



**CELEBRATION PLANNED** — Hector and Mena Leon present tickets to the Mexican Independence Day celebration dance to Capt. K. A. Dickerson, NWC Commander. The Ridgecrest/Tepatitlan Sister City Association is sponsoring the dance on Saturday, Sept. 21, at 8 p.m. in the exhibit hall at the Desert Empire Fairgrounds. Playing a variety of danceable music will be Los Feliz. Tickets, at \$8 per person, can be purchased at the door.  
— Photo by Claire Grounds

### Varied activities at Mono Lake

North of Bishop, Calif., along highway 395 and near the town of Lee Vining, is the remnant of an ancient lake from which Mono County takes its name. Mono Lake is famous for its tufa deposits, a creation of mineral chemistry and algae that have left the lake shores with a spectacular landscape of spires and knobs towering skyward. The lake shores are now part of the Mono Lake Tufa State Reserve operated jointly by the Calif. Dept. of Parks and Recreation and the Bureau of Land Management. Boating and swimming are allowed from designated campground areas and there is an active visitor program of nature walks given by reserve rangers.



Authorized patrons are invited to take advantage of a sale at the China Lake Craft and Hobby Shop today. Until 8 p.m., patrons can enjoy a 20 percent discount on all resale items during the sale. Continuing tomorrow, the sale begins at 10 a.m. and goes until 4 p.m. Boxes and packing material must be provided by those purchasing items at the sale. For more details, telephone NWC ext. 3252.

### Sea Cadet barbecue

Once again, it's the time for the annual Sea Cadet Barbecue and Swim Party sponsored by the Indian Wells Valley Navy League. Scheduled for Sept. 7 at the Chief Petty Officers' Mess, the event will begin at 6 and run until 9:30 p.m. Sea Cadets, prospective Sea Cadets, and Officers will be admitted free, and Navy League members and guest will be charged \$6 per person. Menu items include hotdogs and hamburgers, beans, and potato and macaroni salads. Reservations are necessary and must be made by Tuesday, Sept. 3, by calling 375-4272, 446-5488, or 446-2538.

### Square dance class

Light-footed individuals who'd like to learn how to square dance or round dance will once more have the opportunity to do so.

The Cactus Squares Square Dance Club will start square dance classes next Wednesday at 7:30 p.m. at Pierce School, with Jim Noh as instructor. The first three lessons, all taught on Wednesday evenings, are free. Further information can be obtained by telephoning Lewis and Kathie McKinney at 446-6685.

Chuck and Doreen Ball will teach round dancing starting next Thursday at 6:30 p.m. at the Senior Citizens Center, 125 S. Warner in Ridgecrest. All couples age 16 or older are welcome to attend. More information can be obtained from Chuck and Doreen Ball at 375-9313.

## Busy weekend in Bishop

Bishop's 53rd Annual Celebration is in full swing with a wide variety of activities packed into this weekend.

Professional Rodeo Cowboy's Association rodeos are set for tomorrow and Sunday evenings at 8 p.m. at the Bishop Fairgrounds, with a local rodeo lined up for Monday at 1 p.m. Reserved seating for the PRCA rodeo is \$7 per ticket, and general admission is \$5. All tickets for the local rodeo are \$5 apiece.

Tonight at 8 o'clock is the Queen Coronation Dance and the Whiskerino finals at the Charles Brown Auditorium. Everyone is welcome; tickets are \$3 for adults and \$1 for children 6 to 12 years of age.

Tomorrow night, everyone over 21 can attend the Homecoming Dance, at the same location, for \$5.

Tomorrow at 10 a.m. downtown Bishop is the site for the Homecoming Parade; following this event, fun and games will be at the fairgrounds for the entire family. There will be a Western dinner at the fairgrounds beginning at 5 p.m.

Sunday morning will start off early with a pancake breakfast at the Bishop City Park at 7 a.m. At 1 p.m., the fairgrounds will be the site of the junior rodeo which is free of charge. Sunday afternoon at 5 p.m., everyone is invited to bring a picnic supper to the City Park to meet with friends.

## Dietician conducts class for teens

Obesity is the number one form of malnutrition in teens, according to Suman Khara, registered dietician. She is conducting SHAPE-DOWN classes for teens at

Drummond Medical Clinic that help teens change their food and exercise habits, improve their self esteem and lose unwanted pounds.

Groups meet weekly for 12 weeks starting September 25th, at 4 p.m. at Drummond Medical Clinic.

For more information contact Suman Khara at 446-4571.

The program was developed at the University of California, San Francisco, School of Medicine and combines diet, exercise and behavioral techniques in a format suitable for teenagers.



	Max.	Min.	Peak wind
Fri.	107	60	17 knots
Sat.	112	63	17 knots
Sun.	110	70	24 knots
Mon.	108	65	25 knots
Tues.	106	64	26 knots
Wed.	108	62	18 knots
Thurs.	107	59	24 knots

All measurements are made at Armitage Airfield.

## NEX News...

Due to the Labor Day holiday, the NEX retail store will be closed on Monday, Sept. 2, as will the service station; the Mini-Mart hours are from 10 a.m. to 7 p.m.

A variety of sales in progress at the NEX retail store are offering great buys on back to school supplies, and clothing items for working men and women. Included in the sale are 501 shrink-to-fit Levis for 12.99.

Toy Land's Grand Opening on Saturday, Sept. 7, is far enough in advance so children can begin their wish lists for Christmas.

In addition to all of this, the NEX has reinstated the budget Merchandise Program, so watch for special tags. The clearance section is another place to shop and save money.

## Movies

FRIDAY	"MISSING IN ACTION II: THE BEGINNING"	AUG. 30
	Starring Chuck Norris and Scon Teck Oh (Action-Drama, Rated R, 95 min.)	
SATURDAY, MONDAY	"FLETCH"	AUG. 31, SEPT. 2
	Starring Chevy Chase and Joe Don Baker (Comedy, Rated PG, 98 min.)	
WEDNESDAY	"LAWMAN WITHOUT A GUN"	SEPT. 4
	Starring Louis Gossett Jr. and Clu Gulager (Western-Drama, Rated R, 95 min.)	
FRIDAY	"MISSING IN ACTION"	SEPT. 6
	Starring Chuck Norris and M. Emmett Walsh (Action-Drama, Rated R, 102 min.)	

Starting Times: Matinee / 2:00 pm Evening / 7:00 pm  
Box Office Opens: Matinee / 1:30 pm Evening / 6:30 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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1985 — No. 20019

FROM: \_\_\_\_\_

PLACE STAMP HERE

TO: \_\_\_\_\_

## New procedure speeding return of FSATs



**DISAPPEARING ACT** — Soon to vanish into the vast cargo hold of a C-130 Hercules is the nose of a battle-damaged QF-86 target aircraft.

Considerable savings in time and money is being realized by NWC's Full-scale Aircraft Targets (FSAT) program thanks to a new procedure for transporting damaged QF-86 target aircraft.

Developed by the Aircraft Department's Systems Engineering Branch, the new procedure returns a disassembled QF-86 to NWC in the cargo hold of a C-130 Hercules.

Full-scale aircraft targets are an integral part of weapons testing done at the Center and Pt. Mugu's Pacific Missile Test Center (PMTTC). Because of their ability to perform maneuvers similar to those of an enemy aircraft, FSATs offer realistic targets for missile and gun shots.

Due to the nature of FSAT operations, the QF-86s are continually exposed to battle damage while flying test missions. Since QF-86s cost nearly \$400,000 each, every effort is made to bring damaged aircraft back for landing, within safety limits for personnel and other equipment.

Targets are often flown with damage to electrical or hydraulic systems. Landing, with even the most proficient pilot at the remote operating console, can result in adding to damage sustained during operations.

While NWC is the depot-level maintenance point for QF-86 targets, many of the aircraft are operated from San Nicolas Island, off the California coast, or from Roosevelt Roads, Puerto Rico. In the past, when a damaged QF-86 was landed at one of those sites it was prepared for shipment

back to NWC by personnel not accustomed to transporting damaged aircraft.

Sometimes, if the landing was at a remote site, the damaged aircraft would be picked up with a sling from a helicopter and ferried to a better site for packing and preparation for transport to NWC.

Dave Eiband, head of the Systems Engineering Branch said Max Lawson was the lead engineer on the effort to develop new techniques, equipment and a formal procedure for returning damaged QF-86s to the Center for repairs.

"People taking apart the aircraft for shipment may not have had repair of the airplane as their prime concern," said Eiband of previous means used to recover damaged QF-86s. The branch employees thought they could find a better way to do the job.

Because they knew the Air Force routinely ships disassembled planes in cargo aircraft, branch employees made some phone calls and discovered it could probably be done for QF-86s.

Early this summer the first successful transport of a battle damaged QF-86 was brought to NWC from San Nicolas Island after being damaged when the nose gear collapsed on landing.

By making modifications to the stand used to hold the forward part of the fuselage, removing the wings and tail section, the entire QF-86 was loaded on a C-130.

(Continued on Page 7)



Naval Weapons Center, China Lake, California 93555-6001

Vol. XL, No. 34 / August 30, 1985

## Sparrow leadership role brings TD Award to John Hledik

John Hledik, Senior Systems Engineer for the Sparrow Missile Program in the Weapons Department was honored with a Technical Director's Award recently.

Burrell Hays, NWC Technical Director, praised Hledik for his technical expertise saying he was "still technically the best person we have on Sparrow."

Hays commented "we should have made this award a long time ago." He added that "in the 1955-57 days the person who kept us technically alive was you, Jack."

It was a surprised Hledik who received the engraved paper weight, letter of commendation and stipend that comprise the Technical Director's Award.

"This doesn't mean we're going to quit," said Hledik. "The group still has some ideas and we'll keep trying to go on," he added.

In recommending Hledik for the Technical Director's Award, D. G. Bullard, head, Weapons Department, said "the accomplishment of the Sparrow missile system has demonstrated the ability of the Naval Weapons Center to perform high

quality production engineering and product improvement design on a complex, highly visible joint service program. Mr. Hledik's leadership and reputation for technical expertise have been instrumental in this achievement of NWC and in placing the Navy in a 'smart buyer' role."

The letter of recommendation also noted the Center's support of the Sparrow missile program was "highly dependent upon the technical knowledge and leadership of Mr. Hledik, and it is in recognition of this expertise and leadership to government activities and industry that he is recommended."

Hledik was credited with playing a key role in the development and expansion of NWC's responsibility and capability in Sparrow. "As senior systems engineer, his knowledge encompasses the development, test and evaluation, and introduction of several generations of Sparrow. He is a nationally recognized authority on design and operation of Sparrow," added the letter of recommendation.



## Integrity, efficiency program's 24-hour Hotline available

A new, 24-hour dedicated telephone line has been assigned to the Center's Integrity and Efficiency Program and is now in operation as the NWC Hotline.

Anyone who feels he or she may know about instances of fraud, waste or abuse — anything that reflects on the integrity and efficiency of NWC or its personnel — is urged to telephone NWC ext. 3636 and express these concerns so that they can be investigated.

**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)

"NWC," says Ed Cannell, head of the Internal Review Staff, "has a superb reputation for its technical abilities. We'd like to ensure it has the same reputation for integrity, efficiency and protection of government resources."

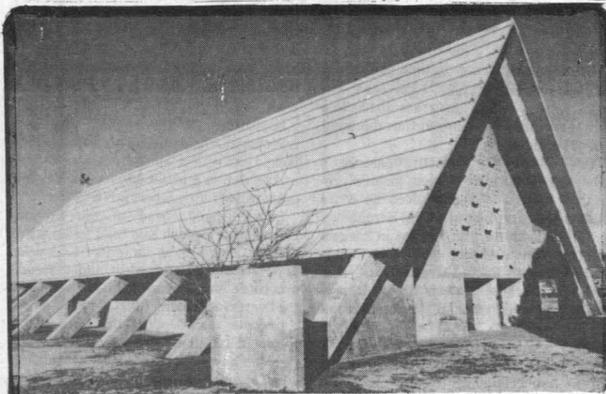
The Internal Review Staff, Code 002, is the focal point for the Commander on

fraud, waste and abuse. "Our product is credibility," Cannell says of his staff of 12, whose main function is auditing. "We'd like to try to resolve fraud, waste and abuse issues locally if we can because it's more efficient and quicker that way."

He says anyone who wishes to call the NWC Hotline and "speak to a live voice" should telephone NWC ext. 3636 during normal working hours; those who do not wish to speak directly to a member of the Internal Review Staff can telephone and leave a recorded message at all non-working times. In either case, the individual may make the call anonymously or, if he or she wishes to be informed about follow-up on the call, can leave name and phone number.

"We need as much information as possible in either case so we can conduct an adequate investigation," Cannell emphasizes.

If a caller does not feel adequate action is being taken locally, that person is still able to telephone the Inspector General's hotline numbers — (800) 522-3451 (toll free); 288-6743, Autovon; or (202) 433-6743, commercial.



**Divine Services**

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

**Students sought to enter work experience program**

A new Technical Mentor Work Experience Program will begin at NWC this fall, designed to provide the opportunity for a dozen high school juniors to aim toward eventual employment at NWC as technicians or scientists and engineers.

The idea for the program was initiated by the Research Department, and will be administered by the Equal Employment Opportunity Office. Spearheading the effort are Dr. Bob Schwartz of the Research Department and Luz Lambert-Shaughnessy from the EEO office.

More than 25 of the Center's scientists and engineers have already volunteered to serve as technical mentors for young people selected for the initial year of the program.

While the Technical Mentor Work Experience Program is structured for minority, disadvantaged and female high school students, it is not limited to these. To qualify, a student must demonstrate and show mathematical or scientific aptitude or interest.

Eligible for the program are students who will be in their junior year at Burroughs, Mesquite, Trona, or local parochial high schools. Burroughs High School has already indicated that it will participate.

While details of the training will be flexible, a typical program would be as follows: during the first semester of the junior year, students will spend four to six hours per week in unpaid work experience; this will increase to eight to 10 hours during the second semester of that year. The summer between junior and senior years would be spent in full or part-time employment at NWC.

During the senior year, students will work 10 hours per week and receive both pay and work experience credit for this time. On completing the program successfully, entrance into the Cooperative Training Program will be offered in the summer after high school graduation.

Assignments for the students are intended to be instructive and developmental, while involving the student in a meaningful project useful to the organization. These assignments could include routine operation of laboratory equipment, scientific measurements and data reduction, instrument maintenance, computer operations, or field surveys.

Technical mentors are being chosen for their ability to work well with young people as well as having a good understanding of department projects and requirements.

Students will be selected in September for the Technical Mentor Work Experience Program. Sons and daughters of DOD employees may be appointed to the program only if there are no other eligible and available candidates.

**Navy establishes new acquisition hotline for weapon systems**

A special telephone line has been installed to receive suggestions or inquiries on simplifying the acquisition of Naval weapon systems. The Navy acquisition stream-line established a direct link to the Specification Control Advocate General of the Navy, support office to the ASN (S&L).

The purpose of acquisition streamlining is to reduce the cost of Navy systems and equipment acquisitions by eliminating non-cost-effective requirements. The principles of acquisition streamlining have already been successfully applied to several Naval ship and aircraft systems.

The purpose of this message is to request assistance in soliciting suggestions or inquiries regarding the tailoring of contract requirements, particularly specifications, standards, data requirements and contract terms and conditions.

The acquisition stream-line can be reached on AUTOVON 443-6683 or by dialing toll free, 1-800-NAV-SPEC. Suggestions or inquiries concerning the application of acquisition streamlining initiatives will be welcomed and handled with dispatch.

**Employee in the spotlight**

**Brandi Williams finds Center jobs challenging**

Her career began following an interview in which she was so nervous she was unable to hold a coffee cup. Fifteen years and a succession of positions later, Brandi Williams is an Administrative Officer (AO), and enjoying every minute of it. "I love being an AO. I bore easily, and the AO position is challenging," she says.

Mrs. Williams' first job at China Lake was as secretary to Gale Poppen, head of the budget division of Central Staff. Recalling her interview, Mrs. Williams says, "I was shaking so badly I couldn't even hold my coffee cup in my hand." She then went on to express her amazement that her employer hired her.

"I had been a housewife. He hired a woman who had stayed home and raised four boys — I felt he had taken a chance on me when he hired a lady who only knew the price of hamburger."

Eager and willing to learn, she left the position four years later with confidence in her abilities and knowledge which enabled her to accept a position requiring her to develop a budget, select equipment, and perform a variety of other functions. She was hired to establish the Word Processing Center in the Headquarters Building. "I saw it as a transition period where I moved out of the clerical field and into a supervisory position," she states as the reason for the change.

After holding this job for a year, she moved on when an opportunity arose for her to take the position of AO for what was then the Office of Finance and Management (Code 08).

In 1979, after nine years with Code 08, she accepted another AO position, this one for the Engineering Division of Public Works. Finding herself under the tutelage of Bill Bonner, she became extremely involved in providing support for the Facilities Planning Board (FPS) Screening Committee, which makes recommendations to the board to approve/disapprove facility projects under \$10,000.

With the recent reorganization of the Public Works Department, Mrs. Williams has found herself with yet another job. Once again, she is an AO, and once again, she is working for Bill Bonner, now an Associate Department Head of Public Works. She is still involved with the FPS Screening Committee, and accomplishing a myriad of other functions.

In addition to all of this, she was an Equal Employment Opportunity counselor in 1983. Beth Perrine, Deputy EEO Officer, called her and asked her if she would like to become involved in EEO, and she thought it would be an interesting experience.

Three men whom Mrs. Williams credits with much of her professional success are Gale Poppen, Bernie Connolly, and Bill Bonner.

Of Poppen she says, "Every time I get a promotion, I feel like I should cut off part of my SF-50 and send it to him because I couldn't have done it without him."

While she worked for Code 08, Connolly was her supervisor, and "I learned more about administrative processes from him than I ever thought possible," she commented.

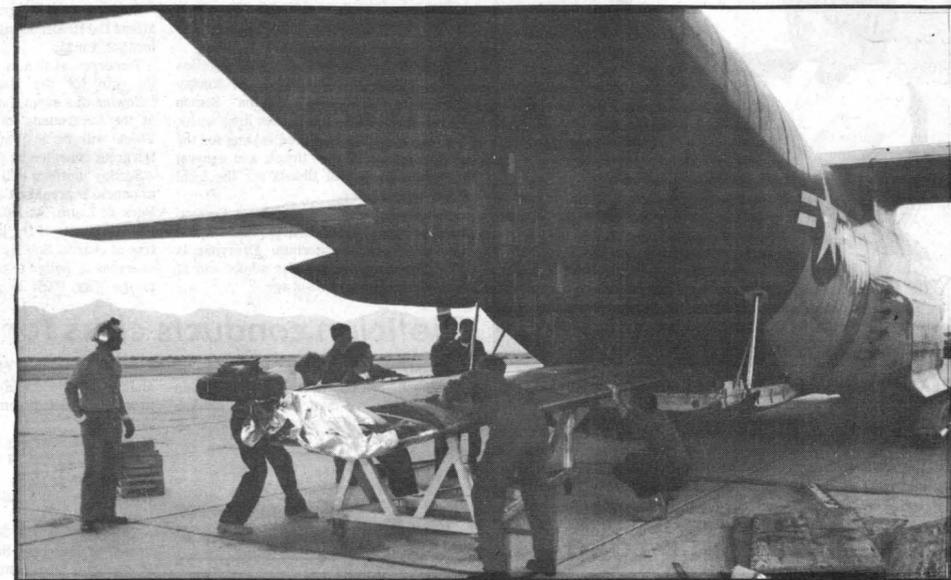
Working for Bill Bonner since 1982, Mrs. Williams says, "He's great to work for. He's teaching me about facilities planning, contracting, and supporting and encouraging all these collateral duties and assignments."

As they have watched her strive for and achieve success, so she "enjoys being a supervisor and seeing people I've hired become successful."



**KEEPING BUSY** — Brandi Williams, an Administrative Officer for the Public Works Department, catches up on some of her work associated with facilities planning. — Photo by PH2 Rick Moore

**FSAT program benefits from new transport method . . .**



**WINGING IT** — Mechanics carefully move one wing C-130 Hercules for a trip back to the Naval Weapons Center.

(Continued from Page 1)

The Hercules, noted Eiband, can operate from unimproved fields making recovery of damaged targets that much easier.

"This gives us the flexibility that we never had before," commented Lawson of the successful operation.

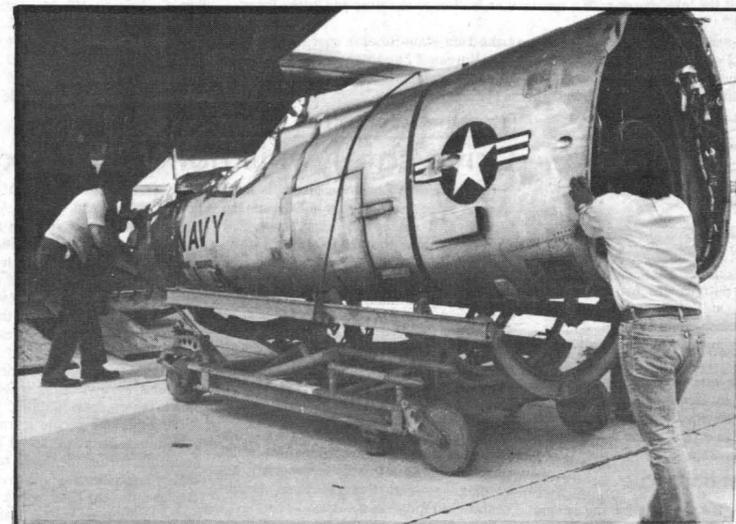
Within 24 hours of learning a QF-86 has been damaged beyond the ability of local repair personnel, an NWC team can be on its way to supervise disassembly and loading.

The concept hinges on developing dollies and support devices specially modified to permit the entire QF-86 to be loaded in the Hercules' cargo bay.

Eiband noted local repair crews might cut apart rather than disassemble it because they didn't have the expertise on the plane possessed by NWC personnel.

Eiband and Lawson said everyone seems to be happy with the new means of recovering FSAT assets. NWC realizes a savings of time and money on the depot work, the C-130 crews get a training exercise and those flying the QF-86s get the aircraft back in flying condition, quicker.

With development of written, formalized procedures and modified ground-support equipment in hand for the QF-86, NWC officials may be able to apply similar procedures and equipment to other FSAT programs in the future.



**ALL ABOARD** — Navy crews load biggest part of a disassembled QF-86 onboard a C-130 Hercules at San Nicolas Island for transport back to the Naval Weapons Center. — U.S. Navy Photos



**NWC Rocketeer**

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Official Weekly Publication  
Naval Weapons Center / China Lake, California 93555-6001  
(619) 939-3354 or 939-3355

Deadlines: News Stories-Tuesday, 4:30 pm / Photographs-11:30 am

The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with NAVSO P-35 revised May 1979.

Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official view of the Department of Defense. Information in the Rocketeer is authorized for public release by the Naval Weapons Center Public Affairs Officer, Code 003.

# Getting in shape can be fun at NWC's Chapel

Military personnel from the Chaplain's office — including the Center's three chaplains — are engaging in an innovative physical fitness program that makes getting and staying in shape fun for all those involved. Their dependent are also welcome to join in the exercises each Tuesday and Thursday afternoon.

What makes this fitness and conditioning program unique for local military is that it is based on aerobic exercises with a background of contemporary music.

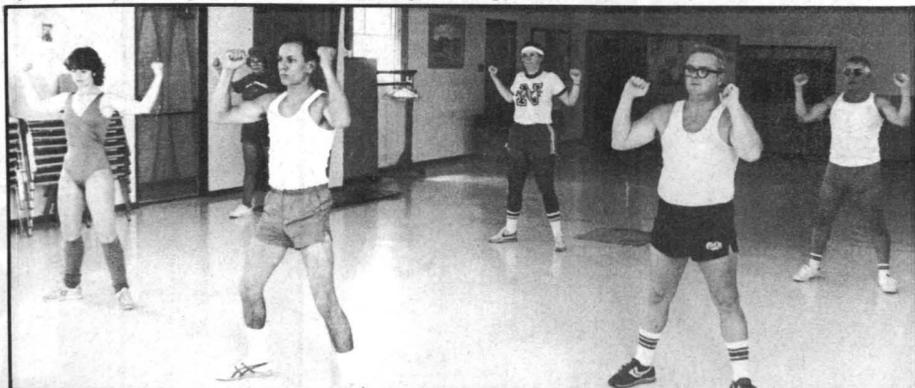
Cheryl Hastings, a member of the Protestant congregation and wife of Canadian Armed Forces officer Major Bob Hastings, coupled floor exercises and aerobic dancing and matched these with contemporary music on a tape. Mrs. Hastings says that she feels that this volunteer effort has given her a way to serve the organization in a way that she's best qualified to do.

After the hour-long aerobic exercises, the three chaplains and the three enlisted personnel then take part in a graduated run designed to build up endurance. On returning to the East Wing of the Chapel, they go through their cool-down exercises, making

about an hour and a half total exercise. LCdr. Jason Knott, Airfield Chaplain, says that not only does this program enable

everyone to meet the military fitness requirements, but also it builds self esteem because each person taking part knows that

getting and staying in shape is important enough to warrant taking work time for such an operation.



**AND A ONE, TWO, THREE** — The Center's three Chaplains and the military staff of the Chaplains Office (along with dependents who wish to take part) join in aerobics routines as well as lengthy run twice each week. This gets military personnel in shape for required conditioning tests.

# Doc's squad retains softball league leadership

With four wins in their last four outings, VX-5's Military Softball League team climbed into first place with a 16-3 record, edging Doc's squad and a 15-3 record.

The Hornets remain winless, having sunk to a 0-16 mark after the last week's action.

### NWCO's 25, Hornets 5

Whittle's five-for-five performance and a home run by Enewold keyed the NWCO's attack. Lucchesi allowed just five hits and five runs while fanning three to gain the pitching victory.

D. Bouchard was the losing pitcher, surrendering 27 hits in five innings of play. B. Hasting's triple was the only extra base hit for the Hornet squad.

### VX-523, Devils 0

In a rare slow-pitch shutout, the VX-5 Vampires amassed 28 hits for the easy win. Flick had two home runs while Jones had a four-for-four game at the plate. Harmon was the winning pitcher, allowing just two hits.

A double by Herman and a single off the bat of Brown were the only hits for the Devils. Chilton absorbed the mound loss.

### Doc's 12, Bears 11

In a close contest, Doc's 23 hits and seven-run seventh inning rally turned a near defeat back to victory. Waugh's homer and three hits by Palmer and Bormett keyed the win.

Walker and Ruiz had three hits each for the Bears. Bookout allowed 23 hits in the loss. Ruiz's double was their only extra base hit.

### Devils 18, CPO's 13

Home runs from Chilton and Harmon boosted the Devils past CPO players. The winners amassed 22 hits, seven of which went for extra bases. Chilton was also the winning pitcher.

Despite 26 hits, the CPO's were held short of victory. Kizer clubbed a pair of doubles while Parrie added a lone double to the attack. Their five-run seventh inning rally fell short of victory.

### VX-5 15, Outlaws 14

VX-5 helped keep the Outlaws out of third place with this game. It took a 12-run fifth inning, then one final run in the seventh to bring about victory.

Collins, Huffman and Beavers had three hits each to pace the Outlaws attack. Killinger surrendered 18 hits and walked two batters in the defeat.

### Bears 27, Hornets 8

Behind a 34-hit attack, the Bears rolled over the Hornets to keep their firm grip on third place. Jones homered and Waugh tripled while Adams clubbed five singles. Bormett was the winning pitcher.

Able to muster just six hits, the Hornets

were blanked until a six-run rally in the sixth frame. G. Naldrett, R. St. Germain and C. Webb had two hits each.

Outlaws 11, NWCO's 9  
Despite outitting the Outlaws, 18-15, NWCO's absorbed another loss. Mackey

and Beavers both homered while Suttles added a triple. The mound victory went to Killinger.

Four hits off Whittle's bat and three singles each from Maholhic, Novak and Kocher paced the NWCO's offensive effort.

### Doc's 22, Hornets 7

Two home runs, two triples and six doubles keyed a 28-hit attack as Doc's rolled past the Hornets last week. Bookout allowed only 10 hits in gaining credit for the win.

All but one of the 10 hits by the Hornets came on singles. D. Bouchard and P. Barnes had two hits each and French added a double.

### VX-5 28, CPO's 12

Harmon's two home runs and single blasts by Viviano and Jones boosted VX-5 past the CPO's with ease. Glenn added two doubles to the winning effort.

Edge allowed just 15 hits in winning the game. Savko notched three of them while Hays added a triple and two singles. Carlos was the losing pitcher.

### VX-5 11, NWCO's 4

Jumping out to a 4-0 first inning lead wasn't enough for NWCO players. Harmon blanked them for six more innings as VX-5 overcame just six hits off NWCO bats.

Clark homered in the win while Jones added three hits. VX-5 also got a triple off Cirinelli's bat and took advantage of three walks issued by Lucchesi.

### Doc's 13, Outlaws 9

Doc's never trailed en route to their 15th win of the summer softball season. Both teams notched 15 hits each, but Doc's took advantage of four walks issued by Killinger, the losing pitcher. Blevins tripled for Doc's while Ruiz, Blevins and Saint had doubles.

Suttles, Beavers and Krauch clubbed doubles in a losing effort as the Outlaws suffered their ninth defeat in 19 outings this season.

### Devils 22, Bears 16

Nine runs in the fourth frame keyed an upset win by the Devil's against the Bears. Chilton was the winning pitcher and Bormett took the loss.

Wagner and Springer tripled for the winners while Brown had four hits. Farallo's triple and three singles keyed the Bears' effort. Griffin added a home run and a double.

TEAM	STANDINGS	WON	LOST
VX-5	16	3	
Doc's	15	3	
Bears	12	7	
Outlaws	10	9	
NWCO's	8	10	
Devils	8	11	
CPO's	4	13	
Hornets	0	16	



## Sports

# Isabella anglers catching many catfish and bluegill

by MIKE VRADENBURG

Lake Isabella's level is stable, and the weather is cooler with wind in the afternoons. Catfish and bluegill are what most anglers are catching.

Experienced bass anglers found fishing had improved during the past week. The larger bass are being caught in predawn and early morning hours, and the smaller ones are hitting throughout the day.

The most productive areas are Boulder Gulch, Camp Nine, Robinson Cove, Lime Dyke, and Kissack Cove. Local bass anglers are fishing in the morning from two hours before sunup until one hour after.

Rubberworms, spinners, and lures that imitate the shad are the artificial lures being used. Nightcrawlers, waterdogs, and crayfish are consistent producers also.

The bass are feeding near the surface before dawn, and after the sun rises they are being caught near the bottom. Catfish are being caught in the evening and after dark at Camp Nine, Piney Point, French Gulch, and the Southlake area.

Most anglers are using clams, anchovies, nightcrawlers, and mackerel. Bluegill are easily caught on worms, and are most plentiful at Piney Point, Rocky Point, and Lime Dyke.

# Bike race planned Sept. 22

NWC's Recreational Services Department will sponsor a bike race for all ages on Sept. 22. Bicycle riders will race from 1.5 to 18 miles depending on their age.

Races start at 7 a.m. with the 18-and-over age group going 18 miles. The 5-6 age group will go 1.5 miles starting at 8 a.m. while the 7-8 group will ride 3 miles starting at 8:15 a.m. Also, 9-to-11-year-olds will ride 6 miles with an 8:40 a.m. starting time while 12-14 year-olds will ride 9 miles starting at 9:10 and 15-17 year old riders will race 12 miles with a 9:50 a.m. starting time.

Helmets are required for all riders 12-years-of-age and older. All riders are encouraged to wear appropriate safety gear.

Participants in the under-12 age groups will ride fixed gear (single speed) bicycles only.

Registration begins Tuesday, Sept. 3 at the NWC gym. Advance registration is \$2 per entrant while those who wait until race day to sign up will pay \$3.50 per person.

For more information call the gym and NWC ext. 2334.

# DFG continues stocking trout

Barring adverse weather, water or road condition, the following lakes and streams, listed by county, will be restocked this week with catchable-size rainbow trout from Department of Fish and Game hatcheries.

KERN — Kern River (from Democrat Dam to KR1 Powerhouse, Borell

Powerhouse to Democrat Dam and KR3 Powerhouse to Lake Isabella).

INYO — Baker Creek, Big Pine Creek, Bishop Creek (Lower, Middle, South and Intake II), Georges Creek, Independence Creek, Lake Sabrina, Lone Pine Creek, North Lake, Owens River (below Tinemaga), Rock Creek.



# The Skipper Sez...

### QUESTION

**Civilian Employee** — It seems that the Navy Exchange cafeteria on the second floor of the Lab is always out of everything. It seems unfair that in a facility as large as Michelson Laboratory that the facility would always be out of need for the muffin specials, sweet donuts, and stuff. They're out of almost everything today; it seems kind of ridiculous. I know spoilage is a problem, but with all the high traffic of buyers and people coming in and walking out with nothing, it seems to be upsetting to the people, and, of course, the loss of revenue because you have to pay the employees anyway whether they're out or not. And they're doing a great job, they're trying hard but they don't have the materials to work with, and they're always out of stuff. Anyway, if it could be possible to work on getting supplies into the Navy Exchange cafeteria on the second floor of Mich Labs so that they have products to put out to the customers, that would be great. Thank you.

### ANSWER

The control of waste is paramount to the successful operation of any food service operation, yet I find it difficult to believe that we have gone so far as to always run out of everything.

In order to determine which areas of inventory need to be increased as of Aug. 6 we are utilizing a form to be filled out by the food service worker indicating that a sale was lost because we were out of a particular item. These slips will be forwarded to the Food Services Supervisor on a daily basis and inventory levels will be adjusted accordingly. Thanks for bringing this problem to my attention.

### And furthermore...

I recently received a note from a secretary who took me to task for signing out a memo that contained some of the newly designated no-no words and phrases, such as "implemented," "addresses are requested," and "promulgated." She is correct in her criticism. At the same time, it should be noted that SECNAVINST 5216.5C does not encourage an inefficient approach to the problem.

When correspondence comes to me and contains some of the out-dated expressions, I decide whether or not the correspondence is clearly understandable. If the answer is yes, I sign it and get it on its way. I also send an annotated copy back to the writers with a friendly reminder to get themselves up to speed with our new style. It is simply not economical in either time or cost to rewrite memos because the writer used an old word or expression as long as the message comes through.

The secretary's intent in writing to me on the subject has not been lost. Those of us who have been around a long time are sometimes slow to adapt, but we're working on it. The sooner the new instruction is implemented, uh, I mean, used, the better.

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.

# Quakes rattle local area

Local residents were reminded once more that they live on shaky land when an earthquake hit the area at 5:21 p.m. on Aug. 21.

The tremor, rated at Richter magnitude 4.5 by scientists at the California Institute of Technology in Pasadena, was felt from Little Lake south to Cerro Coso Community College, and from Walker Pass area to Trona.

The epicenter of the quake was the Airport Lake fault system, just north of Airport Lake itself on the Center's range. The only NWC structure in the area is the G-4 track; no other facilities or buildings are located in that isolated section on Navy land.

According to Dr. John Zellmer, a geologist in the Applied Geoscience

Research Branch of the Engineering Sciences Division in the Research Department, two minor tremors (about M2, he says) hit two minutes before the larger quake, but these were the only precursors. Since that Wednesday afternoon, more than 200 quakes have occurred, of which he's located the epicenters of about 70. These mainly cluster in the same fault system.

The Airport Lake fault system begins at least as far north as Owens Lake and terminates against the Little Lake fault near Armitage Airfield. Five swarms of earthquakes occurred in the Little Lake fault area nearly three years ago, including the Oct. 1, 1982 quake causing minor damage in Ridgecrest. That earthquake has been downgraded from M5.2 to M4.8 after follow-on studies by CalTech seismologists.

# Outstanding work earns awards for Code 35 personnel

Outstanding performance by two groups of personnel associated with the HARM Low Cost Seeker Program earned them Group Special Act Awards last week.

Paul Homer, head of the Electronic Warfare Department, and Roland Baker, the program manager, presented awards to George Hoppus, Dick Johantgen and Richard Fowler for their technical efforts, and to Bob Gritton, Carolyn Minnis, Laurie Saikin and Blaine Manson for their administrative support to the program.

The two teams, working under severe schedule constraints, provided support in

developing program plans, acquisition strategies and budgets. They prepared and issued a solicitation for industrial participation and then directed an extensive and thorough evaluation of proposals submitted, resulting in the award of two of the largest contracts ever awarded by the Center.

The technical team also planned and initiated execution of the Center's HARM Low Cost Seeker electrical and mechanical design efforts.

A principle mission of the Center is the design and development of lethal defense



**PARTNERS** — Richard Froelich from the Kern High School District and Gerry Schiefer, Deputy Technical Director and Laboratory Director, exchange congratulations on the completion of a successful summer training program under the Joint Partnership Training Act.

# Latest group of student workers from Kern High Schools best ever

This year's students working at NWC under the Joint Training Partnership Act were rated by all concerned as the best and brightest group since the Center joined with the County of Kern and the Kern High School District in providing summer employment for disadvantaged youth in 1979.

Of the 26 young people who completed this year's nine-week program, one has been offered a permanent job at the golf course, one plans to enter a cooperative education program and work in the Weapons Control Branch of the Weapons Department, and one will be working as a student aide in the Personnel Department while attending Cerro Coso Community College.

At a ceremony held at the Enlisted Mess Aug. 15, Beth Perrine, the Center's Deputy Equal Employment Opportunity Officer, told the young people that "You personally can do whatever you want to do if you want it badly enough."

She added that "NWC will miss you when you go. You're fun people, you did a job, and you did it very well."

Comments were also voiced by Eddie Dominguez, from the Kern County Employment Training Resource, to the students, NWC's staff and to Richard Froelich from the Kern County High School District and the staff of that district for their joint efforts.

Froelich, who served as master of ceremonies for the program, introduced two of the supervisors of the young people that were bused over from Bakersfield each Monday and taken back Fridays. The supervisors, Elaine Mikkelsen and Mary Corragio, talked about the students who

had worked in their areas, stressing how much the attitude of these youth had affected the lives of those working with them.

Luz Lambert-Shaughnessy, who spearheaded the JTPA program for the Center this summer, feels that much of the credit for its success should go to the supervisors who took the time to work with the young men and women and who saw the potential represented by this group. "They've really worked affirmative action," she noted.

Gerry Schiefer, Deputy Technical Director and Laboratory Director, represented Center Command in passing out certificates to each of the students present.

He commented that he was very pleased to hear the reports of the success of this summer's work. "Aim high and work for your goals," he told the students. "The higher you aim, the higher you'll go."

He noted that the EEO staff, the supervisors, and the parents and guardians of the student employees all deserved to be complimented for their efforts, as should the Kern High School District.

Schiefer also thanked the counselors who rode over on the bus with the students each Monday and lived in the same transient housing with them during the week. Counselors Jeannie Flores, May Thomas, and Ben McCoy received NWC paperweights as an expression of China Lake's appreciation.

To the students, Schiefer said that "I commend your professional conduct, your enthusiasm, and your willingness to learn and to contribute to the defense of your country."

"It's a neat place to work, and we'd like to have you back," Schiefer concluded.

suppression weapon systems and systems involving anti-radiation guided missiles.

The HARM Low Cost Seeker Program, a development program for a new guidance section for the HARM guided missile, represents not only an important application of advanced anti-radiation technology developed by the Center but also represents a critical move toward realizing a major goal of the United States government: an expanded and viable industrial base available for the design, development and production of anti-radiation weapons.

The commendation for the two teams noted that their conduct in executing the program's unique managerial responsibilities and authority has brought significant credit to both the teams and the Center, and has enhanced the future prospects that other weapons developmental programs will be given to the Navy laboratory community to manage.

The Center has total program management responsibility for the HARM Low Cost Seeker Program, a responsibility that is usually vested in a Naval Air Systems Command-level program office.

# USS Langley commissioned as Navy's 1st carrier

(This is the third in a series on the history of Naval aviation.)

Following Eugene Ely's initial flight, development of the U.S. Navy's first aircraft carrier was still a few years away. It

One important part of this initial attempt at an aircraft carrier in the U.S. Navy was the plan for stopping aircraft as they landed.

Using tail hoods on airplanes that engaged heavy cables (attached to a braking

system) strung across the flight deck, the Langley's trials proved so successful that such a system went on to become standard equipment on carriers from every nation.

Until the 1920s, carriers appearing on the world-wide scene had been created from cruiser, battleship, oceanliner and collier hulls. It wasn't until 1922 that the first carrier, built from the keel up as a floating airfield appeared. It was the Hosu, a 7,500 ton carrier built by Japan.

Next came the H.M.S. Hermes in 1924, commissioned by the British and capable of carrying just 12 aircraft.

It wasn't until 1933 that the United States

launched the U.S.S. Ranger, a 14,500 ton carrier that could handle up to 72 aircraft.

After World War I, the U.S. still had no plans to build aircraft carriers. Scout plans from battleships and cruisers served as eyes for the fleet make up the Navy's air arm until collier Jupiter was turned into the Langley.

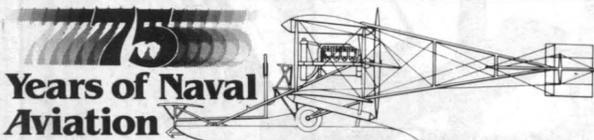
Capt. Thomas T. Craven, Director of Naval Aviation, also known as the Father of the Flattop, oversaw the conversion and, with the ship's executive officer, Cdr. Kenneth Whiting, saw the Langley join the fleet more than two years after commissioning as CV-1.

It wasn't until RAdm. William A. Moffett was named to head the newly established Bureau of Aeronautics that Naval aviation found itself a tough proponent.

The Washington Treaty of 1921 limited battleship and carrier development for the U.S., Great Britain and Japan. As a result, the U.S. converted two battleship under construction, the Lexington and the Saratoga, to aircraft carriers at the urging of RAdm. Moffett.

These two monsters, each displacing 36,000 tons, quickly made the Langley obsolete and moved both carrier development and Naval aviation into a new era leading up to World War II.

She remained in service until sunk by the Japanese early in World War II. While it was primitive by modern standards, the Langley served her purpose well as the nation's first aircraft carrier.



**75 Years of Naval Aviation**

wasn't until 1922 that the U.S.S. Langley was commissioned as this nation's first flattop.

The British with conversion of the H.M.S. Furious, a cruiser, to an aircraft carrier in 1918 beat the U.S. to the punch and followed it with the H.M.S. Argus in 1920.

The Langley, with the nickname of the "Covered Wagon," was originally designed as a collier, high-sided and blunt-ended. Atop the colliers' hull a landing deck was built as the first nearly self-sufficient floating airfield took to the sea.

This ship could make a top speed of just 14 knots and was described as having all the heavy dignity of a prairie schooner. Reports of the time said "the ungainly ship's hanger deck was open to weather on three sides and her twin smokestacks hung awkwardly over the side during air operation."

Yet the Langley provided for the U.S. the same type of test platform the H.M.S. Furious did for the British.



## China Lake Police Reports

An oil spill on the intersection of Sandquist and Inyokern Roads resulted in another kind of a spill. A motorcyclist lost control and went down in a heap.

Police were called as a result of a battery when a man kicked and hit his wife because she wouldn't get out of bed.

Loud music and party sounds resulted in three calls to the police during the past week. In one instance, loud music was quieted when police suggested that the volume be turned down. In a second instance, police were called because of a noisy party and loud music at a residence on Young Circle. When another complaint was made to the police, they returned an hour later — at 3:45 a.m. — and shut the party down.

Unknown persons removed two digital modems from Warehouse 10. The cost of these makes this a grand theft.

When one driver failed to yield the right-of-way to another at the intersection of

## Engineer saves Navy money

When Rami Wissa, an electronics engineer now in the Radio Frequency Division of the Weapons Department, found that the government was paying \$148.50 for a fixed resistor that could be purchased for 27 cents, he took action.

He called the Supply Department hotline — NWC ext. 3488 — and reported what he had discovered. The Supply Department followed up, found that he was correct and that the Navy could save a large sum on each of the Mil Type RN55D fixed resistors.

In fact, according to Capt. Norman Hensley, Director of Supply for NWC,

Decatur and First Place, the two cars collided. No injuries resulted, but the cars were damaged.

A victim reported that someone had committed a burglary by entering a residence using the telephone to make long distance calls. The juvenile suspect is in custody on other charges.

A false fire alarm set in the 2000 block of Mitcher called out the Fire Division. Police were alerted.

A citizen's traffic complaint was filed against another citizen on base for speeding and skidding tires in a residential area. The complaint will be forwarded to East Kern Municipal Court.

When one military individual attempted to enter a secured area by using the access area pass of another, the pass was confiscated. This is a security violation; a report will be forwarded to their command.

Wissa's action will result in Navy-wide savings because an excessive price report was made to the Fleet Material Support Office, which replaced the \$148.50 item with one costing just 27 cents. First year savings are conservatively estimated at \$12,800.

Under the Navy's Buy Our Spares Smart (BOSS) program, this saving put Wissa in line for a cash award, as well as a certificate denoting a Special Act or Award. The presentation was made recently by Capt. Hensley in Wissa's Michelson Laboratory office in a ceremony attended by other members of Wissa's branch, division and department.

Vandals were busy early this week. The windshield of a victim's jeep parked at Sykes Circle was broken (damage \$100); someone tore toilet paper dispensers from a wall in Michelson Laboratory (damage \$60); paint was scratched on a victim's right front fender of a vehicle parked in the east lot of Michelson Laboratory (damage \$40); and someone broke the window of a victim's camper parked in the north lot of the Headquarters Building (damage \$100).

Two minor traffic accidents causing vehicle damage but no injuries also occurred Monday and Tuesday. At the intersection of Nimitz and Halsey, the driver of a



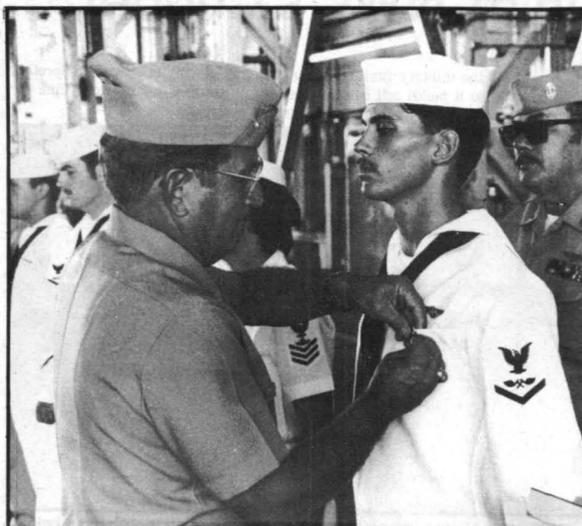
**INTERESTING DISCUSSION** — Capt. Norman Hensley, Director of Supply, listens as Rami Wissa, an electronics engineer, talks about cost of spare parts. Wissa received a special act award for calling the Navy's attention to overpricing of a resistor. — Photo by PH2 Rick

truck made an improper left turn and struck a small car, and an individual backing in the Range Control Center parking lot misjudged distance and hit another vehicle.

At Warehouse 64 someone removed \$188 from a locked cabinet.

Currency was found in the Bennington Plaza area. Anyone who can identify the amount lost and where it could have been lost can reclaim the currency at the China Lake police station.

A driver stopped by police because of no brake lights was found to have an expired driver's license and cited.



**NAVY COMMENDATION MEDAL** — AM3 Kevin M. Conger receives his Navy Commendation Medal from Capt. K. A. Dickerson, NWC Commander. Petty Officer Conger's recognition came from his work as a Search and Rescue helicopter aircrewman.



**CONGRATULATION** — Capt. K. A. Dickerson, NWC Commander, congratulates AC1 Tina Lynn Evans after presenting her with the Navy Achievement Medal at a recent military quarters ceremony. Petty Officer Evans won the medal for her work as an air traffic controller at China Lake. — Photos by PH2 Rick Moore

## Skipper presents medals to outstanding sailors

Capt. K. A. Dickerson, Naval Weapons Center Commander, presented medals to a pair of outstanding sailors during military quarters ceremonies held in Hanger Three earlier this month.

AM3 Kevin M. Conger was awarded the Navy Commendation Medal, while AC1 Tina Lynn Evans was presented the Navy Achievement Medal by the Skipper.

Petty Officer Conger's award came following his work as a Search and Rescue helicopter aircrewman on Sept. 21, 1984 during a high altitude rescue of an injured climber.

For Petty Officer Evans, the medal was in recognition of her work as the Center's Air Traffic Control Supervisor from Dec. 1, 1983 to April 30, 1985.

The citation accompanying AM3 Conger's award said he "skillfully assisted the crew chief in guiding the pilot to within three feet

of the menacing rock face, providing the confident, aggressive direction necessary to maintain a steady hover dangerously close to the sheer cliff. Disregarding his own safety, he leaned perilously out of the open door to reach down below the skids of the helicopter to lift the victim aboard."

This rescue of a critically injured climber took place at the 13,000 foot level of Mt. Sill with darkness closing in and a rapidly dwindling fuel supply that called for rapid extraction of the victim.

The certificate was signed by Adm. James D. Watkins, Chief of Naval Operations.

AC1 Evan's application of technical expertise, innovative management decisions and professionalism brought her the Navy Achievement Medal. The citation read, in part, "Her technical knowledge, conduct and accomplishments far exceed that normally expected of a First Class Petty Officer."



## Military News

## Capt. Clautice new Assistant Chief of Naval Research

Captain William G. Clautice, USN, assumed the duties of the Assistant Chief of Naval Research on July 24 at Headquarters in Arlington, Virginia.

Captain Clautice comes to his new post after serving since 1983 as Commanding Officer, Strategic Weapons Facility Pacific, Bangor, Washington. A native of Baltimore, Maryland, he graduated from the United States Naval Academy in 1959. Captain Clautice holds a Master of Science in Ocean Engineering from the University of Rhode Island, a Master of Science in Systems Management from the University of Southern California, and a Master of Business Administration from Stetson University.

Captain Clautice was assigned to USS Sarfield (DD-837) when he was commissioned. After graduating from Naval Submarine School in 1961, he reported to USS Bashaw (SS-241) on deployment in the

Western Pacific from Pearl Harbor, Hawaii. He completed nuclear power training in 1961 and was assigned to the commissioning crew of USS Sam Rayburn (SSBN-635). Two years later, he became the commissioning navigator and operations officer of USS Will Rogers (SSBN-659).

In his first break from sea duty, Captain Clautice served as Navigation Instructor, Assistant Director of the Executive Division, and Director of the Operations Division at the Naval Submarine School, New London. Next, he completed a tour in USS Dace (SSN-607), qualified as engineer of naval nuclear power plants, and was assigned as executive officer of USS George C. Marshall (SSBN-654). In 1973, he was selected for nuclear submarine command. After graduating from the Program Managers' Course at Defense Systems Management College in 1975, Captain

Clautice served in the Headquarters, Strategic Systems Projects Office until 1979 as Assistant Head of the Navigation Branch and then as Head of the Test Instrumentation Branch. Next he served as Commanding Officer of the Naval Ordnance Test Unit, Cape Canaveral, responsible for flight testing the Navy's strategic missiles until going to the Strategic Weapons Facility in 1983.

Captain Clautice has published several technical papers and has been awarded the

Legion of Merit, Meritorious Service Medal (two awards), Navy Achievement Medal (two awards), as well as the Armed Forces Expeditionary Medal, Navy Expeditionary Medal, and the National Defense Service Medal.

He and his wife, Joyce Reilly Clautice, reside in Alexandria, Virginia, and have three children: Kimberly Ann, a graduate of Mary Washington College in Virginia, Susanne Marie and James Reilly, both midshipmen at the Naval Academy.

## Naval Investigative Service established as a command

The Naval Investigative Service Command (NAVINSERCOM) was established on Aug. 8 to enhance security, counterintelligence and criminal investigations within the Department of the Navy.

NAVINSERCOM has extended powers over its predecessor, the Naval Investigative Service. Under the reorganization NAVINSERCOM remains a second echelon command but will report directly to the Secretary of the Navy and the Chief of Naval Operations instead of to the Director of Naval Intelligence. In addition, NAVINSERCOM can initiate investigations on its own.

NAVINSERCOM is divided into three directorates. The Director of Naval Security is responsible for information/personnel security and physical security, law enforcement and corrections. The directorate will include a central adjudication department which will approve all security clearances. The two other directorates are

responsible for counterintelligence and criminal investigations.

Recent headline cases alleging security violations underscore the need for expanded investigative service. Navy officials say that although these events were a catalyst to the reorganization and have speeded up the establishment of NAVINSERCOM, the reorganization was already being planned before any of these cases became public.

Headquartered in Suitland, MD., NAVINSERCOM will be commanded by Commodore Cathal L. Flynn Jr., a special warfare officer. The deputy commander will be Marine Corps Colonel George Connell.

Commodore Flynn, currently assigned to the Department of Defense Joint Special Operations Command at Fort Bragg, N.C., is the first Navy seal or special warfare officer to be selected for flag rank.

## NWC Wives' Club forming

Wives of military personnel at China Lake have the opportunity to form an NWC Wives' Club. Eva Burns, president of the VX-5 Wives' Club is ready and willing to offer her experience and assistance to women interested in beginning this new organization.

Mrs. Burns, along with Rebecca Traxler, wife of a China Lake serviceman, is looking

for others interested in a club that would provide activities for children during the holidays, social events for the entire family, and fundraisers to support these endeavors.

All military wives are invited to help in this effort, and anyone with other ideas is urged to telephone Mrs. Traxler at 446-3252, Monday through Friday from 2 to 8 p.m.

## Discount for dependents

AMTRAK has announced that effective immediately a military discount will be offered to dependents of military members traveling both with and without their sponsor.

receive a 50 percent discount off regular one-way fares. Children aged 2 to 11 will receive a 75 percent discount off the regular one-way fare. Children under the age of 2 travel free, and a standard 25 percent discount applies to the military member.

A spouse and children aged 12 to 21 will

## 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. 08-045, Secretary (Typing), GS-318-4, Code 083** — Incumbent provides secretarial support to Head, Budget Division. Promotion potential to GS-6.

**No. 09-56, Secretary (Typing), GS-318-4/5, Code 0902** — Provides support to the Demonstration Project Manager and the Administrative Office. Promotion potential to GS-5. Status eligibles may apply.

**No. 35-072, Secretary (Typing), GS-318-4, Code 3541** — Incumbent provides secretarial support to the Head, Radar Development Branch. Xerox 860 experience desired. Promotion potential to GS-5.

Previous applicants need not apply.

**No. 6202-011, Secretary (Typing), GS-318-4, Code 6202** — The incumbent provides secretarial support to the Range Department Staff Office and will be the CCP for the department. Promotion potential to GS-5 but not guaranteed. Status eligibles may apply.

**No. 64-139, Secretary, GS-318-5/6, Code 642** — The incumbent serves as personal secretary to the Division Head and provides secretarial support to the Security Telemetry Program Office and Division staff. If filled at the GS-5 level promotion potential to GS-6 not guaranteed.

## External degree program for undergraduates

While most Center personnel have long realized that it is possible to obtain graduate degrees through NWC-sponsored long term training and external degree programs, many have not been aware they also would be able to work towards an undergraduate degree through Navy sponsorship.

The Center will pay tuition for job-related courses that can also be used to meet degree requirements. These courses are offered through a variety of programs: on campus classes at Cerro Coso Community College, correspondence courses through the University of California, PLATO (computer-aided instruction), and upper division courses taught through external degree programs on board and through long term training at various colleges and universities in the nation.

The first step in taking advantage of such educational benefits is to determine a career goal. Help in making such a decision can be obtained through workshops offered by the Training Center, through information found in the Training Center Library, through courses offered on PLATO, films and videos that can be checked out from the Photo Lab Services Branch, (Code 3451, ext. 1106), and from individual educational counseling available through the Cerro

Coso Community College Counseling Center.

Once a person decides which academic career to pursue, generally taking lower division classes at Cerro Coso Community College is the next step.

NWC will pay tuition for Cerro Coso classes that are related to an individual's current job, providing a Form DD1556 is submitted in advance. The individual student must pay all other expenses such as transportation, books and supplies. Cerro Coso Community College offers Associate in Arts or Associate in Sciences degrees in 14 different fields. It is not necessary, however, to complete and take upper division courses. College credit is also possible through correspondence courses; catalogues can be found in the Training Center by telephoning NWC ext. 2648. Some PLATO courses also offer credit. A list of PLATO courses can be obtained through Belle Hervey, NWC ext. 2451.

Two external upper division degree programs are ongoing at NWC, with a third one planned for the near future. An external degree program leading to a bachelor's degree in computer science is offered locally through Cal State Chico; another in business administration through Cal State Bakersfield. The program now being planned will lead to a bachelor of science degree in electrical engineering through Cal-State Northridge. Classes for these external degree programs are taught at NWC. Those who wish to enroll should get in touch with either Steve Lee or Cecil Webb at NWC ext. 2648 for further information.

In some fields that are critical for the Center and not available through local programs, off-Center fellowships leading to a bachelor's degree are also possible. For more information contact Nancy Saxton, NWC ext. 2349 or Tina Deal, ext. 3793.

If you would like more information, a pamphlet entitled "Getting Ahead! NWC Undergraduate Academic Planning Handbook" is available from Code 094.

## Chico advisor visits Center

Dr. Orlando Madrigal of Cal-State University Chico will be on-Center, Thursday, September 19, to advise current and prospective students in the external degree programs offered by the school.

Cal-State University Chico has external degree programs in computer science which lead to bachelor's and master's degrees. Those who wish to see Dr. Madrigal are asked to make an appointment by telephoning Kit Driscoll, Ext. 2648.



## Personnel Development Opportunity

### CALIFORNIA STATE UNIVERSITY, BAKERSFIELD, ADVISORS TO BE HERE

Dr. Roy Dull, Dr. James Vigen, and Dr. Richard Graves, of Cal-State Bakersfield, will be on-Center Tuesday, 10 September, to advise current and prospective students in the external-degree programs offered by that school.

External-degree programs offered at NWC by CSB include a bachelor's degree in business administration and a master's degree in public administration. The school also provides math courses in other external-degree programs at NWC.

To make an appointment with one of the counselors, call Kit Driscoll, ext. 2648. (Code 094)

### ENGLISH AS A SECOND LANGUAGE I

16 September-16 December, Mondays, 1500-1700. Code 09 Conference Room. By: Lumin Godby.

Prerequisite: A college degree or consent of the instructor.

Scope: Designed to help second-language learners become familiar with the phonetic system, basic stress and intonation patterns, and word-order structures in the English language. Emphasis will be on improving oral communication skills through audio-lingual drills and situational dialogues.

Note: Non-NWC employees will be allowed in this class on a space-available basis.

Deadline: 2 September.

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

## Recent additions

CODE	NAME	TITLE
0841	Cruz, Edwin L.	Computer Systems Analy.
0852	Pickens, Joseph R.	Laborer
08612	Jackson, Deborah J.	Clerk-Typist
08613	Herrera, Ethel L.	Clerk-Typist
087	Pearsall, Mary K.	Clerk
09	Kardos, Joyce A.	Secretary (Typing)
1433	Simshauser, Ann M.	Computer Operator
24322	Garrison, Carol K.	Clerk-Typist
24322	Weeks, Denise M.	Clerk-Typist
2522	Hartley, Sheryl L.	Clerk-Typist
26022	Jacobs, Wray O.	Computer Programmer An.
2611	Green, Doris A.	Clerk
26423	Fortney, Jess R.	Industrial Eq. Mechanic
26446	Burns, William S.	Electrician
26446	Sinclair, Michael E.	Telephone Mechanic
3108	Scott, James A.	Quality Assurance Spec.
3152	Kibbe, Marion P.	Mathematician
3193	Havig, Kevin K.	Mathematician
3333	Youngs, Kenneth C.	Electronics Engr.
3431	Howard, Raquel	Clerk-Typist
3524	Pande, Janet	Computer Scientist
3525	Morgan, Willie J. Jr.	Mechanical Engr.
3608	Fuller, Barbara J.	Clerk
3608	Hill, Janis M.	Clerk
36223	Biggs, John T.	Engrg. Tech.
3644	Brown, Roger L.	Machinist
3651	Gillen, Carolyn S.	Data Transcriber
3681	Robertson, Michael	Qual. Assurance Spec.
3682	O'Donnell, Donald J.	Qual. Assurance Spec.
3682	Sherman, Joyce C.	Qual. Assurance Spec.
3921	King, Walter B.	Student Trainee (Engrg.)
3926	Lewis, Daniel E.	Mathematician
62132	Cordova, Dennis J.	Electronics Mech. Helper

## Recent departures

09803	Johnson, Barbara D.	Computer Clerk
2522	Cirotski, Jennifer L.	Clerk-Typist
26025	Paulsen, Cheryl L.	Secretary (Typing)
26433	Tankersley, Woodie C.	Boiler Plant Opr.
343	Gaunt, Jody J.	Computer Clerk
3892	Gutmark, Ephraim	Expert
3915	Lee, Carol N.	Mechanical Engr.
3918	Feist, Barney F.	Mechanical Engr.
39B3	Hofer, Timothy A.	Mechanical Engr.
62223	Warren, Cleave R.	Ordnance Equip. Mech.



# Personnel News & Notes

No. 28, August 30, 1985

Naval Weapons Center, China Lake, California 93555-6001

## 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 Knowledges/Skills/ Abilities (KSAs) cited in the ad. Write the position title/series/level and announcement number of the SF-171 and all attachments. Be sure that your forms are complete and accurate since you cannot be rated on missing data nor will you be contacted for additional information. Be certain the SF-171 and supplement are dated and have original signatures in ink.

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

**No. 00-017, Audit Assistant, GS-503-6/7, Code 002** — This position is located in the Office of the Commander, Internal Review Staff. The incumbent performs technical audit duties including cash counts of change funds authorized to the various activities of the Employee Services Board, the Special Services Division, and the Military Messes. Performs surprise counts of cash funds and supporting documents; prepares letters of report on all cash counts; participates in inventories conducted at the Military Messes, B.O.Q., Consolidated Package Store, and Special Services; and performs other audit duties as specified by the Head Code 002. **Job Relevant Criteria:** ability to work with figures; ability to maintain high level of accuracy in work requiring close attention to detail; ability to convey ideas both orally and in writing; ability to apply and understand the effect of prescribed procedures; skill in questioning unusual actions or in obtaining information to support or verify questionable actions. If filled at the GS-6 level, promotion potential is to GS-7, but not guaranteed.

**No. 08-046, Budget Clerk/Assistant, GS-561-4/5, Code 083** — Incumbent will provide fiscal clerical support to the branch or any of the departments it serves. Incumbent assists in preparing overhead budgets, gathers financial and accounting data, monitors expenses on customer order/job order numbers, assists the department in processing travel orders and/or material requisition actions. **Job Elements:** Ability to meet deadlines under pressure; ability to work rapidly and accurately; ability to work with figures; and knowledge of accounting or budget clerical procedures.

Promotion potential to GS-6. Status eligibles will be considered.

**No. 09-57, Organization Development Specialist, DA-301-3, Code 0904** — Incumbent advises managers and specialists regarding the most effective techniques for initiating and implementing organizational change by applying behavioral science and management techniques, such as organization assessment, organization design, strategy planning, conflict management, team building, problem solving models, and behavioral coaching. **Elements:** Knowledge of a variety of Technical Programs and NWC Administrative Systems; of management functions and organization development processes. **Ability:** to diagnose problems and develop alternative strategies for resolution; to work at all levels of the NWC organization; to give and receive "difficult-to-hear" feedback. **Skill:** in presenting information orally before groups. Possession of an academic degree highly desirable. Promotion potential to DP-3. Supplement is required and can be picked up in Room 100 of the Personnel Building.

**No. 09-58, Personnel Management Advisor, DA-201-1/2/3, Code 096/097** — Provides advice, counsel, and staff support to line managers in all aspects of personnel administration. **Elements:** Ability: to learn the five personnel functional specialties (Employee Relations, Staffing, Classification, Employee Development, and EEO); to function independently; to analyze complex problems and recommend a sound solution; to learn, understand and apply complex regulations. **Skill:** in interfacing effectively with people at all levels; in written and oral communications. Promo-

tion potential to DP-3. Status eligibles may apply.

**No. 14-134, Interdisciplinary Physicist/Computer Scientist/Mathematician/Electronics/Aerospace/General Engineer, DP-1310/1550/1520/855/860/801-2/3, or Computer Systems Analyst, DS-334-2/3, DP-334-3, Code 1412** — This position is that of Technical Manager for the Software Engineering Environment-Insertion of Technology (SEE-IT) Project, located in the S&E Applications & Tools Branch (Code 1412), User Technology and Applications Division, in the Information Systems Group. The SEE-IT project involves requirement analysis, design, and procurement/development of software engineering tools for VAX and IBM PC-compatible workstations. The incumbent coordinates and manages the technical tasks such as prototype hardware/software evaluations, system and requirements analysis, managing workstation configuration, system procurement, and the technical liaison with S&E users across the Center. Serves as the point of contact for the project as it relates to other DOD and local efforts. **Job Elements:** Experience in software development; ability to deal effectively with all levels of Center personnel; familiarity with MS-DOS operating system, VAX and IBM PC-compatible hardware and software desirable. Promotion potential to the DP-3 level, if filled at the DS-2/3 or DP-2 level, is not guaranteed. Status eligibles may apply.

**No. 14-138, Computer Engineering Technician, DT-802-A, Code 1411, Part-Time Position** — Incumbent will perform duties in the Personal Computer Laboratory (PC Lab). Duties include demonstrating the use of various makes and models of personal computers and associated software. **KSAs:** Knowledge of digital and computing systems (both hardware and software). **Abilities:** to deal effectively with people of all levels; to interpret and use manufacturer's user manuals. Promotion potential: DT-2.

**No. 24-155, Security Clerk, GS-303-4/5, Code 24311** — This position is located in the Physical Security Branch of the Security Division Safety and Security Department. The incumbent is assigned to the Foreign Visitors Office, and as such implements the administrative and technical requirements for the Foreign Visitor Office and applies security policies in carrying out the requirements for the processing of the Center's foreign visitor programs. **Elements:** Knowledge of Naval Security and Department of Defense Policies and Regulations and Naval Weapons Center security practices and procedures as they apply to foreign visitors. Knowledge of physical and personnel security requirements. Ability to apply tact, diplomacy, and skills required to deal with and maintain liaison under adverse, stressful conditions with personnel of all levels of government and private industry. Promotion potential to GS-5.

**No. 25-083, Contract Price Analyst, DA-1102-1, Code 25203** — This position is an entry level position in the 1102 career field. It is located in the Technical Support Office of the Contracts Division, Supply Department. The incumbent, under the close supervision of senior contract price analysts and contract specialist, is provided with progressively responsible experience in analyzing cost and pricing proposals from contractors and assisting in developing the Government's position for negotiations. Experience will be gained in all facets of government contracting including R & D, production, service and ADPE contracting. **Job Relevant Criteria:** Knowledge of business practices. **Ability:** to meet and deal effectively with people; analyze facts, alternatives and problems and make decisions based on this analysis; speak and write effectively; prioritize and process in an orderly manner multiple tasks simulta-

neously. Status eligibles may apply. Promotion potential to DP-3.

**No. 31-193, Interdisciplinary Electronics Engineer, DP-855/Physicist, DP-1310/Mathematician, DP-1520/Operations Analyst, DP-1515-3/4, Code 3158** — This position is that of project engineer for advanced development of target recognition systems for missiles. The incumbent will be responsible for the transition of current targeting technology into air-to-air and air-to-surface missiles, especially anti-shiping missiles. The task requires experience in missile guidance systems, signal processing, and project management. Experience and training in radar systems, pattern recognition, infrared sensor (FLIRs/IRSTS), advanced computer systems, tactical computers, structured software design, ADA, and systems or operations analysis would be beneficial. The Targeting Division (Code 315) will be looking at a possible parallel implementation of targeting system with and without VHSIC. **Elements:** Skill in algorithmic system development, project engineering/management, signal processing, and analysis. Ability to produce professional reports and briefings. Ability to work well with management and highly technical personnel. Promotion potential to DP-4 but not guaranteed.

**No. 31-195, Administrative Officer, DA-341-1/2/3, Code 31102** — This position is the Administrative Officer for the Avionic Facilities Division, Aircraft Weapons Integration Department. The incumbent identifies administrative and management problems within the scope of the division and recommends alternatives. Incumbent is responsible for project and overhead financial management, personnel management, contract management, equipment acquisition, and space resource planning and projection, and participates in division and department administrative and management meetings. The incumbent also provides direction and guidance to the administrative staff. **Job Relevant Criteria:** Ability to exercise fiscal controls under NIF System; knowledge of personnel standards and functions; ability to review and monitor contracts/procurements. Ability to administer management policies and guidelines. Promotion potential DA-3.

**No. 31-197, Electronics Technician, DT-856-2/3, Code 3144** — This position is as a technician in the F/A-18 Facility Branch, Avionic Facilities Division of the aircraft Weapons Integration Department. The F/A-18 Facility Branch provides the simulation and integration test environment and work stations for the development, test, validation, verification and modification of operational flight programs exercised in the tactical computers of the F/A-18 aircrafts. The incumbent will perform as a technician for the Weapons Systems Support Facility Shop. Duties will include the mechanical and electronic fabrication of hardware subsystems; the troubleshooting and repair of electromechanical and hardware components. Work will be accomplished from blueprints, drawings, sketches, and verbal instructions. **Required Background/Experience** — Knowledge of electronic design and fabrication. Knowledge of electronic troubleshooting. Ability to communicate in writing. Promotion potential DT-3.

**No. 31-198, Interdisciplinary Supervisor, Physicist/Electronics Engineer, DP-1310/855-3, Code 31142** — This position is the head of the hardware systems development section which is located in the F-18 Facility Branch, Avionic Facilities Division of the Aircraft Weapons Integration Department. The F-18 Facility Branch provides the simulation/integration test environment and workstations for the development, test, validation, verification and modification of

operational flight programs exercised in the tactical computers of the F/A-18 aircraft. The incumbent will be responsible to the branch head for the planning, development and implementation of F-18 WSSF hardware and avionics systems. The prime function of this position will be to technically supervise and design, documentation, fabrication, testing and maintenance of F-18 WSSF hardware systems. This hardware includes both digital and analog subsystems that are to be developed WSSF workstations. The incumbent will be required to conduct hardware design reviews with Center and contract personnel. **Job Relevant Criteria:** Ability to supervise and provide leadership to a multi-disciplined group of electronics engineers and technicians; to plan, schedule, and coordinate work as a part of a major project; skill in formalized hardware design, documentation and maintenance standards and practices; skill in Fletcher digital design techniques is highly desirable; Knowledge of avionics systems and digital design; willingness to support NWC EEO policies and goals. Promotion potential is DP-3.

No. 31-200, Electronics/Aerospace Engineering/Mechanical Engineering Technician, DT-856/861/802-3, Code 3144 — This position is in the Weapons Integration Branch, Systems Integration & Evaluation Division, Aircraft Weapons Integration Department. The incumbent will perform weapons integration for the A-6F Program. Duties will include analysis of proposed A-6F avionics system design, assessment of design implementation to assure optimum weapon control system performance with respect to weapon requirements, development of aircraft weapon integration and weapon control system requirements, formulation of laboratory, ground, and flight test requirements pertinent to A-6F weapons, and support of A-6F testing at NWC, contractor facilities, and other government activities. Performance of these duties will require the incumbent to acquire a thorough working knowledge of the operation of the A-6F avionics system and a wide range of weapon systems in a timely manner. Frequent contact will be required with sponsors, aircrew personnel, contractors, other NWC organizations, and other government agencies for the exchange of technical information and for coordinated participation in A-6F development and testing activities. **Job Elements:** Knowledge of electronics pertinent to weapon systems, avionics systems, systems integration, electrical interfaces, and testing. Skill with one or more modern weapon systems (e.g. HARM, Harpoon, Maverick, AMRAAM, etc.) is desired. Ability to communicate both orally and in writing; to work effectively with others; and to work independently on multiple diverse assignments. Promotion potential DP-3.

No. 31-202, Clerk-Typist, GS-322-3/4, Code 3109 — Incumbent provides clerical assistance to the Mission Systems Program Office. Duties consist of receiving and screening visitors and incoming phone calls; receiving, opening, and screening mail; typing official letters, memoranda, and reports; maintaining office files; performing timekeeping duties; etc. **KSAs:** Knowledge of NWC clerical office procedures, policies, and processes. Ability to perform receptionist and telephone duties. Promotion potential to GS-4. Status applicants may apply.

No. 31-203, Interdisciplinary Supervisor, General Engineer/Computer Scientist/Electronics Engineer/Mathematician/Physicist DP-801/1550/855/1520/1310-3/4, Code 311 — This position is that of Associate Division Head, Avionics Facilities Division, Aircraft Weapons Integration Department. The division develops, maintains, and operates simulation/integration facilities to support the A-4/AV-8, A-6, A-7, and F/A-18 Weapons System Support Activities (WSSAs) in their roles of technical assistance, requirements definition, system development, weapons system integration, validation, and Fleet support. Facilities development includes system architecture, hardware engineering, facility software

engineering, and simulation software. In addition to aircraft specific facilities, the division provides a general facility for software and hardware tools which span all projects. **KSAs:** Knowledge of Weapons Systems Support Activities (WSSAs) mission requirements; of avionics facilities hardware and software analysis, design, and operations. Ability to communicate effectively with all levels both orally and in writing. Knowledge of NWC EEO Policies and goals. Potential to DP-4, but not guaranteed.

No. 33-028, Supervisory (Interdisciplinary), General/Electronics/Mechanical Engineer, DP-801/855/830-3/4, Code 3352 — This position is head, Air-Launched Weapons Fuze Branch. Functions of the branch are: Design, develop, test, evaluation, and document electromechanical fuzes, safety-arming devices for air-launched weapons and rocket motor arm-firing devices for Navy missiles. Provide technical support to SYSCOMS and Fleet for entire life cycle of fuzes, S-A/A-F devices. **Job Relevant Criteria:** Knowledge of electromechanical systems, engineering development and production processes; ability to direct, train, and provide leadership to a multidisciplinary group; communicate clearly and effectively both orally and in writing; interface with sponsors, contractor's and NWC management; willingness to support NWC EEO goals and policies. Promotion potential is DP-4, however promotion is subject to review and approval of Center Management. Reassignment only at DP-4 level.

No. 33-029, Computer Operator, GS-332-4/5, Code 3314 — This position is located at the Encounter Simulation Laboratory (ESL) in Norco, CA. The employee operates the range control console and associated computers. During range operations, the employee controls the data acquisition system of an automated indoor test facility. The employee is responsible for safety of equipment and personnel on the test range. The employee has to be attentive to detail during repetitive operations. When the range is not in operation, the employee operates the data reduction computer and maintains test data logs. The employee assists the computer system managers with periodic backup and other routine tasks. **Job Relevant Criteria:** 1) Knowledge of VAX, PDP and HP-1000 computers is desired, 2) ability to follow written and verbal instructions; and 3) skill in operating a computer key board. If filled at GS-4 level, promotion potential is to GS-5, but not guaranteed.

No. 33-030, Security Clerk, GS-303-4/5, Code 3302 — This position is located in the Fuze and Sensors Department Staff Office. The incumbent will perform the following duties: (1) custody control point for the department; (2) assistant security coordinator; (3) focal point for personnel actions and status; (4) receives and processes incentive awards and serves as secretary to Department Awards Panel; (5) performs other administrative duties as required. **Job Elements:** knowledge of security procedures and control; personnel procedures; ability to plan, organize and accomplish work independently; ability to perform a variety of clerical/staff functions. If filled at GS-4 or GS-5 level, promotion potential is GS-6, but not guaranteed. Status eligibles may apply.

No. 35-084, Computer Specialist, DS-334-1, Code 3511 — Incumbent supports a large VAX missile simulation system for the Highspeed Anti-Radiation Missile (HARM) Systems Software Support Facility (SSSF). Incumbent will be responsible for installing new custom and commercial software releases, providing release documentation and support, providing and implementing all relevant backup procedures, and developing software (Pascal, VMS, FORTRAN) as needed for special problems. This branch supports this work with state-of-the-art software and hardware tools for planning, development, measurement, configuration management, and documentation. **KSAs:** Knowledge of VAX VMS operating system, command language, and procedures; computer languages including

Pascal and FORTRAN; computer backup and baselining procedures and policies; NWC procurement system. Ability to plan and carry out software and user file maintenance of a multiple-VAX installation; work with a multi-disciplinary staff and to work with personnel at all levels; procure software and to task a support staff; present plans to on-Center sponsors. Promotion potential: DS-2.

No. 35-085, Supervisory Interdisciplinary (Electronics/Aeronautical/Mechanical/General Engineer/Physicist), DP-855/861/830/801/1310-3/4, Code 35063 — Position located in the HARM Technical Management Office. Incumbent acts as the HARM Avionics/Aircraft Systems Manager. Responsibilities include planning, scheduling, budgeting, direct supervision and coordination of technical government and contractor support for the following efforts: a) initial and continuing integration of the HARM missile on A-7, A-6, EA-6, F/A-18 and new aircraft; b) HARM avionics and system interfaces block design changes; c) initial and continuing integration of HARM with other EW systems (jammers, radar warning receivers, etc.); d) Chair Operational Advisory Groups for HARM Avionics and ELINT; e) establish flight test requirements for on-going programs; f) detailed analysis of flight tests (captive and live firing) from system/interface level. **KSAs:** Knowledge: air-launched weapon systems and aircraft with emphasis on avionics and systems level experience; electronic warfare applicable to anti-radiation missiles and on-board EW systems; contracting process. Abilities: supervise directly as well as work across organizational lines and coordinate efforts of multiple contractors and government personnel; effectively communicate with Center and NAVAIR management, contractor, and user communities. Willingness to support NWC EEO policies and goals. If selection is made at the DP-3 level, this position has promotion potential to the DP-4 level; however, it is not guaranteed. Candidates for DP-4 level will be eligible for selection on a reassignment basis.

No. 36-296, Computer Specialist, DS-334-1/2/3, Code 3657 — Incumbent assists the Computervision facility system manager with day-to-day CAD/CAM system management functions and troubleshooting. This includes interfacing with the service center's customers at both the central facility and remote sites. **Elements:** Knowledge: of basic system management functions; or retrieval of files from backup and archive tape libraries; of building disk packs from software tapes; of installing new software releases and verifying software performance; of performing customer maintenance functions. Ability: to design tests and analyze results in order to isolate/identify problems; to execute logical progression of actions toward a solution; to document problem symptoms and solutions for future reference; to communicate effectively with people. Promotion potential to DS-3.

No. 36-297, Laborer, WG-3502-3, Code 3648 — Incumbent will perform manual labor involving heavy exertion and some skills with metal cutting equipment such as saws and shears. Must be able to operate a forklift, truck, overhead crane, and other related equipment. **Elements:** Ability: to continually move (including lifting, pulling, tugging, pushing, etc.) heavy items weighing in excess of 100 pounds; to bend and stoop. Promotion potential to WG-3. Supplemental is required and may be picked up in Room 100.

No. 36-300, Computer Assistant, GS-335-5/6, Code 3664 — This is a "bridge position" which provides qualifying experience to allow the incumbent to develop a career field as a Computer Specialist. The incumbent participates in a career development program to learn DOD, Navy, Center, and Department standards and policies pertaining to software/systems product assurance; principles and practices of data and configuration management for software bases systems; quality assurance

techniques for software bases systems; and principles and practices of systematic structure computer software development. **Elements:** Knowledge: of the Engineering Department organization and product line. Ability: to learn and follow standards, instructions and procedures pertaining to software product assurance; to communicate and work effectively with people throughout the organization; to learn and employ video display terminals for computer entry and manipulation of text and data. Promotion potential to DA-3.

No. D-38-013, Supervisory Research Chemist, DP-1320-3/4, Code 3858 — This position is that of branch head of the Polymer Science Branch. Incumbent is responsible for the supervision, direction and management of personnel performing basic and applied research in the fields of polymer chemistry, composite materials and propulsion systems. **Critical Elements:** Experience in performing basic and applied research in polymer chemistry; knowledge of and willingness to support NWC AAP and EEO policies and goals; ability to supervise and manage diverse technical programs; ability to communicate in writing; ability to prepare and deliver verbal presentations and briefings. M.S./PH.D. in chemistry or equivalent highly desirable. If position is filled at the DP-3 level, promotion potential to DP-4 not guaranteed.

No. 39-083, Electronics Engineer, DP-855-1/2, PAC No. 8539684E, Code 3925 — This position is located in the RPV Technology Branch. The incumbent will provide engineering support to the QF-X, and QF-86F Full Scale Aircraft Target programs. Additional projects within the branch are QF-4, Robotics, Artificial Intelligence, Autonomous RPV's and Formation Control of aerial targets. This position will require effective oral and written communication with other NWC branches, government facilities, and contractors; planning, scheduling, and budgeting; and a basic understanding of government documentation. A knowledge of microprocessors and autopilot systems is desirable. Promotion potential to DP-3.

No. 39-084, Clerk Typist, GS-322-3, PD No. 8539052, Code 3943 — Incumbent will provide clerical, typing and receptionist support to the personnel of the Optical Signatures Branch. Incumbent will perform these duties utilizing word processing equipment. Incumbent will also perform mail handling, filing, duplication, preparation of time cards and other Navy form preparation, and make travel arrangements. Ability: to communicate effectively, to deal tactfully with all levels of personnel, to type, to organize and carry out a variety of duties with considerable flexibility. Promotion potential GS-4.

No. 39-085, Intelligence Research Specialist, DS-132-1/2, PAC No. 8539681N15, Code 3942 — Incumbent serves as IR Image Data Manager. Responsibilities include collecting, analyzing, categorizing, and managing IR Image Data for subsequent synthesis and/or creation of a set of IR images that support algorithm development. Must be able to operate video, digitizing, and computer equipment. **KSAs:** are knowledge of ship types and classes, knowledge of IR image analysis and reduction techniques, ability to perform Data Base Analyst/Programmer functions. Promotion potential to DS-3.

No. 39-086, Administrative Officer, DA-341-2/3, Code 391 — This position is that of Administrative Officer for the Weapon Synthesis Division of the Weapons Department. The incumbent provides administrative support to the division and is responsible for project overhead financial management, contract management, personnel management, equipment management, facilities planning, and procurement. **Job Relevant Criteria:** ability to exercise fiscal controls under NIF system; knowledge of personnel standards and functions; ability to review and monitor contracts/procurements; ability to handle varied administrative and management problems. Promotion potential to the DA-3.

No. 61-060, Computer Assistant, GS-335-5/6, Code 614 — Incumbent inputs ordnance transactions in to ordnance computer program. Runs reports, programs, and inventories. Checks results for accuracy and proper procedures. Researches, produces proper files and updates. Prepares and modifies reports and runstreams. Performs data base maintenance via S2K. **Job Elements:** Knowledge of the UNIVAC operating system, knowledge of computer languages, including COBAL. Ability to work with little or no supervision. Status eligibles may apply. Previous applicants need not reapply.

No. 62-092, Electronics Technician, DT-856-1/2/3, DT-A-1/2/3, Code 6236 — This position is located in the Radar Branch, Instrumentation Division, Range Department. The incumbent will operate, repair, modify, maintain and calibrate radar systems, subsystems and related equipment. **Job Relevant Criteria:** Knowledge of Nike, Hercules, Western Electric radar family, RCA and FPS-105 Radar, knowledge of application, design and maintenance of RF threat simulation; Knowledge of digital circuits and computer applications. Status eligibles may apply. Multiple positions. Previous applicants need not apply.

No. 62-103, Supervisory Interdisciplinary (Electronics Engineer/Computer Scientist), DP-855/1550/3, Code 6235 — Serves as head of Projects Section, Range Develop-

ment Branch. Responsibilities include integrating and managing a VAX computer system, defining improvements to existing TSPi systems, organizing software programs for OADS system, analyzing OADS math algorithms, developing new range instrumentation systems. Knowledge of instrumentation interface hardware, real-time operating software for embedded computers, & radar systems. Ability to perform as a first line supervisor, knowledge of affirmative action policies including the willingness to support EEO goals. Previous applicants need not apply.

No. 621-077, Electronics Technician, DT-856-2/3, Code 62143 — This position is located in the Electronics Section, Warhead Test Branch, Ordnance Test & Evaluation Division, Range Department. The work of the section involves the static test and evaluation of warheads and explosives. This position supports the branch in the setup, operation, and maintenance of data acquisition electronics, timing sequencers and flash x-ray equipment. Typical equipment and devices include: Uses Tape recorders; digital oscilloscopes; plotters; transducers; signal conditioning equipment; and timed sequencers. Willingness to work out-of-doors and near ordnance. **Job Relevant Criteria:** Knowledge of electronic instrumentation techniques; ability to work alone and as part of a team. Status eligibles may apply.

## 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. 08-042, Operations Research Analyst, DP-1515-2/3, Code 081 — The positions are located in Central Staff, Weapons Systems Cost Analysis Division. Primary activities include the development of cost estimating relationships and/or specialized cost models based on cost as a function of system/subsystem, physical/technical/performance parameters, or as a function of an industrial engineering type assessment of drawings, specifications, etc. Promotion potential to DP-3, but not guaranteed. Send current SF-171 to Bob Garrett, Code 081, ext. 3223. Previous applicants need not reapply.

No. 14-001R, Interdisciplinary (Electronics/Electrical Engineer/Computer Scientist/Physicist), DP-855/850/1550/1310-2/3, Code 1421 — Position is as a Network Management Engineer. Prime function of this position will be to analyze, plan, and design the network management for the Centerwide Integrated Communications System. This includes the control, management, maintenance, and administration of the Fiber Optic Trunk System, the central HUB, local area networks, outlying NODES, and interfaces. Promotion potential: DP-3. To apply, send an updated SF-171 to Clint Seal (Code 1421), NWC ext. 1303.

No. 14-002R, Interdisciplinary (General/Electronics/Electrical Engineer/Physicist), DP-801/855/850/1310-2/3, Code 1421, Multiple Vacancies — Prime function as a Network Project Engineer will be to analyze user requirements, plan, design, specify and integrate communications systems with emphasis on Local Area Networks as part of Centerwide Integrated Communications System (e.g., Fiber Optics Trunk, Digital Switch, high speed data and video networks). Incumbent will also analyze technology trends for LAN systems as it relates to existing and planned corporate NWC networks. Promotion potential: DP-3. To apply, send an updated SF-171 to Clint Seal (Code 1421), NWC ext. 1303.

No. 31-196, Electronics Engineer, DP-855-2/3, Code 31142 — This position is in the Hardware Systems Development Section which is located in the F-18 Branch, Avionics Facilities Division of the Aircraft Weapons Integration Department. The F-18 Facility Branch provides the simulation/integration test environment and workstations for the development, test, validation, verification and modification of operational flight programs exercised in the tactical computers of the F/A-18 aircraft. The incumbent will be responsible for the planning, development and implementation of F-18 WSSF hardware systems. This hardware includes both digital and analog subsystems that are to be developed for WSSF workstations. To apply for this position forward a current SF-171 to B. Mierla, Code 31102, NWC ext. 5219.

No. 31-199, Interdisciplinary Electronics/Aerospace/Mechanical/General Engineer/Computer Scientist/Physicist/Mathematician, DP-855/861/830/801/1550/1310/1520-2/3, Code 3144 — This position is in the Weapons Integration Branch, System Integration & Evaluation Division, Aircraft Weapons Integration Department. The incumbent will perform Systems Engineering for the A-6F Stores Management System (SMS). Duties will include planning, coordination, and performance of analysis of SMS hardware/software design, assessment of design implementation to assure optimum SMS performance; and support of A-6F testing at NWC, contractor facilities, and other government activities. Frequent contact will be required with sponsors, aircrew personnel, contractors, and other government agencies for the exchange of technical information and for coordinated participation in A-6F development and testing activities. To apply, send updated SF-171 to R. J. Anderson, Code 3144, NWC ext. 5980.

No. 31-201, Interdisciplinary Electronics/Aerospace/Mechanical/General Engineer/Physicist, DP-855/861/830/801/1310-2/3, Code 3144 — This position is in the

Weapons Integration Branch, System Integration & Evaluation Division, Aircraft Weapons Integration Department. The incumbent will perform weapons integration for the A-6F Program. Duties will include analysis of proposed A-6F avionics system design; assessment of design implementation to assure optimum weapon control system performance with respect to weapon requirements; development of aircraft weapon integration and weapon control system requirements; formulation of laboratory, ground, and flight test requirements pertinent to A-6F testing at NWC, contractor facilities, and other government activities. Performance of these duties will require the incumbent to acquire a thorough working knowledge of the operation of the A-6F avionics system and a wide range of weapon systems in a timely manner. Frequent contact will be required with sponsors, aircrew personnel, contractors, other NWC organizations, and other government agencies for the exchange of technical information and for coordinated participation in A-6F development and testing activities. Experience with one or more modern weapon systems (e.g. HARM, Harpoon, Maverick, AMRAAM, etc.) is desired. Applicant must have the ability to communicate, both orally and in writing, to work effectively with others, and to work independently on multiple diverse assignments. To apply, send updated SF-171 to R. J. Anderson, Code 3144, NWC ext. 5980.

No. 35-086R, Interdisciplinary (General/Mechanical/Electronics/Aerospace Engineer/Mathematician/Physicist), DP-801/830/855/861/1520/1310-2/3, (2 positions), Code 3514 — Incumbent will participate in the flight test analysis effort for HARM and Low Cost Seeker. Duties will include acquisition, reduction, and analysis of flight test data. Applicant should have interest in analysis and flight simulation. Knowledge of control theory is desired. To apply, send an updated SF-171 to John Irving (Code 3514), NWC ext. 3977.

No. 36-299, Interdisciplinary Computer Scientist/Electronic Engineer/Mathematician/Physicist, DP-1660/855/1520/1310-1/2/3, Code 36222 — Incumbent will be responsible for the design and development of test methods and programs for 68000 based, multiple processor real-time software. Tests will be conducted on the bench, in the field, and in the air. Test programs will be implemented in 6800 Assembly and Pascal on a Tektronix Development System and VAX 780. Incumbent will become familiar with both the hardware and software designs. Willingness to work closely with hardware and software, knowledge of good programming practices, and ability to work as a team member desirable. Submit current SF-171 to Cheryl Preul, Code 36209.

No. 36-298, Computer Scientist, DP-1550-1/2/3, Code 3657 — Incumbent assists the Computervision facility system manager with day-to-day CAD/CAM system management functions and troubleshooting. This includes interfacing with the service center's customers at both the central facility and remote sites. The ability to communicate effectively with people is a vital factor. Incumbent will be responsible for designing tests and analyzing results in order to isolate/identify problems and determine logical progression of

actions toward solutions, and documenting problem symptoms and solutions for future reference. Submit current SF-171 to Judy Thornberry, Code 36502.

No. 39-082, Interdisciplinary General, Mechanical, Aerospace Engineer, PAC No. 8539689E53, DP-3, Code 39B3 — The incumbent performs systems engineering functions and manages the advanced configuration task for the AIM-9 Airframe Mods Program. To perform this task the applicant should have a broad general engineering background and be able to manage and direct the efforts of other project engineers in the areas of design, system synthesis, system simulation, structural analyses, design documentation, and planning. Experience in several of the following areas is required: missile design requirements, aircraft/weapon integration, computer simulation, computer design analysis, procurement processes, and development program planning. The incumbent will assist in the planning, research, and development of the AIM-9 Airframe Mods Program, as well as coordinating the advanced configuration task. Please send SF-171's to Marsha St. Louis, Code 39B3.

No. 39-081, Interdisciplinary General, Mechanical, Aerospace, Physicist, PAC No. 8539688E53, DP-3, Code 39B3 — The incumbent performs systems engineering functions and manages the insensitive munitions task for the AIM-9 Airframe Mods Program. To perform this task the applicant should have a broad general engineering background and be able to manage and direct the efforts of other project engineers in the areas of warhead/motor design, system synthesis, system simulation, structural analyses, design documentation, and planning. Experience in several of the following areas is required: missile design requirements, aircraft/weapon integration requirements, system hazards analyses, warhead and rocket motor design requirements, procurement processes, and development program planning. The incumbent will assist in the planning, research, and development of AIM-9 Airframe Mods Program, as well as, coordinating the development of advanced, insensitive munitions for the Sidewinder missile. Please send SF-171's to Marsha St. Louis, Code 39B3.

No. 39-080, Interdisciplinary General, Mechanical, Aerospace Engineer, DP-1/2/3, PAC No. 8539687E53, Code 39B3 — The incumbent performs project engineering functions and assists the development managers in conducting advanced missile systems and insensitive munitions design studies; developing missile design documentation; and participating in detailed missile hardware design, analyses, and tests for the AIM-9 Airframe Mods Program. A general knowledge of and capability in using computer-aided engineering tools, such as, the SDRG I-DEAS package, NASTRAN, ABAQUS, SINDA, and PATRAN is required. To perform this task the applicant should have a general engineering background and be able to perform and monitor efforts in the areas of design, system synthesis, system simulation, structural analyses, design documentation, and planning. Opportunities exist to develop capabilities in structural dynamics, missile loads, and missile aeroelasticity analyses. Please send SF-171's to Marsha St. Louis, Code 39B3.

## Northridge advisor here

Dr. Jagdish Prabhakar of Cal-State University Northridge will be on-Center Tuesday, September 10, to advise current and prospective students in the external degree programs offered by the school. Cal-State University Northridge has ex-

ternal degree programs in electrical engineering and mechanical engineering at NWC which lead to a master's degree. Those who wish to see Dr. Prabhakar are asked to make an appointment by telephoning Kit Driscoll at NWC ext. 2648.