the Thrift Savings Plan at any time, but you can reduce the amount of contribution only during an Open Season. However, if you terminate participation at a time other than Open Season, you would not be eligible to participate in the Thrift Plan again until the second Open Season after your election to terminate your participation.

Texas Instruments sponsors symposium about artificial intelligence on April 8

Texas Instruments will be sponsoring the third Artificial Intelligence (AI) Satellite Symposium on April 8 from 8 a.m. until 12 noon at the Training Center in room 107.

In this new symposium, a roundtable of some of the world's foremost authorities will explore today's productivity benefits and tomorrow's potentials of rapidly spreading technologies at the leading edge of AI.

In four hours, Symposium III will examine the very latest developments, applications and future potential -- from diverse perspectives. It will broaden the view of AI beyond knowledge-based systems to also include natural language processing and rapid prototyping of both AI and conventional software.

And, following Symposium III, from 1 to 2:30 p.m., Texas Instruments will broadcast, for those who missed Symposium II (Knowledge-Based-Systems: A Step-by-Step Guide to Getting Started), a 90-minute condensation packed with useful direction on how to get started with knowledge-based systems.

An exceptional panel brings you the latest perspectives on AI, present and future:

Dr. Edward A. Feigenbaum, AI pioneer, author and lecturer, renowned educator from Stanford, past president of the American Association of Artificial Intelligence.

Dr. George Heilmeier, Senior Vice President and Chief Technical Officer of Texas Instruments, former Director of the Defense Advanced Research Projects Agency (DARPA).

Dr. Alan C. Kay, Apple Fellow, pioneer and key innovator in personal

computing and artificial intelligence. Invented "Smalltalk" computer language and pioneered the use of icons.

Dr. Douglas B. Lenat, Principal Scientist for Microelectronics and Computer Technology Corporation (MCC), pioneer in machine learning through study of the nature of heuristics.

Dr. Roger C. Schank, Professor of Computer Science and Psychology, Yale University, and Chairman of Cognitive Systems, Inc. Pioneer in development of computer models of memory and learning.

Dr. Herbert Schorr, Group Director of Products and Technology, IBM. Responsible for the introduction of new, advanced technology and applications.

Dr. Harry R. Tennant, roundtable host, Senior Member Technical Staff and Manager of AI Research in Texas Instruments Computer Science Laboratory. Inventor of the concept of menu-based natural language understanding.

Plus a special interview with: **James Martin**, author of 33 books on computing technology and one of the computer industry's best attended lecturers. Chairman of James Martin Associates, and Knowledge Ware. On technical advisory board of Teknowledge and the Artificial Intelligence Corporation.

To attend this symposium submit NWC Form 12410/73 to Code 094 no later than March 25.

Cal-State Bakersfield schedules spring classes for Business and Administration

The following classes are being offered this spring for the Cal-State Bakersfield Business (bachelor's degree) and Administration (master's degree) programs. To enroll in these classes, submit an on-Center Training Request (NAVWPNCEN 12410/73) via department channels to code 094. Registration will be held in class at the first class meeting. Deadline for enrolling is 10 calendar days before the starting date of the class. Although training requests will be accepted after the deadline, that date will be used to determine whether the class will be held.

MGT 300: MANAGEMENT ORGANIZATIONAL BEHAVIOR (5 quarter units)

April 9-June 11, Thursdays; 1600-2100 (1-hour dinner break); Training Center. By Dean Kelsey, CSB.

Scope: An introduction to organizational and management concepts and theories with special attention to individual and group behavior, perception, motivation, influence processes, interpersonal communication, and international issues.

Note: This is a required course for the bachelor's degree in Business Administration and a required foundation course for the master's in Administration.

BA 477/ENG 577: TECHNICAL AND REPORT WRITING (5 quarter units)

April 6-June 15 (no meeting May 25), Mondays; 1600-2100 (1-hour dinner break); Training Center. By Professor Iyasere, CSB.

Scope: Extensive practice in writing clearly and persuasively in technical and specialized forms such as reports of experiments, abstracts, business reports and proposals, letters and memoranda.

Note: This is a required course for the master's degree in Administration. The course satisfies the writing literacy requirement for the Cal-State Bakersfield bachelor's and master's degree programs and for the Cal-State Chico master's degree program. This course is tentatively scheduled to be offered each spring quarter.

ADM 572: SCIENCE, TECHNOLOGY, AND ADMINISTRATION (5 quarter units)

April 7-June 9, Tuesdays; 1600-2100 (1-hour dinner break); Training Center. By Mr. Linstead and Mr. Glen, NWC

Scope: This course explores the role of science and technology in federal, state, and

local public agencies. Emphasis will be placed on the institutions and processes involved with the application of science and technology to national affairs. Topics include Congressional and Executive roles in science and technology; policy development; organizing/governing/regulating science; innovation and federal research and development, and international and domestic technology transfer.

Note: This is a required course for the master's degree in Administration, satisfying a core requirement, which may be met by this course or ADM 570: RESEARCH AND DEVELOPMENT MANAGEMENT.

ECON 350: ECONOMIC PHILOSOPHY AND POLITICAL ECONOMY (5 quarter units)

April 8-June 10, Wednesday; 1600-2100 (1-hour dinner break); Training Center. By Professor Oswell.

Scope: Introduction to the economic perspective and economic goals clarification. Comparison of competing economic world views and examination of major economists (e.g., Smith, Marx, Keynes) in their historical context. Case studies of contemporary issues are included.

Note: This course satisfies General Education Goal X.

MATH 477: THEORY OF PROBABILITY (5 quarter units)

April 7-June 11, Tuesdays and Thursdays; 1600-1800; Training Center. By Dr. Lee Lucas, NWC.

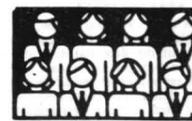
Prerequisite: Calculus III.

Scope: Finite sample spaces, conditional probability and independence, random variables, expectation, the binomial, Poisson, and hyper-geometric distributions, the normal and other continuous distributions, probability mass and density functions, point distributions, functions of random variables, Markov chains.

Text: "Introductory Probability and Statistical Applications." Meyer. Addison-Wesley, 2nd edition, 1970.

GENERAL COMMENTS

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



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. 08-13, Supervisory Budget Analyst, DP-560-3, Code 083

- The incumbent of this position serves as a branch head in the Budget Division, Central Staff. The incumbent is responsible for managing and supervising a professional staff whose responsibilities include providing financial management and policy advice to the assigned directorate and providing budget staff support to various departments as well as Center management. **Job Relevant Criteria:** Ability to supervise, knowledge of off-Center budget requirements; ability to make clear and concise oral presentations; and knowledge of financial analysis.

No. 14-004, ADP Systems Acquisition Specialist, DS-301-1, Code 1442

- Supports the development of specifications for the initiation of Center-wide, centralized automatic data processing hardware and software maintenance contracts. The incumbent will provide day-to-day support for selected ADP support/maintenance contracts. **Job Relevant Criteria:** Knowledge of Federal Acquisition Process; ability to work with people, both civil service and contractor; familiarity with basic ADP technology and terminology. Promotion potential to DS-3.

No. 14-005, Engineering Technician, DT-802-3, Code 1421

- This position serves as the Center's focal point for defining facilities' requirements for a Center-wide data communications network supporting the Center's Corporate computer/data needs. The incumbent will work closely with all other departments on Center to determine requirements and with Public Works Department to develop and recommend equipment and facilities' standards for communication systems. The incumbent will be responsible for developing a plan and generating proposals for minor construction efforts, installation of the communication system and the power sources for it. **Job Relevant Criteria:** Knowledge of facilities' planning and acquisition processes; ability to plan, manage, and coordinate a center-wide effort; ability to interact effectively with a variety of technical personnel in resolution of conflicting requirements; ability to communicate effectively in writing. Promotion potential to DT-3. Status eligibles may apply.

24-009, Security Systems Technician, DT-856-A/1, Code 2431

- This position is located in the Physical Security Branch, Safety and Security Department. Incumbent performs maintenance, testing, troubleshooting, repairing and replacing components of a security system. Responsible for supporting the Center's security system program and assisting senior technicians and supervisors. Responsible for timely and accurate reporting of work results and performing detailed tasks as assigned by senior technicians and supervisors. **Job Relevant Criteria:** Knowledge of electronics principles; ability to use mathematics through trigonometry; ability to use electronic test equipment; ability to read schematics and engineering drawings; ability to work as a member of a technical team; ability to read and understand instructions and procedures.

No. 25-004, Purchasing Agent, GS-1105-4/5/6, Codes 25221, 25222, 25223 and 25224 (multiple vacancies)

- Incumbent is responsible for performing basic purchasing agent functions (i.e. places orders with vendors, issues RFQ's, modifies existing orders, drafts documents), with the assistance of an experienced buyer at the lower level. **Job Relevant Criteria:** Knowledge of federal purchase procedures; of Automated Management Information Systems (OASIS); ability to deal effectively with others; to work under pressure. Promotion potential to GS-7, however not guaranteed. Status eligibles may apply.

No. 25-006, Purchasing Agent, GS-1105-07, Code 2522

Incumbent is responsible for performing basic purchasing agent functions (i.e., places orders with vendors, issues RFQ's, modifies existing orders, drafts documents). **Job Relevant Criteria:** Knowledge of federal purchasing and procurement procedures; of Automated Management Information Systems (OASIS); ability to deal effectively with others; to work under pressure. No promotion potential. Status eligibles may apply.

No. 25-007, Quality Assurance Specialist, DS-1910-1, Code 258

Incumbent will assist in the implementation of quality assurance techniques on NAVWPNCEN projects.

Job Relevant Criteria: Ability to apply quality assurance specifications, policies and instructions; to communicate orally; to communicate in writing. No promotion potential. Status eligibles may apply.

No. 26-011, Planner And Estimator (Heavy Mobile Equipment Repair), WD-5801-08, Code 2612

- The incumbent plans and prepares detailed manpower and material estimates, specifications, and work control documents in connection with the maintenance, repair and alteration of weight handling equipment including required inspections. **Job Relevant Criteria:** Knowledge of technical practices; knowledge of pertinent materials; knowledge of pertinent tools and equipment; ability to facilitate production; ability to interpret instructions and specifications. Supplemental required. Rerun due to administrative error.

No. 26-012, Maintenance Foreman, WS-4701-10, Code 26429

- This position is at the first full supervisory level. The incumbent plans sequence of operations and work steps of employees supervised. Section provides support for the Michelson Lab Service Shop. **Job Relevant Criteria:** Ability to supervise; interpret instructions, specifications, etc.; knowledge of technical practices, materials, and pertinent tools and equipment; interest in and support of the EEO program; Supplemental required. Applications must be received no later than 9 March 87.

31-024, Administrative Assistant, DA-341-1/2, Code 31B2

- This position is located in the Pre-procurement Group of the Contract Support Office, Aircraft Weapons Integration Department. The incumbent supervises the group, which includes clerical and procurement personnel. The group is responsible for all Code 31 pre-procurement procedures for all Code 31 purchase requests. The incumbent assists in the development and execution of the department's Computing and Information System Plan. This effort includes the collection, analysis, and evaluation of data. **Job Relevant Criteria:** Knowledge of procurement procedures and regulations. Knowledge of computing equipment and electronic parts. Ability to analyze data. Ability to develop procedures. Knowledge of affirmative action principles and willingness to support EEO. Ability to supervise. Position has promotion potential to DA-2.

31-025, Electronics Technician, DT-856-A/1, Code 31142

- This position is a trainee in the Hardware Section, F/A-18 Facility Branch, Avionic Facilities Division of Aircraft Weapons Integration Department. This is an Upward Mobility position with a target of Electronics Technician, DT-3. The incumbent will contribute to the development, fabrication, and maintenance of hardware for the facility. He/she will perform as a trainee in the Hardware section with duties that will include the mechanical and electronic fabrication of hardware subsystems; maintaining stocks of specialized components; the troubleshooting and repair electro-mechanical and hardware components. Work will be accomplished from

blueprints, drawings, sketches, and verbal instructions. **Job Relevant Criteria:** Knowledge of electrical principles; ability to use mathematics through trigonometry; ability to use electronics test equipment; ability to read schematics and engineering drawings; ability to work as a member of a technical team; ability to read and understand instructions and procedures. Promotion potential is to a DT-3, but not guaranteed.

No. 36--014, Computer Operator, GS-332-5/6, Code 3664

- Incumbent provides support to organizational personnel in operation and management of HP 3000 high speed digital computer system and VAX 11/780 computer; is responsible for daily activation/deactivation of systems, monitoring work flow to ascertain problems; initiates corrective actions; identifies new system hardware/software necessary to meet anticipated/actual workload and recommends changes. **Job Relevant Criteria:** Knowledge of MARS/AWCAP system; knowledge of MS-DOS, MPE-VE(TD4); knowledge of VMX operating systems; knowledge of local area network systems and associated peripheral equipment; knowledge of the logistics policies and programs located in Code 3664. Promotion potential to GS-6.

No. 36-015, Security Clerk, GS-303-5, Code 3606

- The incumbent provides detailed and comprehensive security administration support to the Special Projects Manager. Some travel may be necessary. **Job Relevant Criteria:** Knowledge of security procedures and requirements; ability to monitor facility security requirement; ability to interpret and implement security procedures; ability to obtain a top secret clearance. Promotion potential GS-5.

No. 36-016, Administrative Officer, DA-341-1/2/3, Code 36602

- This position is located in the Systems Management Office, Fleet Engineering Division, Engineering Department. The Systems Management Office is responsible for the direction and coordination of all technical aspects of production programs under the cognizance of Code 36602 and NVWPNCEN, and include Bigeye, North Finding Module, and others as assigned. The incumbent must manage all program administrative duties. **Job Relevant Criteria:** Knowledge of production/program office operation and management goals; ability to manage the financial support for technical programs; ability to communicate both orally and in writing; ability to work independently. Promotion potential to DA-3.

No. 39-012, Supervisory Interdisciplinary General / Aerospace / Electronics Engineer / Physicist, DP-801/861/855/1310-3, Code 3926

- This position is head of the Inertial Development Branch, Weapons Development Division, Weapons Department. The Inertial Development Branch develops, tests and evaluates inertial sensors and inertial systems. It also functionally integrates inertial systems with navigation aids, such as the Global Positioning System. The successful applicant will supervise multidisciplinary personnel in expanding the technology base and in applying existing technology to strapdown guidance

systems for tactical missiles. **Job Relevant Criteria:** Knowledge of inertial guidance fundamentals; knowledge of hardware and software fundamentals of tactical missile-borne computers; ability to function effectively as a first-level supervisor; ability to establish and maintain effective working relationships with NWC management, participating activities and sponsors; ability to communicate effectively both orally and in writing; knowledge of and commitment to EEO principles and practices. A one-year supervisory probation period is required for new supervisors. Promotion potential to DP-3.

No. 625-003, Electronics Technician, DT-856-1/2/3, Code

6251 - Position is located in the Computer Systems Branch. The incumbent will assist in the operation of Range Control Center Integration and Processing System (RIPS), a major Range Instrumentation System. This Center supports many aspects of Range testing and is crucial to controlling tests and providing data to Range customers. Incumbent will provide technical support to this system. **Job Relevant Criteria:** Ability to read schematics; to operate, maintain, and repair large sophisticated computer systems including peripherals; familiarity with video systems, communications devices, data interfaces, and the operations thereof; familiarity with range operations and SEL computer systems. Promotion potential to DT-3. Previous applicants need not apply.

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. 33-006, Secretary (Typing), GS-318-4, Code 3318 - This position is located in the Microelectronics Branch of the Fuze and Sensors Department. The incumbent provides secretarial support to this branch and support to Division Office. Knowledge of IBM PC using Wordstar and Displaywrite 3 software is desirable but not mandatory. Promotion potential to GS-5. Status eligibles may apply.

Countermeasures Analysis Branch. Knowledge and working skill on the Xerox 860 desirable. Promotion potential to GS-5. Previous applicants need not reapply.

No. 35-001, Secretary (Typing), GS-318-4/5, Code 3516 - The incumbent provides support to the RF

No. 39-013, Secretary (Typing), GS-318-4/5, Code 3914 - This position is located in the Simulation Laboratory, Weapon Synthesis Division, Weapons Department. The incumbent provides secretarial support to the head of the Simulation Laboratory. Promotion potential to GS-5.

Recent Arrivals and Departures

Civil Service

NAME	ARRIVALS CODE	TITLE
Vanderhousen, Kristin	0862	Student Volunteer
Hopkins, John N.	092	Staffing Clerk (Typing)
King, Mona L.	1421	Computer Spec.
Henderson, Janice L.	2405	Clerk-Typist
Bolton, Michael J.	2413	Police Officer
Hart, Victor D.	2413	Police Officer
Diffenbaugh, Philip J.	24213	Firefighter
Blose, Melanie B.	26022	Clerk-Typist
Dent, David M.	3115	Computer Scientist
Dao, Michael B.	3142	Electronics Engr.
Bui, Que T.	3264	Chemist
Bacon, Mary E.	3451	Photographer (Lab)
Le Huong, My	3511	Electronics Engr.
Rushing, Paul R.	36211	Mechanical Engr.
Wire, Yildiz C.	36254	Electronics Engr.
Middleton, Keith E.	3662	Mechanical Engr.
Haugen, Leonard R.	3942	Electronics Engr.
Richardson, Daniel C.	62551	Electronics Tech.
Huber, Heidi	64	Student Volunteer
Zito, Paul A.	64142	Engrg. Tech.
Departures		
Moore, Lauren R.	2405	Clerk-Typist
Stephens, Russell R., Jr.	26303	Architect
Parker, Gregory S.	33303	Program Analyst

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. 14-002R, Interdisciplinary Electronics Engineer / Computer Scientist / Physicist / Program Manager, DP-855 / 1550 / 1310 / 340-3, Code 1400 - Incumbent will manage the Computer Information Systems Project Management Review Process for the Naval Weapons Center. The incumbent serves as a senior manager on the staff of the department head with responsibility for planning and conducting DRC-like reviews (membership will be department heads). The incumbent will also serve as the chairman of the Technical Advisory Committee (TAC). In addition to her/his Program Management Review and TAC responsibilities, the incumbent will be a member of the department's Strategic Planning Team. This assignment requires a self starter with knowledge of the program management review process and experience in program planning and management. In order to be considered, send an SF-171 or resume of your relevant experience to Dennis Rowell at Code 1402. Previous applicants need not reapply.

No. 33-005, Interdisciplinary (Electronics Engineer/Physicist) DP-855/1310/1/2/3, Code 3331 - This position is located in the Surface Targets Fuze Branch, which is involved in design, development, and production support of proximity fuzes for surface

target weapons. Basic active radar and electro-optical technology is used in the efforts on these proximity sensors. The Branch is primarily hardware oriented and works with analog and digital electronic devices in the laboratory, conducts field tests, troubleshoots emerging problems, and carries out feasibility investigations. The incumbent would support ongoing and new programs in the branch that include target detecting devices and related components for HARM, SIDEARM, General Purpose Bombs, Advanced Intercept Weapon System, and advanced fuzing studies. Self-motivation, enthusiasm, and ability to work in a team environment is important. Please submit current SF-171 to Alex Shlanta, Code 3331, NWC ext. 2022.

No. 62-012, Electronics Engineer, DP-855-1/2/3, Code 6256 - The incumbent will support Range radar systems in operations, maintenance, and development. Knowledge of general digital and analog circuits, radar receivers, and transmitters is desirable. Must have knowledge of design and application of interface of equipment to Data General Computers. Instrumentation radar experience desirable. To apply, send an up-dated SF-171 to Larry Tsubakihara, Code 625, NWC ext. 5812.

Get the most out of your Social Security

Most people think of Social Security as something for the future. For some 37 million people receiving Social Security benefits, the future is now. For others, Social Security provides current protection against the loss of income because of disability and for one's family if the worker should die. This is why we say that Social Security touches everybody in one way or another.

The following list are ways to ensure that you get the most out of the Social Security program.

Check your Social Security number at work. To protect your Social Security earnings record, you should compare the name and number on your Social Security card with the name and number on your pay stubs or the Form W-2 you received in January. If the name and numbers are not exactly the same, you should notify your employer.

Check on your earnings record once every three years. A free form can be obtained from any Social Security office for this purpose. The lifetime earnings record is the basis on which benefits are paid. Generally, the higher the average annual earnings, the higher the benefits.

Learn what you need to know about Social Security. Do you know what benefits Social Security pays besides retirement . . . how old you have to be to become eligible for disability or survivors benefits . . . how your benefits will compare with your prior earnings, how other pensions will affect your Social Security benefit? All of these facts are important if you are to use Social Security protection in your financial security planning for a growing family or for retirement. Call your nearest Social Security office and ask for the booklet, "Your Social Security," which provides a general explanation on how the program works. If you have further questions, any Social Security office will be glad to help you.

Know the five times you should contact Social Security. In general, there are five instances you should get in touch with your Social Security Office. These include: When someone in the household (1) retires, (2) becomes disabled, (3) dies, (4) needs a Social Security number, or (5) has a question about Social Security.

Start retirement planning now. Most experts agree that, with people generally living longer and staying in better health, the earlier you start planning for retirement, the better. Social Security benefits are designed to be a base for retirement, not your total retirement income. You need to start building on that base now, through private insurance, savings and investment, and similar means.

There are probably other actions you need to take, but they will probably occur to you if you make and act on these five suggestions. The Ridgecrest Social Security office is located at 337 West Ridgecrest Boulevard; telephone number (619) 375-7447. Office hours are 9 a.m. to 1 p.m., Monday through Friday, for walk-in business.

John W. Powers
Ridgecrest's Social Security Representative



Personnel Development Opportunities

The following computer science course will be held on-Center as part of the Cal-State Chico program:

CSCI 1272: TIME-SHARING OPERATING SYSTEMS (3 units)

April 11-12, May 30-31, and June 20-21, Saturday and Sunday; 0800-1600; Training Center. By Professor Luk, CSUC.

Prerequisite: CSCI 152 (Operating Systems Programming), equivalent, or consent of instructor.

Scope: Analysis of time-sharing operating systems, including hardware and software requirements. Comparison of differing types of scheduling and memory allocation routines. Analysis of system deadlocks and their prevention, I/O control in a time-sharing environment.

Text: "Introduction to Operating Systems." Deitel. Addison-Wesley, 1984.

FLETCHER'S DIGITAL DESIGN TECHNIQUES, PART 1

March 30 - April 24, with no class on Friday, April 3; 0800-1000, Monday, Wednesday and Friday; Training Center. By William Fletcher, Design Analysis, Inc.

This VIDEO course was taped "live" at NWC in October, 1986. The "live" course was 40 hours and not a crash course, but rather a seminar that involves practical examples, teacher-aided work sessions, and some homework. It was structured such that the morning sessions were lecture and the afternoon sessions were workshops. The video students will view ONLY THE LECTURE SESSIONS, the workshops were not taped. Hence the course length is 21 hours vice 40 hours for the "live" class.

Scope: Topics include digital fundamentals, minimization of logic expressions, MSI/LSI circuit applications, fundamentals of sequential machines, sequential-machine analysis and design, and preview of digital-system design approach.

Text: "An Engineering Approach To Digital Design," by Fletcher will be provided.

Note: William Fletcher WILL NOT be available for a "live" class until at least October, 1988.

PROGRAM MANAGEMENT, PART II (Senior Seminar)

April 20 and 21, Monday and Tuesday; 0800-1600; Training Center. By Charlie May, Code 01A5.

This is a summary course intended to tie the TMC curriculum together and to gauge each student's understanding of the material. Guest lectures and NWC case studies may be used to summarize key points of the program.

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

Deadline: April 6.

CHANGING ROLES OF WOMEN TODAY -- MOVING INTO AND CHANGING WITHIN THE WORKPLACE

April 2, Thursday; 0800-1130; Training Center. By Dr. Suzanne Hard.

Intended Audience: Women recently entering the workforce for the first time, women who are reentering the workforce, women who want to make career changes, and women who want to move up their career ladders.

Scope: Topics include how to set personal change and career goals, how to identify and clear blocks that hinder achievement of personal goals, how to identify and reinforce supports that enhance achievement of personal goals, and how to develop strategies for successfully implementing and accomplishing goals.

Deadline: March 19.

STUDENTS PLEASE NOTE

The dates of the last class meeting for the course titled "CSCI 397C-2: EXPERT SYSTEMS" have been changed. The dates for this class are now April 4 and 5, April 25 and 26, and May 16 and 17.

PLANNING AND ESTIMATING REVIEW COURSE

March 30-April 3, Monday-Friday; 0800-1600; Training Center. By WESTNAVFACENCOM, San Bruno, CA.

Prerequisite: Basic Planning and Estimating.

Intended Audience: Employees now working as planners and estimators.

Scope: Topics include introduction to the Navy's Maintenance Management System and Engineered Performance Standards; Engineered Performance Standards general data; the Job Phase Calculation Sheet; special situations; single crafts problem assignments; multiphase problem assignments; and Unit Price Standards (UPS).

Note: You should become prepared to discuss additions and deletions to the craft handbooks.

Deadline: March 12.

RELIABILITY & MAINTAINABILITY

April 1 and 2, Wednesday and Thursday; 0800-1130; Training Center. By Jim Buckingham, Code 3686.

Scope: Part of the Technical Managers' Curriculum. Designed to acquaint managers with the elements of reliability and maintainability. The latest activities by DOD, CMN, and NWC will be discussed. Topics include R&M requirements, R&M management, design criteria, design analysis, parts and materials programs, integrated test programs, failure recurrence control, and documentation review. Help in tailoring these elements to a particular contract because of program phase cost and schedule will be provided.

Deadline: March 25.

INTRO TO SOFTWARE MANAGEMENT

April 7, Tuesday; 0800-1600; Training Center. By D. Farrell, Code 01A51.

Scope: Topics include development process; past, present, and possible future technology and its effects; organizations involved; official guidance; instructions, standards, and specifications; documentation acquisition; detailed consideration; and management approaches and problems.

Deadline: March 24.

XEROX 860, BASIC

April 14-16, Tuesday-Thursday; 0800-1500; 725 Inyokern Road, Ridgecrest, CA. By Xerox Company.

Scope: How to use the Xerox 860.

Note: Course tuition: \$250. To enroll in this course, submit DD Form 1556, Off-Center Training & Authorization Request, to Code 094 via department channels at least 30 days before the course starts.

SPECIAL SESSION FOR SECNAVINST 5216.5C

March 19, Thursday; 0900-1100; Training Center. By Odessa Newman, Code 0821.

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

PHYSICS FOR TECHNICIANS (69t-2 units)

March 16-May 1, Monday, Wednesday, Friday; 1030-1230; Training Center. By John France, Code 3275.

Scope: This class provides the theoretical basis for a practical understanding of mechanics, fluids, waves, sound, light, thermodynamics, electricity and magnetism, and properties of atoms and nuclei. Each subject covered will be supported with a classroom demonstration or film. You should have basic algebra skills. Mathematics beyond basic algebra will be covered with each applicable topic.

Note: Text, "Physics for Technology" by John E. Betts, will be provided.

Note: Since part of the class will be during lunch hour, bring a sack lunch.

Note: This course carries 2 units of credit from Cerro Coso Community College. Grades will be determined by weekly quizzes and a comprehensive final exam. Students will also have the option of taking the course for credit/no credit in lieu of a letter grade. Registration will be taken at the first class meeting.

Deadline: March 2.

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

Self-Study

CSRS/FERS RETIREMENT SYSTEM ANALYSIS PACKAGE (IBM-PC DISK AND FORMS)

Open enrollment, Training Center.

Scope: The Training Center has an IBM-PC disk and federal retirement benefit analysis forms that you can use to input your personal employment data to do a side-by-side comparison of the FERS/CSRS systems to see which system best meets your needs.

Employees covered under CSRS may elect to transfer to FERS during the period of July 1 through December 31, 1987.

If you are interested in checking out this package, call the Learning Center, NWC ext. 2451.

FERS/CSRS RETIREMENT TAPE (Available in 3/4", VHS, or BETA) (23 min.)

Scope: The videotape comparison of the new Civil Service Retirement System (FERS) and the old Civil Service Retirement System (CSRS) (which all civil service employees hired before 1984 are under) is available for checkout from the Learning Center.

FERS, unlike CSRS, is a 3-tiered plan that includes Social Security, a guaranteed annual annuity, and a thrift/savings plan. Covered employees pay full Social-Security contributions (about 7.15% of salary) and a small contribution to a new federal retirement plan. In addition, employees are able to make tax-deferred contributions to a thrift/savings plan, a portion of which will be matched by the government.

Employees covered under CSRS may elect to transfer to FERS from July 1 through December 31, 1987.

THE UNORGANIZED MANAGER, PARTS 1 AND 2 (3/4" VIDEO) (50 min.)

Scope: There is a big difference between a manager who is busy effectively and one who is merely busy, and this is the difference between doing the job right and doing the right job. This course examines this difference and the central problem of all managers: how best to organize their day and year to get the best out of themselves and the people who work for them. The course also includes an exploration of how and why managers fail to delegate (or think they have when they have not). Although Part I and Part II are each self-contained and can be viewed separately, they are most effective as a package.

Topics include organizing yourself -- positive active tasks, reactive tasks; establishing priorities -- importance, urgency; scheduling time-active tasks, reactive tasks; and organizing others -- which task, who does it, briefing and training people, and key points on advice.

To check out these videotapes, contact the Learning Center, Room 100, at the Training Center, or call NWC ext. 2451.