

INTRODUCTIONS — Children enrolled in the Children's Center meet Buck, a pack horse used by the China Lake police for fence riding and search and rescue operations. On Buck is Lt. Andy Pudgorski of

the CLPD, along with his young daughter, Diane, as Officer John Griffiths holds Buck's reins. Buck is the youngest member of the CLPD — he's a mere 14 years old. — Photo by PHAA Bob Reynolds

Baroque orchestra to play Thursday

Works of French composers from the early 1700s will be featured by the Philharmonia Baroque orchestra in its concert at the NWC theater next Thursday. This concert, sponsored by the Indian Wells Valley Concert Association, begins at 7:30 p.m.

Called the "leading large-scale authentic instrument orchestra" and "big band Baroque," the orchestra will feature instrumental and vocal music composed for the Paris Opera by Rameau, Marais, and Clerambault. Conducting will be Music Director Nicholas McGegan, and soprano

Jill Feldman will be guest soloist.

Single performance tickets may be purchased in Ridgecrest at the Music Man, Medical Arts Pharmacy, and Maturango Museum. General admission is \$7, with a special rate of \$5 for those under 21, over 65 and enlisted military personnel. More information about tickets can be obtained by telephoning the IWV Concert Association at 375-5600.

(Season ticket-holders who are unable to attend the concert are urged to release their tickets for resale by telephoning the Concert Association as soon as possible.)



Eureka Dunes hike scheduled

Guided hikes through the Eureka Sand Dunes area will be sponsored by the Bureau of Land Management tomorrow and Sunday, with the hike leaving at 1:30 p.m. both days. Hikers should expect to be afoot for about two hours. Those planning to take part should bring sturdy hiking shoes, a hat, and water.

The Eureka Sand Dunes are located about 45 miles east of Big Pine, which is about 100 miles north of Ridgecrest on Highway 395. The dunes cover 4,200 acres, extending 3.3 miles by 1.5 miles wide. They are noted for having both star-shaped and crescent-shaped dune configurations, and a sand mountain rising 700 feet above the valley floor.

The Commissioned Officers' Mess invites authorized patrons and guests to Membership Night starting at 6 p.m. tonight. For only \$3 per membership number and \$10 per additional ticket, enjoy a dinner featuring steamship round of beef and, starting at 8 p.m., enjoy the band "Exclusive Rights" which will play for dancing and listening pleasure. Blue Club Cards are required for reduced meal prices and reservations are recommended.

Also, remember to enjoy the Sunday Brunch every Sunday from 9:30 a.m. to 1:30 p.m. at the COM.

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Burroughs High School's Chamber Orchestra will hold a benefit concert tomorrow at 7:30 p.m. at the Burroughs High School lecture center. Aim of the concert is to raise money to send the orchestra to Montreal in May. Tickets are \$10 per person, and \$3.50 for children under 12. All who attend are invited to a formal reception following the concert.



Weather Report

	Max	Min	Peak Gust	Precip
Fri.	64	41	28 knots	0.14 in.
Sat.	64	43	32 knots	
Sun.	66	43	32 knots	
Mon.	73	52	40 knots	
Tues.	74	52	25 knots	
Wed.	67	53	33 knots	
Thurs.	69	47	22 knots	

All measurements are made at Armitage Airfield.

Black History to be honored

Tomorrow and Sunday everyone in the community is invited to help celebrate Black History Month by attending either or both of two outstanding events. The first is an open house tomorrow at the Black Original Social Society clubhouse, 1431 N. Downs in Ridgecrest, and the second, on Sunday, is a special Black history program at the Union Baptist Church, located at 312 Mono in Ridgecrest.

Tomorrow's celebration begins at 10 a.m. with an open house, followed by a children's play at noon, singing of old Negro hymns at 12:45, and talks at 1:15 p.m. by Rev. G. Hoggard and Jim Lewis of the NAACP. This will be followed by a social hour with jazz entertainment and the traditional soul food supper featuring fried chicken and all the trimmings at only \$5.50 per plate.

The program at the Union Baptist Church Sunday is sponsored by the church's Young Adult group. It will begin at 4 p.m.

Art auction set for next Friday

Art lovers and decorators, don't forget to mark Friday, February 28, for the upcoming Art Auction and Exhibition being presented by WACOM at the Commissioned Officers' Mess.

A variety of art by famous artists such as Kelly, Rockwell, Delacroix, David Lee and Dali, to name a few, will be available for purchase. Each certified, custom-framed work of art carries a fifteen year exchange guarantee.

A preview of the Patrician Premium Collection, including 99 works of art to sell at \$99 or less, is scheduled for 6 p.m., with hourly door prizes being offered, including two major prizes valued at \$500 and \$1000 each.

The auction, conducted by Patrician Galleries, will begin at 8 and the Patrician Investment Club will be available on purchases of \$500 or more, with no interest charged.

The concert is supported in part by funds from the California Arts Council, a state agency, and the National Endowment for the Arts.

In addition to the Thursday evening performance, a student program will be presented to local sixth graders and orchestra students on the same day. There will be no charge for the student program, which is scheduled for 10 a.m. The student program is made possible by donations to the Student Educational Fund of the IWVCA.

A limited number of seats will be available to the general public for the student program.

Movies

FRIDAY, SUNDAY	"PLENTY"	FEBRUARY 21, 23
	Starring Meryl Streep and Charles Dance (Drama, rated R, 124 min.)	
SATURDAY, MONDAY	"SILVER BULLET"	FEBRUARY 22, 24
	Starring Gary Busey and Everett McGill (Horror/Drama, rated R, 124 min.)	
WEDNESDAY	"TRANCERS"	FEBRUARY 26
	Starring Tim Thomerson and Helen Hunt (Sci-Fi, rated PG-13, 77 min.)	
FRIDAY	"DEATH WISH III"	FEBRUARY 28
	Starring Charles Bronson and Deborah Raffin (Drama, rated R, 89 min.)	
Starting Times: Matinee / 2 pm Evening / 7 pm		
(G) ALL AGES ADMITTED General Audiences (PG) ALL AGES ADMITTED Parental Guidance Suggested (R) RESTRICTED Under 17 Requires Accompanying Parent or Adult Guardian		

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1986 — No. 20043

FROM: _____ PLACE STAMP HERE

TO: _____

NEX News

Spring isn't only the time to clean house, it's also the time to be concerned about car maintenance. The Navy Exchange automotive department continues its early spring auto maintenance sale through Feb. 23. Special sale prices apply to motor oil, oil filters, brake fluid, power steering fluid, and more.

Special orders on Whirlpool appliances are still available. The customer service department at the NEX will be happy to provide additional information.

Master Card and Visa credit cards can be used at the NEX — but cannot be used at the gasoline island.

Revamped NWC Training Center dedicated

Following a major rehabilitation project, the Naval Weapons Center's Training Center formally reopened for full-scale business with a rededication ceremony on Feb. 13.

Capt. K. A. Dickerson, NWC Commander and G.R. Schiefer, Deputy Technical Director, were guest speakers at the ribbon-cutting ceremony. The Skipper also cut the first piece of cake at the reception following the ribbon cutting.

Revamped inside and out in this latest of rehabilitation efforts, the NWC Training Center is now fully carpeted. Smaller, energy efficient metal windows have been installed, while metal doors and frames replaced old wood fixtures.

Other improvements include complete

replacement of electrical power and lighting fixtures, new ceilings, new paint (inside and out), new exterior stairs, landscaping on the south side (replacing a parking area), alterations to improve handicapped access and a new addition to the existing building providing additional classroom space.

Schiefer said the Training Center was a much needed asset to keep the Center the foremost laboratory in the government, "a center of excellence."

Eva Bien, head, Personnel Department, in brief remarks praised the efforts of NWC's Public Works Department in accomplishing renovation. She singled out J. D. Brooks, head, Facilities Planning & Resource Division; Robert Clayton, Public

Works Design Architect; and Bill Bonner, Associate Department Head for Contracts.

Clara Erickson, head of Code 09's Human Resources Development Division said the Training Center staff will continue to provide the very best training possible to Center personnel.

Throughout the rehabilitation process, great care was taken to preserve the historic character of the building. The new addition, for example, uses the same sloping hip roof design and has other similarities in scale and materials.

The current Training Center began its useful life as the headquarters building at the then Naval Ordnance Test Station (NOTS) in 1944 and (except for rehabilitation periods) has been in continuous use

ever since.

In the spring of 1944 Capt. Sherman E. Burroughs moved from his quonset hut home/office to the first NOTS headquarters building. No one has resided in the building since.

Combining office space and training space in one building from the start, the Training Center has served military and civilians at China Lake as the central site for on-Center training, apprentice programs, college extension programs and more.

Today's modern Training Center features on-Center short courses, self-study courses, video-tape based courses, computer based instruction as well as academic degree programs from California State College, Bakersfield and California State Universities Chico and Northridge.

Seabees celebrate birthday

Celebrating 44 years of tradition, the annual Seabee Ball has been scheduled for Saturday, March 1 at the Naval Weapons Center's Commissioned Officers' Mess.

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

Capt. Ralph M. Cugowski, NWC Public Works Officer, will preside as King Bee for 1986 while Col. Roy T. Edwards, Marine Corps Liaison Officer at NWC is the featured speaker of the evening. Capt. Harry Parode, USN (Ret.), is serving as master of ceremonies this year.

Reserve Naval Mobile Construction Battalion 17, parent organization for NWC's detachment has personnel scattered from Phoenix to San Luis Obispo and from Port Hueneme to Bakersfield, including Detachment 0217 of China Lake. The local unit was established in 1960 and has been a fixture on the China Lake scene ever since.

At this year's Seabee Ball, dinner at the COM will precede the special program and will be followed by entertainment from Wayne Paisano and the Roadrunners. Also on the program are a number of musical selections by members of the Barbershop Harmony Society lead by Warren Stump.

Also, the China Lake Sea Cadets will present the colors and serve as cake guards during the cutting ceremony.

The Navy's Civil Engineering Corps was born with legislation signed by the President in 1867. The Seabees were born in the wake of the December 7, 1941 attack on

(Continued on Page 5)



RIBBON CUTTING — Capt. K.A. Dickerson, NWC Commander, uses giant scissors in ribbon cutting ceremonies at the Center's renovated Training Center. Clara Erickson, Human Development Division head (left) uses conventional scissors to join in the ribbon cutting as Eva Bien, head, personnel Department looks on. The Skipper also joined in ceremonial cake cutting as people from throughout the Naval Weapons Center celebrated rededication of the Training Center. — Photo by PHAA Bob Reynolds

Center TD receives Washington offer

At a specially called Commander's meeting last Friday morning, Capt. K. A. Dickerson, Center Commander, announced Burnell W. Hays, NWC Technical Director, has been offered the position of Director of

Navy Laboratories in Washington.

"He's considered to be the best qualified person to get the job done," Capt. Dickerson also commented. "We're pleased that his integrity and skill has been recognized

by this offer."

Hays noted that he was flattered and honored to be asked. He said he has not yet decided whether to take the offer, but would make that decision shortly.

Reduction-In-Force not anticipated here

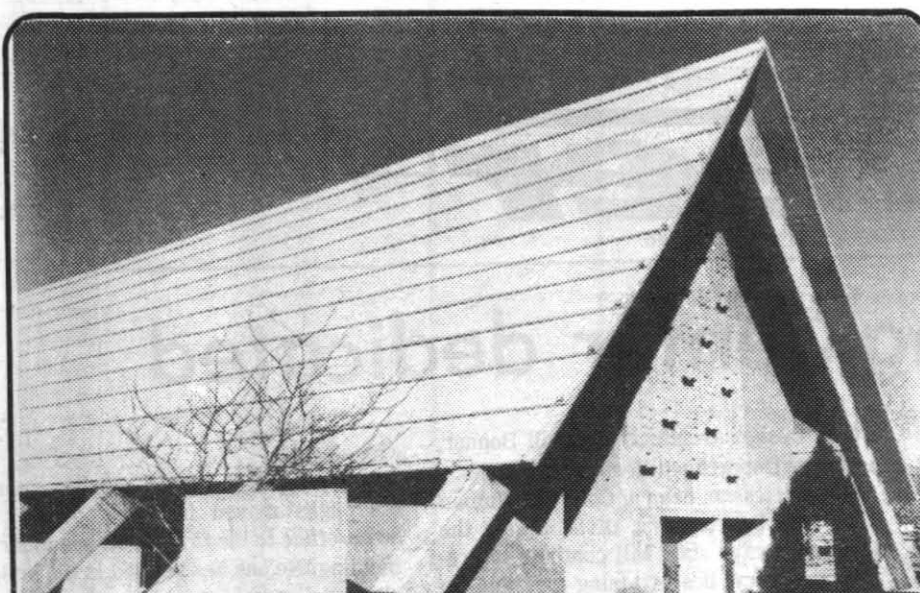
The total freeze on civilian hiring that was imposed by the Secretary of the Navy on January 23 is still in effect. The freeze was invoked because most Navy activities were spending more on civilian employment than had been projected in their approved budget plans. Because the Center is under a freeze, and with the potential impact of the Gramm-Rudman Deficit Reductions Act, Center management recognizes that there has been much speculation and concern that there will have to be a reduction-in-force (RIF) conducted or that employees will have to be furloughed in order to meet budget and/or manpower constraints. The Center does not expect to have to furlough employees or to conduct a RIF in order to meet management limitations that have been established. The Center's in-house dollar limitation is derived from our budget submission for FY-86, and is our own projection of what would be spent in FY-86.

The other target the Center should attempt to meet is no more than 5,014 employees on board at the end of the fiscal year (September 30, 1986). The 5,014 number of employees is only a target and may change. However, we do not expect it to be lower.

In view of current conditions including the personnel hiring freeze which we are under, achieving both the dollar limitation and the end strength number is possible without conducting a RIF or putting employees on furlough.

It is the Center's position that RIF's cost more money than is saved and that furloughs don't make any sense in our environment. Goals can be reached through conservative management. Employees will be kept informed as more information becomes available.

Eva Bien
Civilian Personnel Officer



Divine Services

PROTESTANT	
SUNDAY WORSHIP SERVICE	10:30 a.m.
SUNDAY SCHOOL (Annexes 1, 2, 4, and the East Wing)	9 a.m.
BIBLE STUDY (East Wing)	
Tuesday 7:30 p.m. (Nursery provided) Sept. through June	
Wednesday 11:30 a.m. Sept. through June	
Thursday 7:00 p.m. Officer's Christian Fellowship	
Christian Military Fellowship	
ROMAN CATHOLIC	
SUNDAY MASS	9:00 a.m.
CONFESSIONS (Sunday)	8:15-8:45 a.m.
COMMUNION SERVICE (Monday)	11:35 a.m.
DAILY MASS (Tuesday through Friday)	11:35 a.m.
CONFESSIONS (Friday)	4:30-5:00 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday) Sept. to May	10:30 a.m.
JEWISH	
WEEKLY SERVICES (Friday, East Wing)	7:30 p.m.
ADULT EDUCATION (Saturday, Annex 4)	9 a.m.
RELIGIOUS SCHOOL (Sunday, Annex 95)	9 a.m.
Chaplain J. Milton Collins, Capt., CHC, USN	
Chaplain A. J. Smith, Cdr., CHC, USN	
Chaplain Jason E. Knott, LCdr., CHC, USN	
Phone, NWC ext. 3506, 3507	

Safety tip of week for parents

Keep medicines, alcoholic beverages, cleaning fluids and detergents, rat, weed and insect killers out of reach in locked cabinets — make sure you relock the cabinet after opening it. For storage areas filled with dangerous items, special childproof locks that fit over the doorknob are available.

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Elections set in SAME Post

Highlighting the March 4 luncheon meeting of the China Lake Post, Society of American Military Engineers, will be a talk by John E. Ethridge on the process and benefits of the Small Business Administration's 8A program for small and disadvantaged contractors.

Ethridge's company, Ethridge Construction of Fresno, is currently building the Trident II Horizontal Firing Bay at NWC.

Menu choices for the lunch meeting that starts at 11:30 a.m. at the Golden Frog, are either a chef salad or cheese delight (white bread with turkey, melted cheese and bacon bits). Either costs \$5, including gratuity, tax and coffee or iced tea.

Post and national elections will also be conducted at the meeting, so post members are strongly urged to attend.

Reservations and menu selections are requested by Thursday, Feb. 27. To make reservations, call LCdr. Jim Bullock, Code 262, at 3411, ext. 449.

Captain K. A. Dickerson
NWC Commander

B. W. Hays
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Stopping smoking lets body get back in shape

You smoke. Your friend never has. That means you are three times more likely than your friend to suffer a heart attack. But, according to a report in the "New England Journal of Medicine," if you quit smoking today, in as little as two years your risk of having a heart attack will be exactly the same as your friend's.

Army Maj. (Dr.) James R. Baker Jr., assistant professor of medicine and surgery at the Uniformed Services University of the Health Sciences and a specialist in pulmonary and allergic diseases at Walter Reed Army Medical Center, said the report shows that no matter what other risk factors are present, "those who quit smoking can reduce their risk of having a heart attack substantially."

Although the study did not address the subject of lung cancer, Baker said other research has shown that quitting smoking reduces the chances of contracting lung

cancer, but it takes longer to reduce the risk.

"It is well documented that a smoker's chances of getting lung cancer are 10 or 20 times higher than those who do not smoke," He said, "and the longer you smoke, the longer it takes for the risk to subside."

Baker said that it takes six to 10 years for the risk of lung cancer to normalize in people who have smoked for more than 20 years. For those who have smoked less than 20 years, it is five years.

In addition to lung cancer, Baker pointed out that smokers are five to 10 times more likely to contract cancer of the mouth and voice box and two times more likely to contract cancer of the bladder. Baker explained that because the tars and toxic substances found in cigarette smoke are excreted through the urine, cancer of the bladder could occur.

Disabled need new placards

Interim Director Loyd H. Forrest of the Department of Motor Vehicles has expressed concern that many handicapped persons have not replaced their blue Disabled Person placards with the new white ones.

"DMV has done everything it could to tell the disabled that 'Blue placards are out, white placards are in,'" he says. "More than 330,000 disabled individuals in California have switched to the new placards authorized by the State Legislature. But we hear reports of many who haven't been reached by the message and are being ticketed for showing the obsolete placards in handicapped parking places."

Placards which DMV has been issuing to disabled persons since January 1977 were

once supposed to last as long as the disability; therefore, no permanent record of the placard holders was kept. When the State decided to issue new ones and cancel the old ones, there was no way to send notices to disabled people about this change.

Along with the placard, each applicant now gets a non-photo ID card; the holder's name and address are entered into a computerized master file. This will discourage the use of counterfeit placards by ineligible persons. That's why the new placard law was passed.

"Disabled persons are invited to call their nearest DMV office; A placard application will be mailed to them," Forrest said.

NAVFACEGCOM attorney at NWC

completion of his legal training in San Diego, he began his active military service as a Marine Corps JAG officer and still serves with a Marine Corps reserve unit at Camp Pendleton, California.

When he had completed his active service commitment with the Marine Corps, Chambers entered private practice with a civil litigation firm in Beverly Hills. That led to his becoming a corporate counsel for a fast food chain, before he decided to re-join government service.

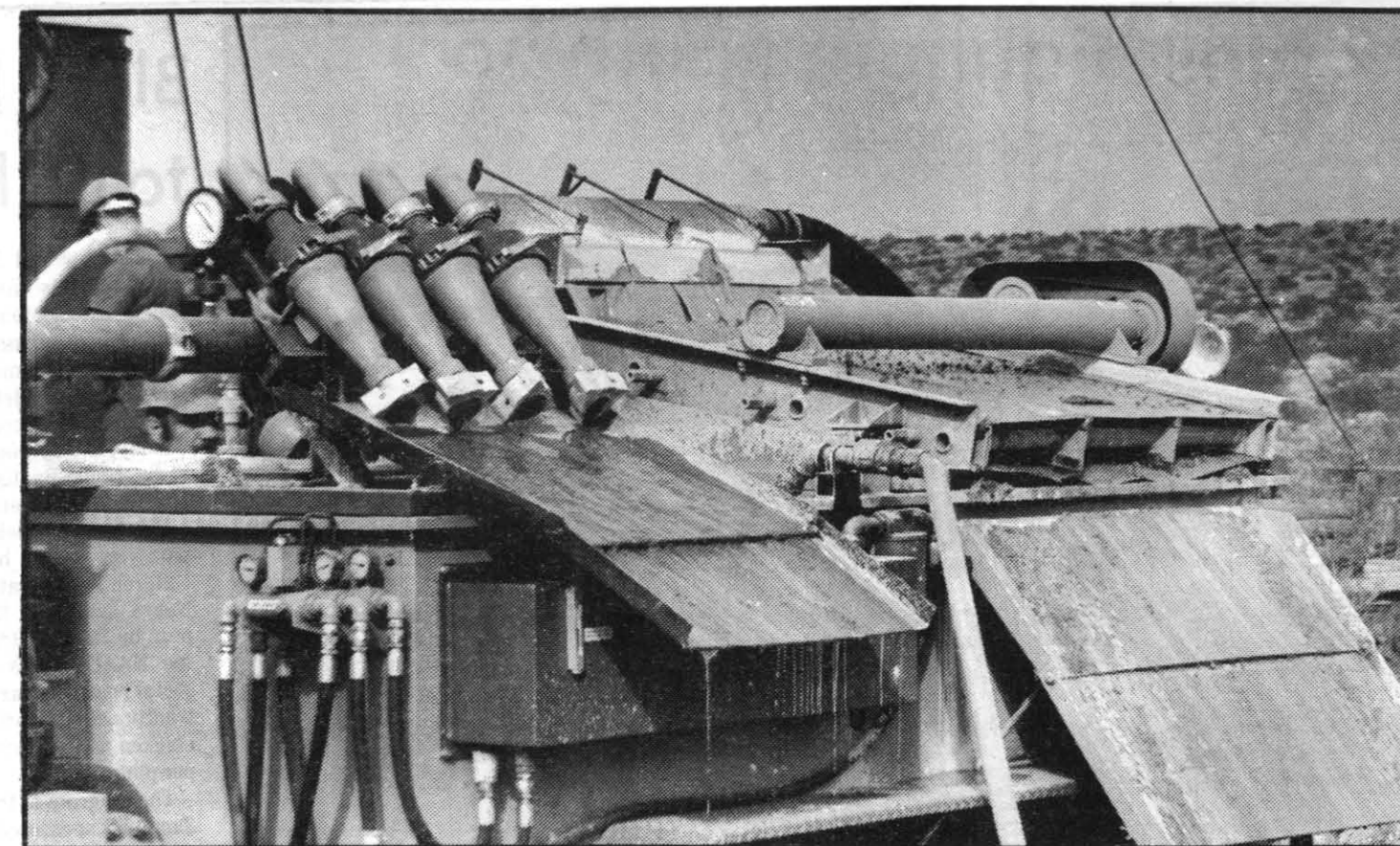
Chambers and his wife, Ana, are happy with the assignment to China Lake for

several reasons. First, because of the family atmosphere generated by fellow workers and genuine attitude of concern and helpfulness they exhibit. Secondly, because they feel it's a great place for children; and thirdly, it's close to what they both consider home, Los Angeles.

With respect to the children, living in a place with lots of fresh air and sunshine becomes very important when those children are tiny, as the Chambers' children are. Their household includes Joie, 3, Sarah, 2, and their brand new young son, Charles, who is less than two weeks old.



STAYING IN TOUCH — Charles Chambers, the first attorney for Western Division Naval Facilities Engineering Command to be stationed at China Lake, spends much of his time on the phone with contractors. — Photo by PHAA Bob Reynolds



MUDDER GOOSE — Seabees training in well drilling at the Naval Weapons Center were also given experience in using the Mudder Goose device which eliminates the need for digging large waste pits.

Well drillers go to school

Three instructors from the Construction Battalion Center at Port Hueneme have brought a training group to China Lake as part of the Seabee Naval Construction Training Center School on well drilling.

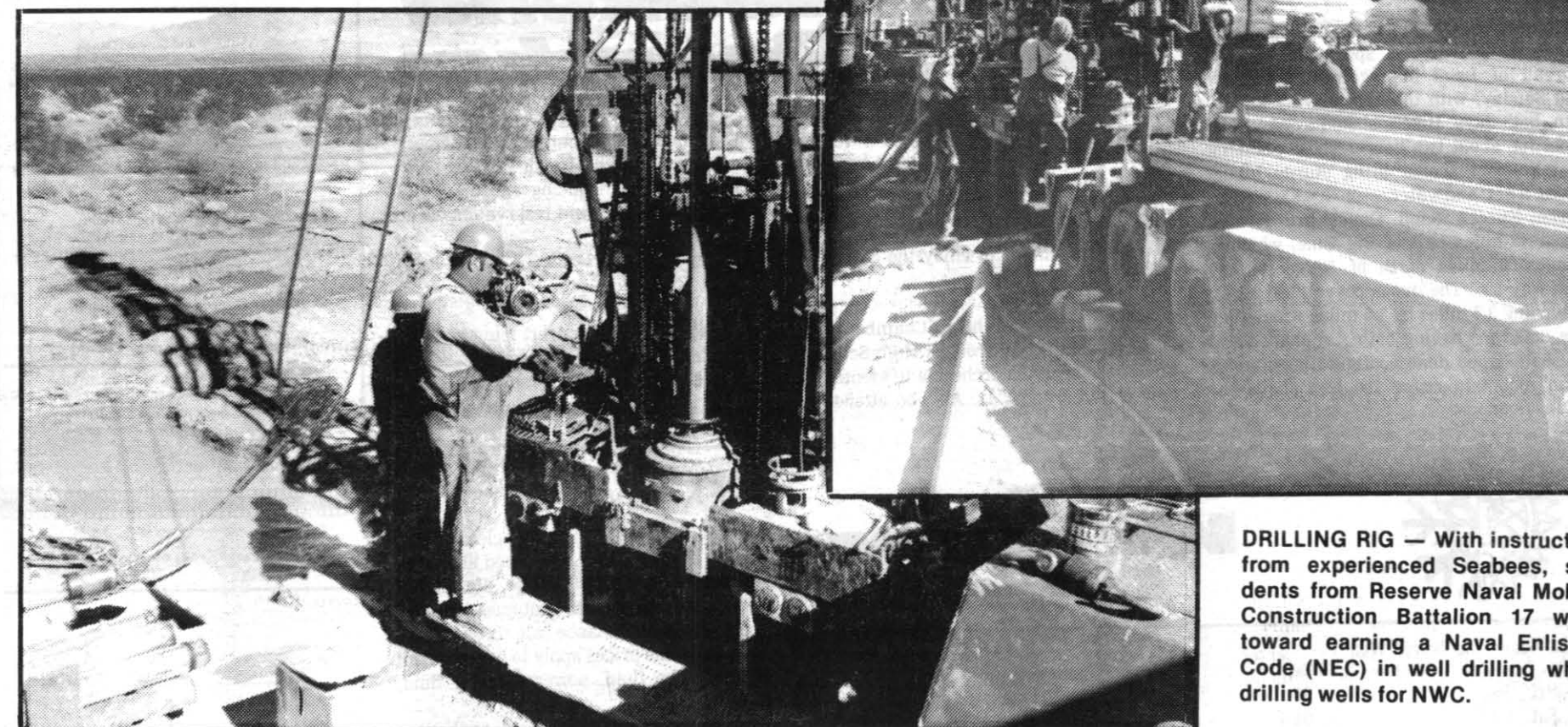
Nine Seabee trainees have worked on several wells during their visit this year. EOC D. J. Meints, EOC John Eckhart and EO1 Jim Womack have operated their crews on an around-the-clock basis at times with one instructor and three students per shift. This is the third time in recent years Seabees have brought well drilling classes to China Lake. Their last visit was during 1985.

Each Naval Mobile Construction Battalion is required to have a prescribed number of specialists in certain building and maintenance trade areas. Students who complete the well drilling class will qualify for an NEC (Navy Enlisted Code) in well drilling, thus helping keep battalion specialists at the desired level.

Four wells, two in the Randsburg Wash area and two more near Mirror Lake were drilled during this visit. Drill sites are selected in advance by the Naval Weapons Center and officials from the U.S. Geologic Survey.

As part of this visit, Seabees tried out a device known as the "Mudder Goose." This room-sized portable device can be used in drilling operations where it is impossible or not practical to dig the usual series of pits for waste water and mud from the hole.

Water is recycled with the "Mudder Goose" and sediment is separated for later disposal in one small pit that can be dug. The device is not in wide use at this time, but is expected to grow in popularity for use in environmentally sensitive drilling locations.



DRILLING RIG — With instruction from experienced Seabees, students from Reserve Naval Mobile Construction Battalion 17 work toward earning a Naval Enlisted Code (NEC) in well drilling while drilling wells for NWC.

WATER WELLS — Wells in the Randsburg Wash and Mirror Lake areas were drilled with assistance from Seabees from Port Hueneme. The crews worked in three shifts of one instructor and three students per shift during their stay in China Lake.

Photos by
Jerry Morrison

Nine games highlight youth hoop activities

Nine games were on tap last week in NWC Youth Basketball League, with action in all four divisions. Play in the league continues through the week of March 10.

Instructional Division Nets 30, Suns 20

Overcoming a first quarter deficit, the Nets used a strong second quarter and then blanked the Suns in the third period for the win. Jean-Paul Escallier totaled nine points in the win while Larry Reeder notched eight. Michael Frederick's nine points paced the Suns while Brian Beercoft added six points in the loss.

Bulls 30, Stars 16

Tony Haleman's 25 points boosted the Bulls to their easy win. They led by one point after one stanza, and trailed 11-8 at the half. Haleman's strong fourth quarter

gave the Bulls a 18-5 advantage for the period and the win. Carl James had six points in leading the Stars. David Davis and Louis Moore had five points each.

Intermediate Division Celtics 28, Spurs 22

The Celtics used a 12-point third quarter explosion to blow past the Spurs after trailing at the half by two points. Darrell Ed-dins hit 12 points to lead the winners while

Carter Jones added six points. Dwight Mason's 11 points keyed the Spurs attack as six players shared in the scoring.

Pistons 39, Rockets 22

Three players hit in double figures for the Pistons, Thomas Mather led the winners with 15 points while Thomas Haleman and Adam Plugge added 10 points each. Sean Gilbreath's 10 point effort was tops for the Rockets while Sean Struck added six

markers in the losing effort.

Huskies 36, Nuggets 32

Scott Hansen had 20 points for the Nuggets in a losing effort. The Huskies came from behind to capture the intermediate Division win. Patrick Rindt's 16 points paced the Huskies while Josh Moorehead added eight tallies for the winners.

Junior Division Hawks 41, Lakers 31

Sunk with a scoreless third quarter, the Lakers bowed to the Hawks. They had trailed by just one point at the half and then were blanked 11-0 in the third stanza. David Bartels led the winners with 19 points while Russel Lester added nine markers. Michael Strathdee's 13 points and a 10-point effort from Wade Patterson keyed the Laker's on offense.

Pacers 36, Jazz 26

James Bell with nine points and Todd Mather with eight led the scoring as the Pacers blew past the Jazz. Leading at all the quarter breaks, it was an easy Pacers win. Chris McLaury's nine points were high for the Jazz squad while Brad Bays added a seven-point effort.

Senior Division Bullets 60, Mavericks 22

The hot team for the week, the Bullets got 28 points from Chris Armstrong while Stacy Schoen added 14 markers and Tom Mean had 12 tallies for the easy winners. Richard Staples led the Mavericks with 11 points and Aaron Drybread notched five points in the loss.

Kings 53, Clippers 33

Kris Meraz led the winning Kings team with a 25-point performance. Kevin Sizemore assisted the winners with a 17-point game. The Kings never trailed in the easy win. Wade Boyak notched 19 points for the Clippers and Cecil Bank added six markers for the losing squad.

Track Club weekend run

Runners in the Indian Wells Valley area can take part in 10 kilometer and 5 kilometer runs on Saturday in the President's Run sponsored by the Over-The-Hill Track Club on board the Naval Weapons Center tomorrow morning at 9 a.m.

Both races will start from the NWC gym, following a mostly flat course over paved streets in base housing area. As an aid to pacing, each mile will be marked and split times given at the one-mile point.

Registration will be held tomorrow morning starting at 8 a.m. There is a \$5 entry fee for OTHTC members and \$7 for non-members. Awards will be given in each age group and in a special "over 180-pound" class. Also, each finisher will receive a commemorative t-shirt.

For more information on the President's Run call Tom Rindt at 375-9536 or Dave Rugg at 375-2191.

There is also a continuing need for volunteer soccer officials. Anyone interested in learning more about soccer and assisting experienced soccer officials can call the Youth Activities Branch for more information.

Buggy Bath has hot night

Buggy Bath bowlers maintained their second place standing in the Premier Bowling League and were the hot team this week, winning 12 of 20 games and taking team scoring honors. The Buggy Bath team notched a 741 team game and a 2,149 team series.

Jones' Mobile remains in first place with

Fishing slowing at Isabella

Thanks to the weather at Lake Isabella last weekend, not very many fish were caught. The majority of those taken were trout (or salmon), with a few yellow catfish and some strings of white and channel cats also being hauled in.

Department of Fish and Game personnel suggest that those who want to know if the fish caught are trout or salmon have one simple way of telling the two apart. All

that's necessary is to count the rays on the fin on the bottom of the fish. If there are 12 or less rays, the fish is a trout.

Umpires needed in Spring

Umpires for men's and women's softball leagues this spring and summer are needed. Anyone interested in learning more, call Jim Ledbetter at 446-6918 evenings or NWC ext. 3716.



The Skipper Sez...

QUESTION

The aircraft department has recently developed a policy that rental cars be used instead of privately owned vehicles (POV) anytime travel out of the area is required, such as the hospital down in Long Beach. I'd like to know if this policy is definitely enforced, and does it make sense to you to rent a vehicle for about \$40 a day, when POV cost so much less than that? Thank you.

ANSWER

I am aware that the Aircraft Department Head developed this policy. According to the joint travel regulations (JTR), a "directing official" (such as a department head) does have the authority to approve or disapprove modes of transportation for official travel as long as the reasons for such approval or disapproval are in accordance with the JTR. The logic in a case such as this one would be that it is cheaper to rent vehicles than to pay mileage on private cars. Sometimes this is true and sometimes it isn't. For example: You mentioned Long Beach. The government calculation of round trip mileage to Long Beach is 358 miles. We pay 20½ cents per mile to civilian personnel who use their own car. Consequently, the use of a privately owned vehicle with a mileage allowance would result in a cost to the government of \$73.39. In comparison, the government can presently point to rental car rates of \$28 a day for a compact car. This amount, plus a 6 percent tax, plus gasoline expenditures estimated at \$15 for a trip of this length would result in a total daily cost of \$44.68. Therefore, the rental car arrangement is cheaper than the privately owned vehicle.

Now let's consider a 5-day trip to Long Beach. The round trip travel cost is still the same. Suppose we assume 20 miles a day for official vicinity driving, that amounts to another \$20.50 for 5 days and a total of \$98.89. If we compare this with a rental car which rents for \$28 a day, we now have \$140 in rental charges, plus 6 percent tax. Let's tack on a \$30 estimate for gasoline and we wind up with a \$178.40 cost. Obviously, under these circumstances the rental car is significantly more expensive than the privately owned vehicle.

Consequently, the official approving the travel will normally consider such cost trade-offs. However, it also should be noted that the JTR allows travel by privately owned conveyances, but does not permit the directing official to require it. That is, you cannot be required to use your own car even if it might be cheaper to the government.

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

Training Center gets satellite dish

Students in computer science classes at the Training Center are now sharing a "classroom" with students at Cal State Chico, and at such companies as Hewlett-Packard, Bentley, Nevada and Texas Instruments.

All are benefitting from television technology — the class is being received live via satellite. Using standard telephone equipment and a dedicated phone line, Center students can interact live with the instructor, just as though they were physically in the classroom.

The class currently being taught, CSCI 152, Operating Systems Programming,

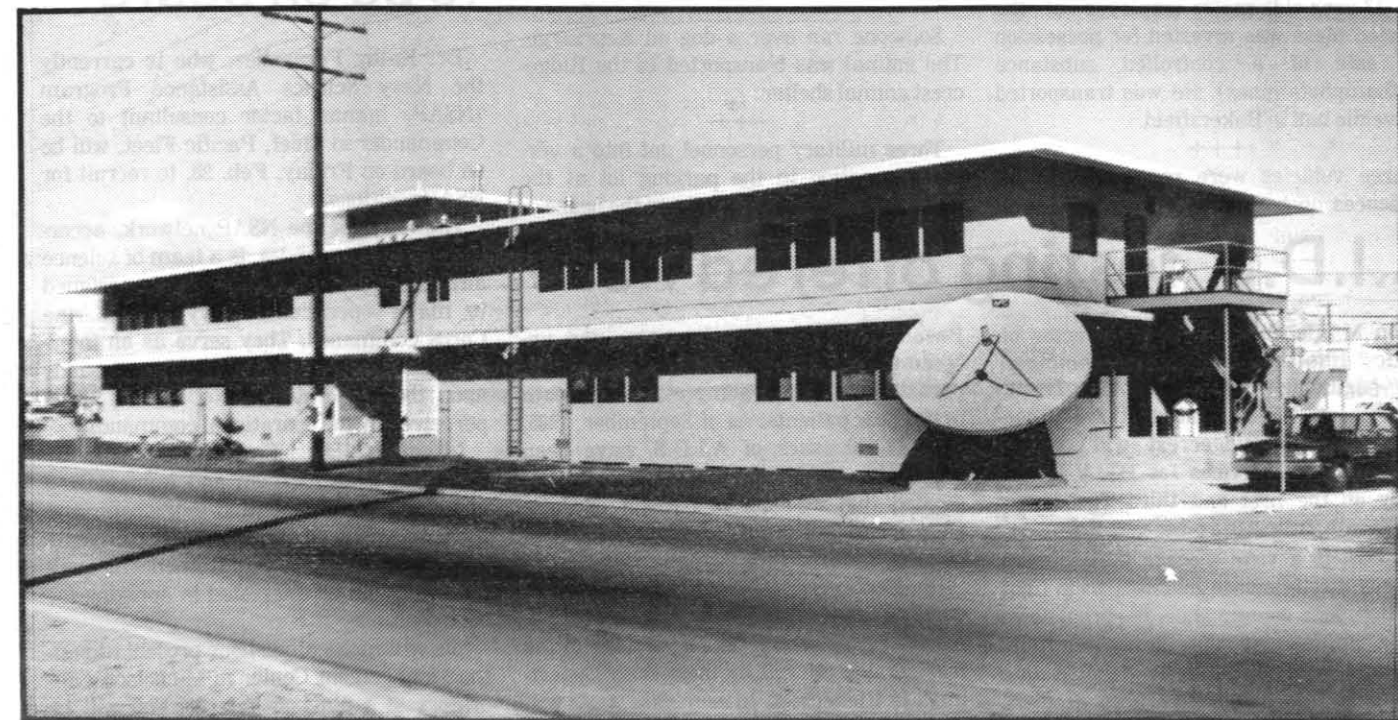
meets from 11 a.m. to 12:15 p.m. on Tuesdays and Thursdays. In addition to being able to ask questions of the instructor, Michelle Bailey, a computer scientist in the Missile Software Branch of the Weapons Department, serves as a teaching assistant for the course and is present to be of aid to students. Ms. Bailey received her master's degree in computer science through Cal State Chico's external degree program in August 1984.

The satellite downlink, consisting of a dish, feed, receiver, modulator, low-noise amplifier and converter, was installed by John Piri, Code 3951. This system will in-

crease class offerings at the Center by providing satellite-delivered education not only from Cal State Chico but also from other universities and training facilities.

An advantage to the new program (besides replacing intensive weekend classes with semester-long courses) is that each class is videotaped so class members who miss a session because of travel or for other reasons can arrange with Training Center personnel to view the class they missed.

Anyone who has any questions about such classes can get further information by telephoning either Steve Lee at NWC ext. 2468 or Cecil Webb, NWC ext. 2648.



NEW DISH — Part of the revamped NWC Training Center getting a great deal of use is the satellite dish

that connects students to Cal State Chico instructors and other students as part of a new program.



EMPF TOURS — Attendees at the 10th Annual Soldering/Manufacturing Seminar were given informal tours of the Naval Weapons Center's Electronics Manufacturing Productivity Facility (EMPF) as part of seminar activities. An estimated 700 persons took part in the seminar that ended yesterday (Thursday). — Photo by Leon G. Biesiadecki

Preparation for disaster vital for all personnel

More than 25,000 disasters of various sorts occur in the United States each year, says Jim Brown, a Fire Inspector with the China Lake Fire Division. These include fires, floods, transportation accidents (from chemical spills to such events as the crash of an airliner in a city neighborhood), and earthquakes.

While some types of disasters such as tidal waves are not apt to happen in the local area, many other kinds can — and preparing for any kind of disaster will help a family survive other kinds of disaster as well. In addition, Brown points out, all local experts agree on one prediction: the Indian Wells Valley will experience a major earthquake.

Dick Millis, Disaster Preparedness and

Crisis Management Officer for NWC, emphasizes that not only will such a quake occur, but it could come at any time. So far there's no accurate way to predict just when a quake will strike.

The Center, he says, has developed a multihazard plan, has established an emergency operations center, and is developing communications for all departments. What is essential for all personnel, however, Millis adds, is that each family develop its own personal plans.

"Survey your work area," he says. "Are you in a job whereby you are not going to be able to go home to your family if a disaster occurs?" He adds that many jobs besides fire or police work will require those at work when a disaster happens to stay on duty; those who are in such jobs must ensure their families can handle the crisis.

People will have to change their way of thinking, he notes, because roads will be closed, electricity and other utilities are apt to be shut off, and telephones are apt not to be working.

Millis says that expecting help from outside areas may be unrealistic. "When the big quake shakes the San Andreas fault," he notes, "the area of biggest need is going to be the eight million people in the Los Angeles basin, and there won't be much thought given to a remote area like this."

Everyone should have supplies for up to two weeks on hand, such as food that doesn't need either refrigeration or cooking, and water for themselves, their pets and their stock. Learning first aid is also a good idea, he notes, because most people will have to take care of themselves and their families.

"Be sure," Millis says, "to have a gathering place for family members, and also to have a point of contact that lives elsewhere through whom family members that are separated from each other can get in touch."

"We live in a very fragile system in the Indian Wells Valley. The Center can't take care of the individual — it can neither afford to nor is it legally permitted to — so each family must assume its own responsibility for disaster preparation."

Millis and Brown are available to speak to any community group, organization or school about disaster preparedness. They can be reached at NWC ext. 2745.

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)

DEFENSE — Courtney Canterbury (13) of the Spurs tries some tough defense against Damon Kelling (10) of the Celtics in Intermediate Division play on Saturday. The Celtics edged the Spurs 28-22 in this Youth Basketball League clash. Play in the league will continue through March 10. — Photo by PHAA Bob

Soccer registration deadline set

Today is the deadline to register for the Spring Youth Soccer League at the Naval Weapons Center. Registration is being accepted at the Information, Ticket and Tour Office until 5 p.m.

All players who did not take part in the fall 1985 season must attend an evaluation session to be properly placed according to skill level in the league. Evaluations will be held at Schoeffel Field on Tuesday, Feb. 25 at 5 p.m. for first through third grade students, and on Wed., Feb. 26 at 5 p.m. for fourth through sixth graders. Also seventh through ninth grade players should attend

an evaluation session at 9 a.m. on Saturday, March 1. Youngsters unable to attend the proper evening session can go to the Saturday morning evaluation.

Participants must be enrolled in the NWC Youth Sports Program to take part in the league. There is a \$2.50 per player fee in addition to the Youth Sports fee and uniform shirts are available for players who need them at \$8.50 each.

For additional information on the Youth Soccer League, call the Youth Activities Branch of the Recreational Services Department at NWC ext. 2010.

Little League trials continue

Tryouts for the 1986 China Lake Little League continue tomorrow at Diamond Four on board the Naval Weapons Center and at Inyokern School's baseball diamond, starting at 9 a.m.

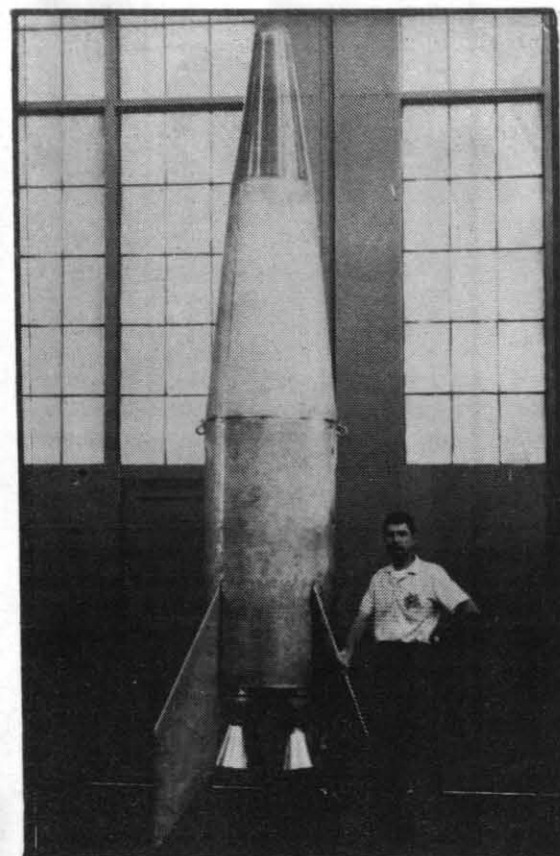
Youngsters interested in playing Little League this season who did not play in the major division last season must take part in tryouts for skills assessments and placement. A birth certificate is needed by all players when they register.

A final session of tryouts is set for Saturday, March 1. Players unable to attend previous sessions can show up on March 1, at 9 a.m. at NWC and 1 p.m. at Inyokern.

There is also a need for volunteer coaches, managers and umpire for Little League this season.

For additional information on China Lake Little League's 1986 season call M. Moore at 446-2914 after 6 p.m.

Sports



NOTS attempts satellite launches

In an attempt to get the United States Navy into space quickly following the launch of Russia's SPUTNIK in 1956, Dr. Howard Wilcox, a former Naval Ordnance Test Station department head then working in Washington, proposed the building of an air-launched satellite to be designed and built at China Lake. Project Pilot was approved by the Navy; locally it was better known as NOTSNIK.

A tight time constraint was laid on the program, with only six months allowed to build and test six systems. (In the latter days before the firings in July and August 1958, many China Lake personnel were working 90-hour weeks, and some even achieved 90 hours of overtime after their regular 40-hour weeks, which left very little time to eat or sleep.)

Providing initial thrust for the launch was a Douglas F4D-1 Skyraider, a specially built aircraft lighter than fleet models that was used for altitude records and other special flight. The aircraft (and its two project pilots) lofted the

2,150-pound payload. Providing stage one and two of the Pilot system were packages of HOTROC motors (ASROC motors with thinner cases), and the third stage was an Alleghany Ballistics Laboratory solid rocket fired by a horizon-sensing telescope (the other stages were electronically fired). The fourth stage propulsion was provided by an 8-inch spherical motor, followed by a final, fifth stage firing of a 3 1/2-inch spherical motor to put a payload of from two-to-two-and-a-quarter pounds into orbit.

Advantage of the initial air launch was that either polar or equatorial orbits could be achieved. A small launch window was set for tests that took place over the Pacific Missile Test Range, Point Mugu. Although Tests 2, 4, 5, and 6 were clearly failures, the results were not that clearcut for the first and third test. Disagreement exists whether some strange sounds heard from space following those launches could have been from the instrumented payload.



75 Years of Naval Aviation



China Lake Police Reports

Cars did not fare well on Thursday last week. One collision occurred at the intersection of Cobra and Blandy when someone ran over a barricade construction sign. On the Garlock Road, someone going on travel hit loose gravel and damaged the vehicle. In the afternoon one driver at the intersection of Richmond and East Inyokern Road fail to yield the right of way after stopping and hit a second vehicle, resulting in moderate damage to both. And, finally, that evening the Fire Division responded to a vehicle fire determined to have been caused by a rag left in the engine compartment of a pickup truck.

Someone drove through the CLPP gate at about 11:15 one evening; the gate was locked at 6 p.m. Property damage resulted.

On Friday unknown persons removed stop lights from a government vehicle in the south parking lot at the Public Works area.

A traveler reported that he had been involved in an accident in West Los Angeles.

When a customer left a wallet in the package store, personnel at the store contacted the parents of the owner of the wallet. The individual returned and picked it up.

At 11 p.m. Friday an accident occurred when a driver rolled a vehicle at Gold Canyon Road east of Pierce School. Passengers and passerby righted the vehicle; fortunately, no injuries occurred.

Vandals broke a window at the BEQ.

In a family dispute on Hayward, the husband voluntarily left the house for the night when police intervened to keep the peace between the military man and his dependent spouse.

A non-injury accident occurred when someone was backing out of a driveway on Stroop Circle just as someone else was driving into the drive.

A resident on Hubbard Circle reported Sunday that a rock was thrown through a sliding glass door.

Aggravated assault resulted in corporal injury to the spouse of a military man on Ashworth Circle. The wife was severely

battered by the husband. She was transported to Antelope Valley Medical Center for a CATSCAN, then was admitted to Ridgecrest Community Hospital with a concussion. The husband was transferred to restricted barracks.

Three victims of fraud reported to police that they had held "After Six" parties at their homes, had placed orders, and had never received the merchandise that had been ordered. Police ran a check on the suspect who had called herself a contact for the "After Six" company and discovered that she had outstanding warrants from other counties for the same type of fraud.

An accident occurred in the CLPP area when someone did not get the brakes adequately set on a government vehicle, which then rolled out of a parking space and hit another vehicle. Minor damage resulted to both.

Personnel at X-pad reported that someone took the wheels from an oxygen tank cart.

China Lake police stood by at a residence on Ticonderoga while a private investigator served civil papers on a resident.

A 17-year-old male employee of the Enlisted Mess was arrested for possession and sale of a controlled substance (methamphetamines). He was transported to juvenile hall in Bakersfield.

Three vehicles were repossessed from residences on board; two were from vehicle.

A.I.D.S. testing offered here

Leon M. Hebertson, M. D., Director of Public Health Services, announced that beginning October 1, the Health Department Clinic, located at 250 Ridgecrest Blvd. in Ridgecrest will provide clinical testing services for HTLV-III antibody on the first and third Tuesday of each month, from 2 to 5 p.m.

A.I.D.S. is a viral disease that impairs the body's self-defense mechanism to fight infection. As a consequence, the breakdown in the immune system allows normally mild and rare illnesses to develop into potentially fatal conditions. Two of these diseases, Kaposi's Sarcoma (a rare form of cancer of the blood vessel walls) and

cles on Hayward Circle and one from Vieweg Circle.

An abandoned bicycle was found in the parking lot south of the bank on Richmond Road; the owner came to claim it at the station the next day.

Two subjects were arrested for investigation of burglary. One was found to have several outstanding warrants and was held, the other was released after the investigation.

While an officer was taking a report of two stolen bikes from a resident on Midway, another officer reported that he had located two bikes. The bikes and their owner were reunited.

A briefcase was found under the staircase at Hangar 3 on Monday. EOD was called to check that the briefcase did not contain explosives. When it was found to be full of papers, the owner was located and claimed his case.

Unknown persons broke the windshield on a car parked near the intersection of Burroughs and Withington.

Someone ran over a dog on Kearsarge. The animal was transported to the Ridgecrest animal shelter.

Three military personnel got into a verbal altercation in the parking lot at the BEQ; police were called to keep the peace.

NSAP recruiter to be on board

Dr. Kathy Fernandes, who is currently the Navy Science Assistance Program (NSAP) human factor consultant to the Commander in Chief, Pacific Fleet, will be on board on Friday, Feb. 28, to recruit for NSAP positions.

The heart of the NSAP network, according to Dr. Fernandes, is a team of science advisors and consultants who are assigned to major operational Navy and Marine Corps commands. They serve as an interface between the operational commands and the laboratories to meet needs perceived by the operational commands.

Groups join to offer classes

In honor of Women's History Week, March 2 through 8, the Federal Women's Program at NWC, Cerro Coso Community College and the Training Center will sponsor a series of training classes that feature outstanding instructors. Both men and women are encouraged to sign up for these classes, says Cheryl Hemmings, Federal Women's Program manager, and college credit will be offered by Cerro Coso Community College for attendance.

Madeline Silva, who has previously taught on Center workshops, will offer two workshops on March 20. The two, "Take Charge of Your Life," and "Your Language Is Showing," are each 3.5 hours long and will both be held on March 20. Deadline for signing up is March 6.

"Women as Leaders in the Workplace," a class offered March 24 through 26, will be taught by Mary Ann Drops. Deadline for this class is March 5.

The deadline has already passed for "The Professional Woman Manager," which will be taught by Rusty Broughton on March 4 and 5.

Ms. Hemmings says that the EEO staff believes offering such an outstanding group of classes is the best way of celebrating the role of women in the workplace.

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Although Dr. Fernandes will be recruiting both for men and women DP-3 and DP-4 scientists and engineers and human factors engineers, she is primarily interested in talking with women who qualify and would be interested in applying for such positions.

She will make a one-hour presentation in the Management Center in Michelson Laboratory at 1 p.m. on Feb. 28, and will be available to answer questions about the NSAP program.

Chief Allington earns Navy Achievement Medal

Chief Fire Control Technician Arthur Allington, United States Naval Reserve was recently awarded the Navy Achievement Medal for his unique contribution to the training readiness of Naval Reserve Weapons Center Support Unit 0176 during 1985.

He was recognized for exceptional performance in developing and implementing a new mobilization plan, containing requirements essential to the Navy's commitment to readiness of selected reservists. Chief Allington dedicated considerable time and energy to setting his ideas in motion. The citation from Rear Admiral T.F.

Rinard, Commander, Naval Air Reserve Force, reads, in part, "Chief Allington's exceptional professional ability, initiative and loyal dedication to duty reflect great credit upon himself, and were in keeping with the highest traditions of the United States Naval Service."



Military News

Seabee Ball scheduled on March 1

(Continued from Page 1)

Pearl Harbor. 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 Engineering Corps officers, provided the Navy with a desperately needed construction capability in support of the forces afloat and ashore.

Since then, the Seabees have distinguished themselves in combat construction from the jungles of Guadalcanal to the rice pad-

dies of Vietnam.

In peacetime, the Seabees and their parent command, Naval Facilities Command, formed a team dedicated to providing and maintaining naval shore facilities throughout the world.

Battalion 17 was first established at Camp Allen, Norfolk, Va. and went into combat with the invasion of North Africa in late 1942. After being moved to Port Hueneme in 1944, the battalion joined other Seabee outfits and arrived in Saipan late that year to begin construction of a naval

base. In 1945 the battalion moved to Okinawa and remained there until formally inactivated on Nov. 6, 1945.

In 1962 it came back to life as Reserve Naval Mobile Construction Battalion 17 home ported at Port Hueneme. It is now more than 500 persons strong with 10 detachments in the southwestern U.S. At China Lake, Chief Carl Nyholm is the current officer-in-charge of the detachment.

The March 1 Seabee Ball begins with a social hour at 6 p.m. followed by dinner at 7 p.m.

firemen in firefighting and related crash and rescue tactics. He also volunteers his free time with the Kern County Sheriff's Swift Water Rescue Division. Chief Allington resides with his wife Martha in the town of Lake Isabella, California.



Chief Allington

Clinic hours established

Naval Weapons Center receives medical support through the Naval Hospital, Long Beach Branch Medical Clinic here at the Center. Staffed by a Flight Surgeon, two general practice physicians, and two Physician Assistants, the clinic is charged with providing primary medical care, aviation and occupational medical services, and referral services to active duty members and to those civilian personnel who are eligible for care in the clinic. The clinic may also provide care for dependents and retirees to the extent that it does not impact negatively on Active Duty care and the Occupational Health Program.

ACUTE CARE CLINIC
(formerly the Emergency Room)
Staffed 24 hours a day by a duty crew with a physician on call to care for serious medical problems that must be seen immediately. Patients with non-urgent problems are expected to use routine sick call.

WEEKEND TREATMENT PERIODS
SATURDAY - SUNDAY 10 a.m. & 7 p.m.
Two treatment periods are held each weekend to care for those patients requiring dressing changes, wound care, etc. If an acute problem develops that cannot wait until Monday, the patient should come to a treatment period if possible. Due to the limited staffing after hours and on weekends routine problems can better be cared for during normal operating hours as listed above.

For further information call 939-2911.

Branch Clinic Policy for protection of children

The Branch Medical Clinic policy stating that children without appointments cannot be allowed in the clinic is for the protection of those children. Their being in the clinic exposes them unnecessarily to patients who may be suffering from contagious conditions.

In addition, the clinic staff cannot be expected to care for unattended children while their parents are seen or are with other children who have appointments. Please help the clinic staff do their jobs by cooperating with this policy.

CPO Military Ball Saturday

The Chief Petty Officers' Mess is holding its 31st annual Military Ball this Saturday. Cocktails will be served at 5:30 p.m. with a prime rib dinner being served at 7. Capt. Harry Parode, USN (Retired), will be the guest speaker and the variety band

"Pacific Star" will provide entertainment beginning at 9 p.m. Dress requirements will require formal attire (service dress blues or better for active CPOs), and reservations are required. Tickets may be purchased at the CPO Mess Office for \$15

Pro wrestlers set visit

Professional wrestling is coming to the Naval Weapons Center tomorrow night at the NWC gym. Sponsored by the Recreational Services Department's Sports Branch, the exhibition starts at 7:30 p.m.

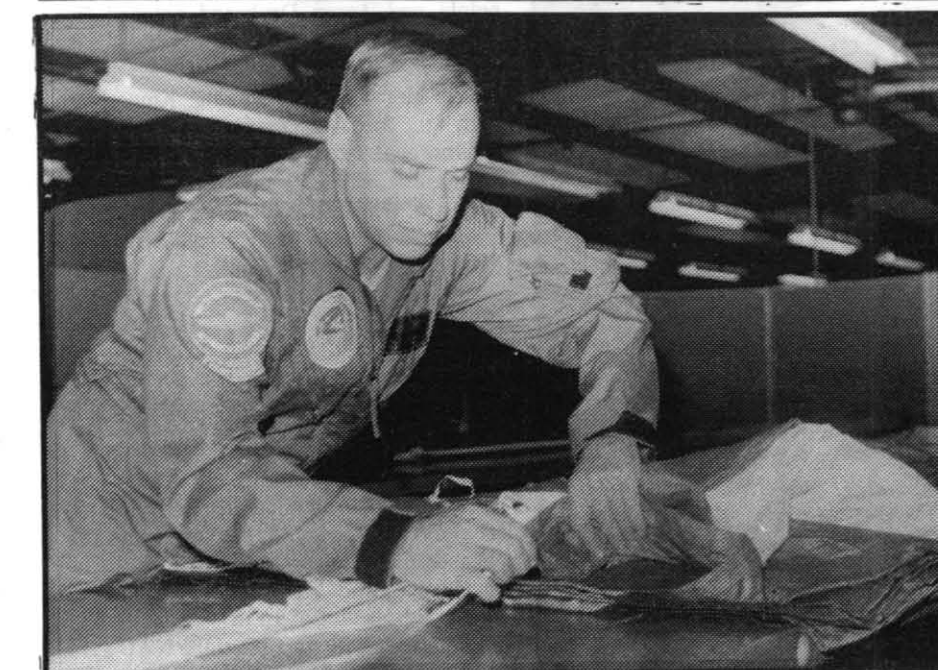
Tickets are on sale at \$7 per person for ringside seats and \$5 per person for general admission. Seating capacity for the gym is estimated at 700 persons.

The show will include midgets, women, tag teams and championship class wrestling.

The ring will be elevated about four feet off the gym floor to provide good spectator viewing. Southeast Wrestling Promotions in Tucson, Ariz. puts on the show, said Craig Ulrich, head, Sports Branch.

This exhibition was delayed from mid-January so the promoters could field a better team of wrestlers for NWC spectators.

For additional information call the sports branch office at NWC ext. 2334.



PARACHUTE WORK — PR1 Harvey Hartman, NWC Sailor of the Quarter for the third quarter of 1985, is one of four sailors competing for NWC Sailor of the Year honors when the Navy League of the Indian Wells Valley hosts Bluejacket of the Year competition on March 8 at the Center's Enlisted Mess.



BAT'S MESS — MS2 Peter Vandewalle was VX-5's Sailor of the Quarter for the second quarter of 1985. He manages the Bat's Mess in addition to other duties. He is one of VX-5's sailors to be feted at the March 8 banquet.

— Photo by PH3 Greg Hogan

NEW VIDEO

STEPPING UP TO SUPERVISOR (3/4-inch UMATIC)

"Stepping up to Supervisor" deals with the issues new supervisors face as they assume different roles and functions. These issues include establishing authority over the work unit without over-controlling, giving orders to former co-workers, and obtaining the cooperation of peers. By following two new supervisors as they make this transition, new supervisors are alerted to mistakes commonly made during the early phases of a management career and offers strategies for avoiding these common pitfalls.

This 20-minute video is available for loan through the Audio Visual Library, Code 34501, ext. 1104. (Code 094)

MANAGERIAL SKILLS FOR NEW AND PROSPECTIVE MANAGERS

Continuous open enrollment, Learning Center.

Scope: This self-study course teaches new and prospective supervisors management skills and techniques necessary to function as a supervisor. Topics include your new role as manager, management styles, planning and organizing, control, delegation, decision making, managing time, understanding your subordinates, the innovative manager, how to write and read effectively, and conversational skills.

SPECIAL SESSION FOR SECNAVINST 5216.5C

6 March, 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. It will be open to technical writers, secretaries, and other clerical personnel, and will be conducted on a drop-in basis with no paperwork required.

Deadline: None. (Code 094)

CAL-STATE CHICO COURSE

The following class is being offered this spring as part of the Cal-State Chico computer science external-degree program at NWC.

CSCI 376 THEORY OF INFORMATION RETRIEVAL (3 units)

19-20 April; 17-18 May; and 21-22 June; Saturday and Sunday, 0800-1600; Training Center. By: Professor George Arnovick.

Prerequisite: CSCI 172, Systems Architecture, or consent of instructor.

Scope: This course is a graduate seminar on the theory of information retrieval systems. The major problems of modern information storage and retrieval systems are presented and discussed. Various theoretical, as well as selected applied approaches, will be studied and likely solutions will be presented and analyzed.

Text: *Modern Information Retrieval Systems*. Gerald Salton, McGraw-Hill.

Note: This is a required class for the Master's Program in software engineering. For more information call Steve Lee, ext. 2468.

CAL-STATE UNIVERSITY CHICO ADVISOR TO BE AT NWC

Dr. Orlando Madrigal of Cal-State University Chico will be at NWC on 7 March to advise current and prospective students in the external degree programs offered by the school. Cal-State Chico has external-degree programs in computer science at NWC that lead to bachelor's and master's degrees. To make an appointment to see Dr. Madrigal call Kelly Newton, ext. 2648. (Code 094)

NCPG-SPONSORED LONG-TERM TRAINING PROGRAMS

Applications are being accepted for the Naval Civilian Personnel Command (NCPG)-sponsored long-term training programs. Long-term training comprises off-Center training that extends beyond 120 consecutive days. Funding for these programs may be available from NCPG to cover tuition (when required), travel, per diem, and shipment of household goods. The employee's salary is paid by NWC. All candidates must be full-time, permanent employees possessing a bachelor's degree. (The fellowship for federal secretaries does not require a degree.) The following is a brief description of the programs available; for more information, contact Nancy Saxton or Carol Corlett, Code 094, ext. 2349. The deadline for applying

to any of the programs is 3 March 1986.

FELLOWSHIP FOR FEDERAL SECRETARIES—CONGRESSIONAL CAUCUS FOR WOMEN'S ISSUES

Location: Washington, D.C.

Duration: 1 year.

This program is designed for secretarial personnel whose current or prospective position may require a working knowledge of the operations of Congress. The Congressional Fellow will participate in the compilation and synthesis of legislative bills, reports, and all other data and studies for inclusion in the Caucus bulletin, as well as participate in the day-to-day operations of the Caucus.

Qualifications: Nominees should be able to communicate orally and in writing, work with others in the office and with external organizations, adapt readily to changing deadlines and priorities, work independently, and maintain confidentiality of work and information. Nominees should be in a secretarial position or a position with secretarial-type responsibilities at the GS-7 through GS-9 level.

THE LEGIS FELLOWS PROGRAM

Location: Washington, D.C.

Duration: 5-6 months.

This program provides a developmental assignment for personnel whose current or prospective positions may require a working knowledge of the operations of Congress. The program combines classroom training with hands-on experience with the staff of a member or committee of Congress. The training will include a briefing session on the operations and organizational structure of Congress, an assignment with a member or committee staff of approximately 4 months, and biweekly meetings during the work assignment on Capitol Hill. For some agency personnel (e.g., SES candidates), the program will provide training essential to their executive development plans.

Qualifications: Nominees must be at the DP-3 level (GS-13 equivalent) or above and have at least 2 years of federal service in the executive branch. Other qualifications include a demonstrated flexibility in work habits; the ability to work in an unstructured environment; the ability to initiate work and to work independently with minimum supervision, direction, or assistance; and an interest in legislating procedures, practices, and techniques. Preferred nominees are SES members, SES candidates, and other personnel designated for executive development.

CONGRESSIONAL FELLOWSHIP PROGRAM

Location: Washington, D.C.

Duration: 9 months.

This program involves students in a variety of assignments that will develop their knowledge and understanding of congressional operations. These assignments are full-time positions in offices of members of Congress and staff members of congressional committees. Also included are weekly seminar meetings with leading congressional, governmental, and academic figures.

Qualifications: Nominees should have at least 2 years of federal service in grades GS-13 through GS-16 (or equivalent). Nominees should be in managerial or executive positions, or have demonstrated potential for high-level management responsibility, and must be willing to work in an unstructured environment with irregular hours of work.

ARMED FORCES STAFF COLLEGE

Location: Norfolk, Virginia.

Duration: 6 months.

The course content is extremely broad in nature, focusing on the problems and implications involved in economic, political, technological, administrative, and military planning.

Qualifications: Those nominated should be grade GS-12 (or equivalent) or above. Nominees must have demonstrated a potential for higher level responsibilities within the Department of the Navy, a capacity to adjust readily to a variety of substantial fields, and a capacity to master complex subject matter quickly. Nominees must have a TOP SECRET security clearance. (Code 094)

CSUN seeks instructor

Cal-State University Northridge is looking for an instructor to teach Engineering Dynamics this summer. Minimum academic background is a master's degree. Anyone interested should send a resume to Steve Lee, Code 094, or call NWC ext. 2468.



Promotional Opportunities

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

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

No. 08-014, Payroll Technician, GS-544-5/6, Code 0853 — This position is located in the Payroll Office, Accounting Division. The incumbent's responsibilities will include, in addition to the duties performed by journeyman payroll clerks, the responsibility for the accuracy of the computation of all non-standard actions for their respective sections; the preparation of Payroll and Labor reports, expertise on payroll procedures for special groups, determining and computing of retirement pay and training new or rotating payroll clerks. **Knowledge:** of computerized payroll systems; of an ability to interpret Federal payroll and leave regulations; of leave and labor accounting. **Abilities:** to work well with others. Promotion potential to GS-6.

No. 12-003, Intelligence Operations Specialist, Intelligence Research Specialist, DS-132-2/3, Code 1211 — This position is the Assistant Scientific and Technical Intelligence Liaison Officer (STILO) in the Weapons Planning Group. As the principal assistant to the Center's STILO, the incumbent will be delegated responsibility for intelligence support to Center programs, and will help provide and interface between the Center and the intelligence community. The Assistant STILO acts to document and prosecute the Center intelligence requirements, disseminate information through briefings and bulletins, and assist the STILO in coordination of Foreign Material Exploitation projects. **Job Relevant Criteria:** The Assistant STILO must possess or be able to acquire a broad knowledge and understanding of on-going and planned programs at the Naval Weapons Center. It is desirable that the Assistant STILO have a background of technical development and/or analysis experience to facilitate the interface with intelligence users on matters of requirements and data requests. Prior experience in intelligence production or intelligence analysis is desirable. The incumbent must be capable of working under pressure of tight deadlines for production of information while prosecuting a variety of other tasks. The Assistant STILO must be able to work well with a variety of people - many at higher level - particularly in terms of eliciting cooperation on a first-meeting basis. Ability to give oral presentations is required. The incumbent must be able to qualify for special intelligence security clearances in order to carry out the responsibilities of this position. Promotion potential to DP-3.

No. 22-8606, Child Caregiver, PS-0189-2/3, \$4.23/\$4.58 per hour, Permanent Part-Time/Intermittent Scheduled, Code 2227 (Multiple Vacancies) — Incumbent directs children during play time indoors, outdoors, and on field trips as part of the staff of the "Moving On Up" Before and After School Program. Supervises children during eating time; helps children with bathroom duties. Aids in preparation and clean up of art and craft materials and assist in preparing snacks. **Qualification Requirements:** Must understand fire safety procedures and be familiar with first aid, frequently lift trays of food and dishes, etc. in serving or in clearing tables. Must be able to stand and walk constantly. Must have a desire to work with children grades 1-6. This is a great opportunity for someone who enjoys working with children in a very open environment. Hours are flexible! This is not a civil service position.

No. 25-002, Procurement Clerk, GS-1106-4/5, Code 25251 — Incumbent is responsible for providing clerical support in the form of typing (utilizing Xerox 860 word processors), filing, compiling data, maintaining logs, and performing follow-up on action item suspense dates for a wide variety of contractual actions. Incumbent main-

tains instructions and DAR Clause Books, reviews correspondence and suspense action items, and receives visitors and telephone calls. Uses a wide variety of guidelines including DOD and Navy instructions, Contract Division Operating Procedures on Defense Acquisitions Regulations and Clause Books. **Knowledge:** of correspondence regulations, and contractual terminology. **Abilities:** to meet with people effectively and prioritize work under heavy workload condition. Promotion potential to GS-7, however, not guaranteed.

No. 25-003, Clerk Typist, GS-322-3/4, Code 25251 — Incumbent is responsible for providing clerical support in the form of typing (utilizing a Xerox 860), filing, compiling data, maintaining logs, and performing follow-up on action items of wide variety. Position requires frequent personal and telephone contacts with individuals at all levels of Navy and DOD Contractors; receiving and directing visitors and phone calls and answering routine questions. Incumbent works with a wide variety of guidelines including DOD, Navy, NAVWPNCEN Instructions, and Contract Division Operating Procedures. Screening all incoming correspondence and often drafting routine responses. **Knowledge:** of Navy Correspondence Procedures. **Abilities:** to operate word processing equipment.

No. 25-004, Contract Specialist, DA-1102-1, Code 25251 (Multiple Vacancies) — Incumbent, under close supervision of senior Contract Specialist, provided with progressively responsible experience in analyzing packages, negotiating with contractors, awarding and administering wide variety of contract actions. Experience gained in all facets of Government R & D Contracting. **Knowledge:** of business practices. **Abilities:** to meet and deal effectively with people; to analyze facts, alternatives and problems and make decisions based on this analysis; to speak and write effectively; to prioritize and process in an orderly manner multiple tasks simultaneously. Promotion potential to DP-3.

No. 26-006, Engineering Technician, DT-802-A/1, Code 2694 — Responsible for the planning, design, layout and maintenance of real property (buildings, structures, utility systems, and associated plant and technical equipment). **Elements: Abilities:** to plan, layout and follow through on work assignments; to prepare engineering drawings; to perform field measurements and interpret varying site conditions. Promotion potential to DP-2.

No. 26-007, Production Facilities Clerk, GS-303-4, Code 2611 — Responsible for reception, maintenance and control of all work requests generated on the Center, and for initial data entry and maintenance work request information in the on-line Public Works computer system. Maintains work request Master File; assists in the training of employees in the use of a remote terminal and develops special reports for customers as requested. **Job Elements:** Knowledge of the Public Works maintenance function, of the P.W. work request processing system. Ability to deal effectively with others, and to operate data processing equipment sufficient to perform data entry. Promotion potential to GS-5.

No. 31-114, Computer Specialist, DS-334-1/2/3 — This position is in the Software Engineering Environments Branch (Code 3115). Avionic Facilities Division, Aircraft Weapons Integration Department. Incumbent will assist in the design, development, analysis, installation and management of computer-based hardware/software systems. Incumbent's duties will be in support of a large VAX cluster facility. The implemented systems are used as aides for the development of aircraft embedded operational flight programs and software and hardware tools development. **Elements:** Skill in the use of computer system

editors and command language; knowledge of ADPE facility operational procedures; ability to act as the technical coordinator for systems support contracts; ability to research requirements and prepare procurement documents for required system hardware and software; knowledge of NWC ADPE security, control, and procurement approval requirements. Promotion potential is to DS-3, but is not guaranteed.

No. 35-021, Electronics Technician, DT-856-1/2/3, Code 3545 (Multiple Vacancies) — Incumbent will be responsible for the fabrication and testing of microwave and/or analog, and digital circuit assemblies as used in high power radar systems. **Knowledge:** Electronic instruments (oscilloscopes, transistor tester, pulse generator, etc.); of analog, digital and/or microwave circuit assembly and fabrication techniques; of radar transmitter circuits (high voltage, RF power, safety). **Abilities:** to read, understand, prepare and work from schematics, wire lists and/or engineer design data; to communicate well both in writing and orally. Selective Factor: Must have obtained a WS-6536D Category G Soldering Certificate. Promotion Potential: DT-3.

No. 35-022, Clerk-Typist, GS-322-3/4, Code 3502 — Position provides clerical and typing support to the Department Staff, primarily in the areas of facilities planning and personnel. **Knowledge:** of correspondence and filing procedures. **Abilities:** to work effectively with other people; to work effectively in several subject matter areas at one time and to prioritize work; to operate word processing equipment desirable. Promotion potential: GS-4.

No. 35-020, Electronics Technician, DT-856-1/2/3 (Multiple Vacancies), Code 3545 — Incumbent will be responsible for the fabrication and testing of microwave and/or analog, and digital circuit assemblies as used in high power radar systems. **Knowledge:** of microwave test equipment (network and spectrum analyzers, power meters); of analog, digital and/or microwave circuit assembly and fabrication techniques; of microwave circuit theory and test procedures. **Ability:** to read, understand, prepare and work from schematics, wire lists, and/or engineer design data; to communicate well in writing and orally. Selective Factor: WS-6536D Category G Soldering Certificate. Promotion potential: DT-3.

36-115, Supervisory Logistics Management Specialist, DS-346-3, Code 3684 — This position is Section Head for the Integrated Logistics Support Branch. Incumbent is responsible for supervision and direction of approximately 15 people. The branch is responsible for the preparation and implementation of Integrated Logistics Support (ILS) plans for DOD weapon system acquisitions. Establishes logistics support criteria for system specifications, solicitation packages and contracts. Budgets and manages funds required to execute logistics functions. **Elements: Knowledge:** of all elements of Integrated Logistics Support; DOD weapons acquisition processes. **Ability:** to supervise diverse technical working groups; prepare and make verbal presentations and briefings to establish liaison with all levels of Commands/Offices; willingness to support EEO policies and procedures. Frequent travel may be required. Promotion potential DP-3.

No. 36-123, Clerk-Typist, GS-322-4/5, Code 3643 — Incumbent will provide clerical support to the Quality Control Branch. **Elements: Knowledge:** of grammar, punctuation, spelling, proper format; of filing systems and files management. **Ability:** to receive and refer phone calls and visitors; receive and distribute incoming mail; to prepare timecards, personnel forms, travel orders and itineraries; and requisition supplies. Promotion potential to GS-5.

Personnel News & Notes

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Naval Weapons Center, China Lake, California 93555 6001

No. 36-124, Interdisciplinary Supervisory Electronics/General/Mechanical/Aerospace Engineer, DP-855/801/830/861-3/4, Code 3621 — This position is head, Missile Systems Branch, Systems Engineering Division, Engineering Department. The Missile Systems Branch provides mechanical and electronics engineering technical expertise in support of missile systems and related support equipment design, development, production, and field usage. **Elements:** Ability to: communicate orally; communicate in writing. **Knowledge of:** mechanical or electronic design as applied to missile seekers and related support equipment; DOD and Center project management principles and practices; willingness to support EEO/Affirmative Action. Promotion potential to DP-4, but not guaranteed.

No. 36-125, Computer Clerk, GS-335-3/4, Code 36572 — Incumbent will be responsible for monitoring the Computervision system on second shift in support of the production shift. Duties include, backup of production files, system re-boots, file retrieval from backup and archive tape libraries (using an INGRES database to identify which tapes contain the request files), logging problem calls when hardware fails, and performing customary maintenance on equipment, such as cleaning tape drives and plotters. **Elements:** Ability: to learn to perform diverse computer operator functions and to observe and record observations. Promotion potential GS-7.

No. 39-005, Security Clerk (Typing), GS-303-3/4/5, Code 39E — This position is located in the Advanced Projects Office, in the Weapons Department. The position will be responsible for providing documentation control in the acquisition, cataloging, issue and return of classified and unclassified documents and other related materials. **KSAs** - Knowledge of Navy, NWC classified material handling procedures. Skill in operating IBM Displaywriter. Ability to plan, organize and accomplish work independently. Ability to perform other clerical functions. Promotion potential to GS-5.

No. 39-002, Interdisciplinary Supervisory Elec/Gen/Mech/Aero Engineer/Mathematician/Physicist, DP-855/801/830/861/1520/1310-3/4, Code 3912 — This position is Head, EO Missile Systems Branch, Weapon Synthesis Division, Weapons Department. The EO Missile Systems Branch is involved in analysis and synthesis of proposed, developmental and operational IR guided missiles; analysis and modeling of seeker platforms, seeker signal processing, servos; and control system design. **KSAs:** Ability to supervise an interdisciplinary professional workforce; ability to direct and/or perform novel design solutions in all phases of control system design solutions in all phases of control system design and analysis; ability to communicate well both orally and in writing and be skillful in presentation of technical material to all levels of personnel; ability to demonstrate support of the Federal EEO policies and goals; graduate and/or training in control systems and in-

frared guidance highly desirable. Promotion potential to DP-4, but not guaranteed.

No. 39-007, Administrative Assistant, DA-341-1, Code 39E — Incumbent provides full range of financial and general administrative support for the Advanced Projects Office. Duties include program fund monitoring, control, planning and reporting: budget planning; personnel, equipment, safety and security, space, facilities and procurement. **Knowledges:** of Center policies and procedures in the areas of budget; personnel; supply/procurement; facilities and security; plant account and general administrative policies and procedures. **Ability:** to interface with both technical and administrative management personnel; ability to communicate effectively both orally and in writing; abilities to exercise originality and initiative in dealing with administrative problems; to prepare and implement financial and administrative procedures; to review information/data for accuracy and completeness. Top Secret clearance or ability to obtain clearance is required. Promotion potential to DA-2.

No. 623-001, Multi Disciplinary Technician, Engineering Technician, Electronics Technician, Photographer, DT-802/856/1060-2/3, Code 62311 — This position is an Optical Instrumentation Technician in the Tracking Section of the Electro-Optical Branch, Instrumentation Division, Range Department. The incumbent operates, maintains and provides limited design and development of highly specialized optical and electronic devices, including laser equipment, to gather test data for NAVWPNCEN Ranges; performs work using specialized optical, video, film and tracking equipment and improvises new methods and techniques for using such equipment. Assists in planning and conducting field tests. Typical equipment used within the Branch area, but not restricted to: various tracking instruments, such as Cine Sextants, Cine Theodolites, Contraves, Askania (MCMs), M-45s, medium and high speed cameras, specialized shuttered video cameras, recorders and other related equipment. **Skill:** in operating photo-optical/electro-optical equipment. **Ability:** to perform as a member of a technical team. **Knowledges:** of field instrumentation technology; and of how photo-optical and electro-optical systems are used for gathering field test data.

No. 64-015, Electronics Technician, DT-856-3, Code 64231 — This position is located in the Systems Engineering Section. Incumbent's duties include electronic fabrication and printed wiring board layout and test. Assists engineers in design of telemetry systems and subsystems to facilitate fabrication and achieve technical requirements. **Knowledge:** of circuit fabrication techniques, printed wiring board design, hardware equipment used in making RF measurement. **Skills:** in working with RF design and testing. **Abilities:** to communicate effectively with people and ability to read schematics and wiring diagram.

No. 32-201, Interdisciplinary (General, Materials, Mechanical, Aerospace, Industrial) Engineer, DP-801/806/830/861/896-3, Code 3261 — Incumbent will be the project engineer for full-scale engineering development (FSED) of an improved warhead for a major design and explosive selection process. The following types of experience is desired: FSED experience and familiarity with Center acquisition, management review, and documentation policies/instruction are required. To apply, send an updated SF-171 by 28 February 1986 to N. Fasig, Code 3261, ext. 7282. Promotion potential to DP-3.

No. 35-010R, Interdisciplinary (General/Mechanical/Electronics/Aerospace/Industrial Engineer, Physicist), DP-801/830/855/861/896/1310-2/3, Code 3506 — Incumbent will be responsible for management of the HARM test section development and production efforts on-Range Center, interfacing with other government facilities and contractors as necessary. As a member of a major project technical management office the incumbent will prepare plans, proposals, budgets, reports and presentations as required as well as direct and coordinate the efforts of others across organizational lines. To apply for this position submit a current SF-171 to M. Schmitt (Code 3506A).

No. 39-006, Mechanical/Aerospace Engineer, DP-830/861-2/3, Code 3915 (2 vacancies) — The positions are located in the Dynamics and Control Branch. The Mechanical Design Section of that branch is responsible for various tasks leading to missile airframe synthesis. Tasks are to

provide missile airframe component designs supported by analysis and testing, to evaluate design concepts for captive and free flight loads imposed by the fleet environment, and to assess performance characteristics of airframe shapes and control elements by use of wind tunnel data, computer codes, and simulation. Knowledge of Navy aircraft store mechanical interfaces, structural and aerodynamic loads, vibration, and thermal environment, fleet practice in handling weapons is utilized. Ability to communicate well orally and in writing, to coordinate tasks and the work of a variety of people, and to integrate knowledge from various disciplines related to missile airframe design is desirable. Submit SF-171 to Karl Kuehn (Code 3915) ext. 3496.

No. 623-123, Mechanical Engineer, DP-830-1/2/3, Code 6232 — This position is in the Range Engineering Branch of the Range Department. The branch provides engineering support to the Center's ground, air and track test ranges in the areas of test facilities planning and the design, procurement, installation and modification of test range facilities. Incumbent will prepare engineering designs for the modification, fabrication, construction or installation of mechanical/structural test support equipment, structures and related test hardware for range test programs. Incumbent must plan, schedule, coordinate and monitor work to ensure finished product meets design specifications and will fulfill customer requirements. To apply for this position, send a current SF-171 to Eric Kajiwara, Code 6232, ext. 6287.

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. 32-203, Secretary (Typing), GS-318-4/5, Code 326A — Provides secretarial support to the Bigeye Program Office. Knowledge and working skill on Xerox 640 desirable. Promotion potential to GS-5.

No. 39-004, Secretary (Typing), GS-318-4/5, Code 3917 — Provides secretarial sup-

port to the Weapons Effectiveness Branch.

No. 64-041, Secretary (Typing), GS-318-3/4/5, Code 6423 — Incumbent provides secretarial support to the Telemetry Technology Branch. Promotion potential to GS-5.

Recent Departures

Code	Name	Title
088	Frageman, Sandra N.	Clerk-typist
2432	McChesney, Patty L.	Clerk-typist
2522	Leonard, Shirlene G.	Clerk
26025	Alikhan, Syed H.	Electrical Engr.
2661	Danti, Kathy J.	Physical Scientist Tech.
3111	Tucker, Annette Y.	Clerk-typist
3143	Browne, Katherine A.	Clerk-typist
3413	Danza, Lori A.	Clerk
3431	Melton, Angela R.	Clerk
3854	Dragovich, Peter S.	Engrg. Aid
3903	Shepley, Richard A.	Operations Research An.
3918	Feist, Barney F.	Mechanical Engr.
3944	Fry, John M.	Engrg. Aid
62123	Lewing, Travis W.	Ordinance Equip. Mech.
6214	Roseth, Jennifer S.	Clerk-typist
62513	Wadley, Marlin J.	Engrg. Tech.
62553	Lough, Lyle L.	Physicist
6413	Childress, Mark D.	Clerk-typist
6421	Corley, Brandy L.	Clerk

port to Center programs, and will help provide an interface between the Center and the intelligence community. The Assistant STILO acts to document and prosecute the Center intelligence requirements, disseminate information through briefings and bulletins, and assist the STILO in coordination of Foreign Material Exploitation projects. Submit a current SF-171 to J. Latimer, Code 121, NWC ext. 1506.



Personnel Development Opportunity

BASIC NAVAL CORRESPONDENCE

13 March, Thursday, 0800-1600, Training Center.

By: Odessa Newman.

Intended audience: Typists new to the Navy; however, the course provides a good review for people who type naval correspondence.

Scope: Focuses on the policies and procedures for typing naval letters and memorandums and highlights Chapter 1 (Naval Writing Standards) of the Department of the Navy's *Correspondence Manual*. Please bring a *Correspondence Manual* if you have one.

Deadline: 27 February.

INTRODUCTION TO SYSTEMS ENGINEERING & SYSTEMS ACQUISITION

31 March-2 April, Monday-Wednesday, 0800-1600, Training Center. By: Professor Benjamin Blanchard, Virginia Polytechnic Institute and State University, Blacksburg, VA.

Prerequisite: A baccalaureate degree in some scientific or engineering field is preferred, with some government experience associated with system projects.

Scope: The purpose of this course is to show you the system engineering process and some of the key disciplines related to this process. The objectives are

- To give you basic knowledge of the system engineering process and its application-system requirements definition, functional analysis, and allocation.
- To help you become familiar with some of the key disciplines related to this process-reliability engineering, maintainability, human factors, safety, and logistics.
- To introduce you to some of the tools and techniques employed in system analysis-economic and life-cycle cost analysis, reliability and maintainability analysis, level of repair analysis, and modeling.
- To help you become familiar with the management aspects of implementing a system engineering program.

Note: This is an open class and is not part of the Technical Managers Certificate Program.

Deadline: 10 March.

FUNDAMENTALS OF RADAR CROSS SECTION

8-11 April, Tuesday-Friday, 0800-1600, Training Center. By: Dr. Gary Thiele, Ohio State University.

Southeastern Center for Electrical Engineering Education.

Intended Audience: Aeronautical engineers involved with aero/radar cross section (RCS) trade-off studies; electrical and mechanical engineers and physicists working in the RCS area.

Prerequisite: A basic understanding of calculus. A prior knowledge of electromagnetic waves is helpful but not essential.

Scope: This course is organized to teach the fundamentals of RCS phenomena, analysis, and prediction. Topics include electromagnetic fields; principles of electromagnetic waves and absorbers; radar range equation, monostatic and bistatic scattering, and self-screening jamming; application of the geometrical theory of diffraction to canonical RCS problems; physical optics and the physical theory of diffraction and their applications; the geometrical components approach, data handling, and frequency dependence of simple shapes; an overview of present computer codes; the method of moments and its application to low-frequency scattering problems; absorbers on vehicles, antenna scattering, radomes, and cavity inlets; RCS reduction via shaping and absorbers; and an examination of some unsolved RCS computational problems and current hybrid methods for their potential solutions.

Deadline: 17 March.

MISSILE GUIDANCE AND CONTROL

14-18 April, Monday-Friday, 0800-1600, Training Center. By: Dr. Barry Mons, Evolving Technology Institute.

Prerequisite: BS in electrical or mechanical engineering (or equivalent); completion of one or more courses on classical and modern control systems.

Objectives: The principal objective of the course is to update practicing engineers in the applications of the techniques of classical and modern control systems to the problem of missile guidance and control. The learning objectives are:

- To review control systems theory and develop missile airframe dynamics in terms of control systems models.
- To achieve an understanding of the missile autopilot design problems.
- To achieve an understanding of the missile homing process and develop models of the seekers used in the missile homing process.
- To give insight in the guidance equations implementation in modern missile systems.

Scope: Provides an overview on the design of tactical guided missiles with emphasis on RF homing missiles. The course covers design considerations of autopilots, missile guidance equations, seekers and tracking loops, and the missile development process.

Deadline: 24 March.

ACQUISITION MINILECTURE SERIES CONTINUED

This series covers several subjects of interest to technical and procurement personnel in the form of brief and timely lectures. Some of the lectures are offered twice; sign up for one session only. Enroll for each session separately by the deadlines shown.

ASSISTING THE TECHNICAL USER*

24 February, Monday, 1230-1600 OR 25 February, Tuesday, 1230-1600, Training Center. By: Richard Sawyer, Consultant.

Scope: Topics include methods to help technical people get what they need; insight into the ways in which scientists and engineers think about contracting; and specific tools and techniques that can be used to improve the relations between user and buyer.

*For contracting personnel
Deadline: 18 February.

RECOMMENDATIONS FOR OTHER THAN FULL AND OPEN COMPETITION (SOLE SOURCING)

19 March, Wednesday, 0800-1130 OR 4 June, Wednesday, 0800-1130, Training Center. By: Pam Thompson, Code 25204.

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

Deadline: 4 March or 16 May

WRITING ADEQUATE PURCHASE DESCRIPTIONS

27 March, Thursday, 0800-1000 OR 3 June, Tuesday, 0800-1000, Training Center. By Helen Cropper and Pam Thompson, Code 25204.

Scope: This session will teach purchasers how to ensure appropriate requirements are met when they request material to be procured by Code 25. Poor examples and correct examples of purchase descriptions will be shared. Please bring a purchase description (stub) that you are working on to be critiqued in class.

Deadline: 14 March or 16 May.

HOW THE TECHNICAL CODES DO BUSINESS

9 September, Tuesday, 0800-1600, Training Center. By: Charlie May.

Objectives: The intent of this course is to better acquaint NWC support codes with the terminology, methods of operation, and problems and constraints of Center technical codes. The course should be useful to new NWC employees to help orient them to the NWC environment.

Scope: The course gives an overview of the development, production support, and Fleet support phases, and makes no attempt to cover specific areas in depth. Course material should be useful for identifying specific areas to students that they may wish to learn more about in follow-up courses.

Deadline: 18 August.

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

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. 12-002, Interdisciplinary (Operations Research Analyst, Mathematician, Physicist, Aerospace/Electronics Engineer), DP-1515/1520/1310/861/855-2/3, Code 1211 — This position is the Assistant Scientific and Technical Intelligence Liaison Officer (STILO) in the Weapons Planning Group. As the principal assistant to the Center's STILO, the incumbent will be delegated responsibility for intelligence sup-