



**PRIZED DISPLAYED** — Lois Hinman and Carole Wilcher exhibit some of the prizes that will be given away during Maturango Junction Day next Saturday, Oct. 26. These include a picture by Ms. Hinman, a wall hanging by Ms. Wilcher, a painting by Ida Davis and a wood carving by Bill McEwan. Grand prize, an 8-day, all-expense paid trip for two to Mazatlan, will be given away at the Museum's annual dinner.

## Marine Band begins IWV concert season

Opening event for the 39th season of the Indian Wells Valley Concert Association will be a concert by the United States Marine Band on Tuesday at the Center theater.

Music played under the capable baton of Col. John R. Bourgeois includes selections ranging from the National Hymn, "God of our Fathers," to the overture-fantasy, "Hamlet," by Tchaikovsky. Baritone Michael Ryan will present vocal selections from "Man of La Mancha" and will

moderate Thomas Knox's "American Pageant."

The "President's Own" band which will play much of the march music for which it is famous, including "Gridirion Centennial" by Col. Bourgeois and a parade of John Philip Sousa marches.

A few season tickets, priced at either \$23 or \$19 each are still available and may be arranged by telephoning 375-5600. Full-time enlisted military personnel, those under the age of 21 and those over 65 receive a 37 percent discount on season tickets.

Single event tickets for the Marine Band concert are priced at \$7 for general admission or \$5 for full-time military enlisted, those under 21 and those over 65. They may be purchased at the Music Man, Medical

Arts Pharmacy, and the Maturango Museum office, all in Ridgcrest. When these tickets are sold, a standby list will be taken at 375-5600 for those people who hope to pick up tickets released by season ticket holders unable to attend.

A student program will be presented by the Marine Band at 12:45 p.m. on Tuesday. Murray Junior High School students, as well as band students from Monroe Junior High School and Burroughs High School will attend. Some seating will be available for the general public.

No charge is made for the student program. It is provided as an educational service by the IWV Concert Association, made possible by contributions to the Student Education Fund.

## Activities for all ages planned Oct. 26 at Maturango Junction

Preparations are in high gear for Maturango Junction at Kern Regional Park next Saturday (October 26) from 8 a.m. to 5 p.m. The day is a fund-raiser for the Maturango Museum.

The preliminary schedule includes a pancake breakfast sponsored by Kiwanis starting at 6:30 a.m., a children's parade taking place at the time of the opening ceremony at 9:15 a.m., a chili cooking contest that will be judged at noon, and a steak dinner sponsored by Rotary International starting at 4:30 p.m.

Entertainment planned throughout the day ranges from arts and crafts displays to a jail (run by the Optimists) to square dancing displays.

Lots of food will also be on sale at a variety of booths.

In equal quantity will be the prizes that will be given away hourly. Tickets will also be on sale qualifying the winner (decided at the Museum's annual meeting) for an 8-day, all-expense-paid trip for two to Mazatlan.

## NEX News

This week the newly remodeled personalized services store opened to patrons of the Navy Exchange. The new store is located in Bennington Plaza around the corner from the main retail store, next to the package store.

Sold at the new store are giftware, indoor plants, and accessories. Also sold are optical supplies. Those wishing to purchase a bouquet or corsage can purchase fresh cut flowers, and those who want to send flowers to a sweetheart or friend can send flowers-by-wire.

Printing available includes business cards, Christmas cards, and wedding invitations.

Services available are dry cleaning, giftwrapping, foto glazing, key making, laminating, monogramming, photo finishing, making rubber stamps, shoe repairing (or bronzing, for those who'd like to keep baby shoes), and watch repair.

Rental available are carpet cleaning materials, microwaves, and TV and video equipment.



Col. John R. Bourgeois, USMC

### BUILD UP YOUR MUSCLES

As a general rule, gains in muscle strength are made by lifting heavy weights a limited number of repetitions. Gains in muscular endurance involve lifting lighter weights numerous repetitions.



	Max.	Min.	Peak wind
Fri.	80	40	13 knots
Sat.	—	—	—
Sun.	—	—	—
Mon.	79	45	18 knots
Tues.	86	39	17 knots
Wed.	88	37	8 knots
Thurs.	89	40	9 knots

All measurements are made at Armitage Airfield.

## BOSS Halloween Party set

The public is invited to attend the Black Original Society (BOSS) Halloween Party, Saturday, October 26, at 1431 Downs St. The party will begin at 9 p.m. and conclude at 2 a.m. Requested donation for non-BOSS members is \$2, for BOSS members \$1.

Prizes will be awarded for best original costume, matching couple, and ugliest costume. Costumes are encouraged, but not required to attend. No minors permitted.



## Weekend Roundup

In honor of the Navy's 210th Birthday Celebration, the Commissioned Officers' Mess is having a dinner special tomorrow of salad, French onion soup, prime rib, baked potato with sour cream and butter, rolls with butter, coffee and tea, birthday cake, ice cream and party favors for \$9.95 per person. The cake cutting ceremony with Captain K. A. Dickerson, NWC Commander, will begin at 7 with dinner following at 7:15. For entertainment, "Siba" will be providing various types of music for both dancing and listening pleasure, which will begin at 9 and will last until 1:30 a.m.

Reservations are requested and may be made by calling 446-2549.

The Enlisted Mess is celebrating with the Navy by having a two-meat buffet special tonight at 7:30. The cost per person is \$6.50 with entertainment being provided by "Hayward Lee and The Marauders". Entertainment will begin at 9 and conclude at 1:30 a.m.

Also saluting the Navy birthday is the Chief Petty Officers' Mess with tonight's dinner special being prime rib at \$9.75 per plate. Tomorrow's celebration activities will begin with a cake cutting ceremony at 7 and will be followed by "The Legends" at 8:30. This lively group will play music of the 50s: rock, country western, and top 40's for both dancing and listening pleasure.

Thursday, October 24, the CPOM will be having a Mongolian Bar-B-Que from 5:30 to 8:00 p.m. Members and guests are invited to attend.

## Movies

FRIDAY, MONDAY, WEDNESDAY	OCT. 18, 21, 23
"BEVERLY HILLS COP"	
Starring Eddie Murphy and Judge Reinhold (Comedy, Rated R, 105 min.)	
SATURDAY, SUNDAY	OCT. 19, 20
"BACK TO THE FUTURE"	
Starring Michael J. Fox and Christopher Lloyd (Science-Fiction, Rated PG, 118 min.)	
FRIDAY	OCT. 25
"WITNESS"	
Starring Harrison Ford and Kelly McGillis (Thriller-Drama, Rated R, 112 min.)	

Starting Times: Matinee / 2:00 pm Evening / 7:00 pm  
Box Office Opens: Matinee / 1:30 pm Evening / 6:30 pm

U.S. Government Printing Office: 1985 - No. 20024

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

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

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# Morton: 'Fundamentally nothing has changed'

(Gary Morton, Director of Navy Laboratories, discussed the impact of the Navy's reorganization on the laboratory community in a recent interview with Steve Boster, Rocketeer Associate Editor.)

The DNL's comments on the changes brought about and anticipated as a result of the disestablishment of the Naval Material Command are as follows:

"I think what is most important for the research and development (R&D) centers and the rest of the Navy to understand is

that, fundamentally, nothing has changed in terms of the missions and roles of the Navy R&D centers.

"Our Navy laboratories are full-spec-

trum laboratories. They have developed a tremendous capability over the last 40 years and, in some cases, longer than that. Most of the laboratories stem from World

War II. In that 40-year period, we have developed a valuable national asset in terms of the people and in our R&D center community.

**"We are very sensitive to that issue and try to keep our pulse on the individual projects."**

"Some people had hypothesized that, with the move to the Chief of Naval Research, there was an intention to make our full-spectrum laboratories a little more

like the Air Force and Army laboratories — that is, more technology-base-oriented and less system-development-oriented. That is not the case.

"Quite honestly, the commanding officers and technical directors — and Captain Dickerson and Burrell Hays, in particular — have been very sensitive to the fact that we need to make sure our Systems Command customers understand that nothing has changed. In the past, we have struggled occasionally on some programs

(Continued on Page 7)



Naval Weapons Center, China Lake, California 93555-6001

Vol. XL, No. 42/October 18, 1985

## NWC joins in celebrating U.S. Navy's 210th

Static displays of Navy aircraft, tours of Michelson Laboratory and an afternoon of fun and games are scheduled for tomorrow's observance of the U.S. Navy's 210th Birthday at the Naval Weapons Center.

From 1 p.m. to 4:30 p.m., visitors to NWC will be able to get first-hand looks at some of the mainstays of Naval aviation including the A-7E Corsair II and the new F/A-18 Hornet. In addition they will see the A-6E Intruder, a Cobra helicopter, A-4 Skyhawk and QF-86 Sabrejet on static display in front of Michelson Laboratory.

Highlighting the celebration of 210 Years of Pride and Professionalism in the U.S. Navy will be self-guided tours of Michelson Laboratory. Included on the tour route are the "hardware-in-the-loop" simulation lab,

a glass blowing demonstration at the Chemistry Division's Glass Shop by Tom Griffith, the computer wing and the photographic wing.

Bob Woolever of the Engineering Department's Material Engineering Branch will demonstrate capabilities of the scanning electron microscope which can enlarge sample up to 200,000 times.

The Engineering Building self-guided tour includes an interactive graphics demonstration showing how engineers can interact with computer terminals to enhance and speed up design capability.

During the afternoon several community organizations will sell food and drink from booths set up along Headquarters Circle. No food or drink will be allowed on the

building tours.

The entertainment for the afternoon begins at 1:30 with the First Great China Lake/Ridgcrest Obstacle Race held in front of the Headquarters Building. This tricycle race pits NWC top management against the Ridgcrest City Council with the winners moving on to face the China Lake Contractor's Association team and the Ridgcrest Chamber of Commerce Military Affairs Committee team of trike riders.

Following race action, the Burroughs High School Band will present a free band concert on the grass in front of Headquarters and the dunk tank is scheduled to open.

At 2:30 p.m. tomorrow, teams in the mighty tug-of-war contests and mud volleyball competition will take to the field at the north side of the Headquarters Building. The NWC Recreational Services Department is sponsoring the competition and all participants will receive certificates of participation.

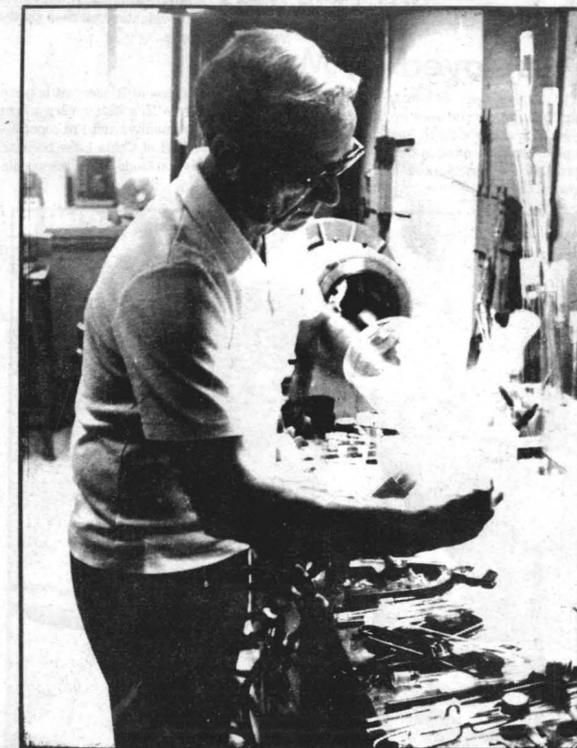
In addition to self-guided tours in Michelson Laboratory, the celebration will feature exhibits by Center departments around the main parking lot of the lab as well as displays from Ford Aerospace, Motorola, Grumman, Hughes Aircraft and Raytheon.

The Vintage Military Vehicle Club will have several old vehicles on display in the north parking lot.

Naval Weapons Center and Air Test and Evaluation Squadron Five (VX-5) personnel will be on hand to answer questions about the displays and the aircraft exhibited.

Films about the Center will be shown in the Michelson Laboratory auditorium and displays will be set up in the halls representing efforts of the several thousand China Lakers over the past 41 years.

Parking will be allowed in the north lot of Michelson Laboratory and the Lauritsen Laboratory lot. Overflow parking will be provided at Bennington Plaza with free shuttle bus transportation from the lot to the Headquarters area.



**GLASS BLOWING** — Thomas Griffith is the Naval Weapons Center's glass blower. He will demonstrate this highly specialized skill during the Navy Birthday Celebration at NWC tomorrow from 1:30 to 4:30 p.m.

## Still another successful ESKIMO test recorded

Another in a series of Explosive Safety Knowledge Improvement Operation (ESKIMO) tests took place at NWC last month and proved to be as successful and as information-producing as the previous six.

Aim of the current ESKIMO test was to determine the safety and performance of Navy box-shaped ammunition storage magazines. The two remaining structures from ESKIMO VI (which took place at the K-2 range July 1980) were refurbished for the ESKIMO VII tests.

The first test was designed to determine the structural integrity of a magazine following an air blast. To simulate the effect of the air blast, primacord was placed on top of the magazine in styrofoam and covered with soil.

The pressure wave from this test was very flat, and destruction was even over the whole area of the Type A magazine roof. This foam High Explosive Simulation Test (HEST) was designed to provide sufficient impulse on the roof to cause support rotations approaching 12 degrees.

Aim of the second test was to determine if newly designed headwalls and doors were an improvement over those tests in ESKIMO VI. The explosive charge of 13,616

pounds of TNT was placed 108 feet from the center of the magazine, so the doors were 92.5 and 124.7 feet from the charge.

An energy refocusing computation program was run a half hour before the explosive charge was set off to ensure that no excess shock levels would occur in the surrounding populated area. When the charge was set off, the new door and headwall design proved to be adequate to protect magazine contents.

Sponsor for the ESKIMO test series is the Department of Defense Explosive Safety Board, and test direction and technical supervision is provided by the Naval Civil Engineering Laboratory.

The test program was coordinated at NWC by the Ground Project Office (Code 0632) of the Test and Evaluation Directorate. The Grounds Operations Branch (Code 6223) of the Range Department conducted the test, which was filmed by the Technical Information Department.

Distinguished visitors observing the test were from the DOD Explosives Safety Board, the United Kingdom, France, the Netherlands, and other United States DOD agencies.

Information gained from ESKIMO tests is applicable for any use of explosives, either military or civilian.



## Divine Services

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

### AIAA to see funny films about early missiles

Films providing humorous insights into problems encountered during this country's early years of guided missile development programs will highlight a meeting of the American Institute of Aeronautics and Astronautics on Tuesday. Films have been obtained from various missile test facilities.

### Employee in the Spotlight

## Jeri Morris pleased by upbeat attitude displayed by Marines

"There's no such word as 'no' in a Marine's vocabulary. Whatever job needs to be done can and will be accomplished," says Jeri Morris, who has been secretary to the Marine Corps Liaison Office since 1971. In addition to this task, she has also been secretary to the Air Force Liaison Office since 1977.

Ms. Morris says that she's really enjoyed her work because she talks with or corresponds with people all over the world. The Marine Corps group is small — surrounded by a sea of Navy personnel — so there's a real "family attitude" in the group. "And," she says, "I feel very much a part of this family."

"It's both a challenging and exciting job," Ms. Morris adds, and "the positive attitude that the Marines have makes it fun as well as interesting."

A positive attitude is of great importance to her. She says that she first came aboard the Center as a supply clerk/typist, then worked as a WAE until she moved to the old Ordnance Systems Department where

The luncheon meeting will be held in the Drydock Room of the Enlisted Mess. All interested persons are invited to attend. Reservations are not required.

Membership in the AIAA is open to anyone interested. Additional information and applications for membership will be available at the meeting.

she worked for Betty Kryccki.

"She taught me the value of positive thinking, taught me how to be a good secretary — and got me interested in nutrition as well," Ms. Morris adds.

Her interest in nutrition has led to a lot of study of nutrition on her own time, as well as inspiring her to take up a variety of energetic hobbies and interests.

Running and weight lifting are two of these, and she proudly says that she has also made two 40-mile hikes in the high country of the Sierra. She and her younger daughter, Kara, 16, both enjoy downhill skiing as well. (Older daughter Daria, 20, is going to school in Sacramento.)

Ms. Morris also plans to continue taking classes at Cerro Coso Community College, figuring that she will earn her Associate degree there and then will continue to study under one of the extension programs.

"I really enjoy being a secretary," she says, "but I believe that I should think about branching out when I can."

These are not the first Cerro Coso classes

## Can Center shed 3.4 megawatts? Join in all-out effort Wednesday

Can the Center cut its energy requirement by 3.4 megawatts during a working day if needed? The Energy Office is planning another load-shed exercise on Wednesday between 10:30 a.m. and 1:30 p.m. and challenges all Center personnel to see if they can achieve that goal.

The load-shed exercise is planned in conjunction with Energy Awareness Week, Oct. 21 through 27. Last year during Energy Awareness Week, a load-shed exercise resulted in a 2.4 megawatt maximum reduction at 12:30 p.m., and an overall decrease of 7.4 megawatts during the exercise.

The 3.4 megawatt goal has been selected because NWC and Southern California Edison Co. have an agreement that when the demand on the power grid exceeds the capacity of SCE to provide power, the Center will voluntarily shed 3.4 megawatts of its load to avoid brownouts or rolling blackouts.

At 10:30 a.m. Wednesday, all personnel and Center residents are asked to voluntarily turn off all unused or nonessential pieces of electrical equipment. Normal operations are not to be affected.

Items that could be turned off include television sets, coffee messes, unnecessary lighting, electric heaters, idle computers, copy machines, and idle frequency converters. Those living in Center housing are asked not to use any appliances that they can do without during this time.

The Energy Office does suggest strongly, however, that people only turn off their own equipment — not someone else's! In that way no equipment involved in critical operations will be turned off, since this is a voluntary exercise.

(When unnecessary equipment is turned off during regular working days, the savings result in extra money for the Center because SCE has given the Center rebates on its energy bills because of reduced usage.)

In addition to the load-shed exercise, a display presenting the Navy's alternate energy research and development programs will be set up in the north lobby of Michelson Laboratory from Oct. 21 through 27. All personnel who have access to Michelson Laboratory are invited to visit the display.

## Civil Service retirement changes regarding benefits for spouses

The Civil Service Retirement Spouse Equity Act of 1984 (Public Law 98-615) established significant new rights and benefits for spouses and certain former spouses of Federal employees. The Act was effective (for most purposes) May 7, 1985. Some key provisions of the Act that may be of interest to federal employees are described below:

— Employees who leave the Federal Government must notify their current spouses and certain former spouses when applying for a refund of retirement contributions. (Past law imposed no such notification requirement.)

— A refund of retirement contributions will not be made if (1) a qualifying court

order expressly relates to the refund, and (2) payment of the refund would end the entitlement of the former spouse to survivor annuity or an apportioned share of a retiree annuity. (Under past law, court orders could not bar payment of a refund.)

— Retiring employees will be required to obtain the written consent of their current spouse before being allowed to elect an annuity without full survivor benefits. (Past law permitted retiring employees to provide less than full survivor benefits even if their spouse objected.)

— Under certain conditions, former spouses of Federal employees may become entitled to a survivor annuity through a court order or a voluntary election by the retiring employee.

that she's taken since moving to Ridgecrest from Trona, where she grew up. Her family moved to Trona when she was 12, and she completed her schooling in that community where her father worked for Stauffer Chemical Co.

"Compared to Trona, Ridgecrest is quite lovely," she says. "It's also a very warm and friendly community. And I'm especially proud to be part of China Lake because of the supportive attitude of all the people on board."



UPBEAT — Working as Marine Corps Liaison Office secretary helps keep Jeri Morris's attitude positive.

## Director of Navy Laboratories talks about reorganization...

(Continued from Page 1)

to establish a good relationship between laboratories and Systems Commands. What we have to guard against is, now that we have isolated the laboratories — or at least are perceived to have isolated the laboratories organizationally from Systems Commands — that we do not allow project managers, who would perhaps rather not use an in-house R&D center to support their program but would rather use subcontractors, to use this as one more excuse for

ideas and initiatives that come out of the laboratories or new high-payoff areas that emerge during the course of the year. In the past, however, if he wanted to support some of those efforts, he might have had to go first through one or two layers, in both the Systems Command and ONT.

"This could be viewed by the Systems Commands as a message that we are trying to separate the R&D centers from them, and we have to be careful. We do not want

"We do not want to separate ourselves, because clearly some of the needs for technology developments come out of the Systems Commands."

them not to properly involve the R&D centers. So we are very sensitive to that issue and try to keep our pulse on the individual projects. Commanding officers and technical directors are working hard to cement the relationships that they have at both the working level and the senior level with Systems Commands. I think we are getting the message out that, really, nothing has changed.

"Having said that nothing has changed, I must add that some things are changing; an opportunity has presented itself since the R&D centers are now part of the Chief of Naval Research organization. That opportunity focuses particularly on the technology-base program and the 6.2 exploratory development program. We are moving toward giving the individual laboratories greater control, both in the program formulation of what the Navy's technology-base program should be, and in the program execution.

"We are doing this by creating essentially direct funding — what we now call block funding — of the 60 programs, from the Office of Naval Technology, which is part of the office of the Chief of Naval Research, to the laboratories. Essentially, this funding route bypasses the Systems Commands, who used to have a financial responsibility. What this does is eliminate one level of management control and streamline the process significantly from the past.

"I think this system will allow the expertise that exists in the laboratories to be more effectively utilized. In technology-base programs the technical director, as he sees emerging requirements, will have greater control and flexibility than ever before to move money around on a short-term, quick-response basis, to focus on new

to separate ourselves, because clearly some of the needs for technology development come out of the Systems Commands. The technology we are developing relates to what they think is important in terms of the current systems development.

"Once we develop our technology, it is within these developing systems in the Systems Commands that the technology is going to be employed. We have to make sure that the Systems Commands know what technologies we are developing, so that they can consider that technology as they look at the systems in the future.

"The bottom line is communication between our R&D centers and Systems Commands. While such communication has always been important, it is particularly so in this time of transition — in respect to both the technology-base program and our support of the Systems Commands' weapon system development.

"The laboratories in NAVMAT headquarters, of course, were not the only ones being affected by this change. The Space and Naval Warfare Systems Command was established, and Admiral Glenwood Clark of PM-1 has taken over that organization. So as SPAWAR evolves, certainly our R&D centers' relationship with it will evolve too.

"Since we can be perceived to be organizationally further separated from the Systems Commands than in the past, the challenge is to make sure that all the progress we have made over the past several years in improving our relationships with the Systems Commands does not get sidetracked in any way. And the opportunity exists to make things even better with respect to our involvement in the technology-base program.

"Another challenge resulting from the realignment arises where we have a pro-

fessional difference of opinion with a Program Manager. In the past, we had a senior individual, namely the four-star Chief of Naval Material, who had command responsibility for both the laboratories and the Program Manager. He could resolve those differences right at his desk.

"I could go down several floors with an issue, we could get the Systems Commander and the Program Manager over, and we could resolve a technical or professional difference of opinion between the R&D centers and the Program Managers. There was a strength to that. In fact, the Navy's whole matrix-management structure is designed to permit conflict, so that those professional differences of opinion can bubble up and get visibility, and not be buried in the organization.

"Now, however, with the new organizational structure, it gets a bit more difficult to find that point of commonality when you do have a professional difference of opinion. So one of the important things the Navy must recognize is that conflict is appropriate. Professional differences of opinion on programs among the Budget Manager, the Program Manager, and an R&D center are routine. First, that concept has to be accepted, and second, we have to provide the mechanism for resolving those conflicts. In most cases, it can be done relatively easily, so long as all parties approach it maturely, as I think they will.

"This management approach has as its inherent strength, the fact that it allows conflict to occur."

"As I see it now, if an R&D center disagrees with the Program Manager, the next level up would be myself to attempt to resolve it with either the Program Manager or the Vice Commander. If that does not work, Admiral Mooney can deal with the Systems Commander. The trick is the next level up after that. Admiral Mooney has essentially two reporting lines, as does the Systems Commander. One reports to the Chief of Naval Operations; the other reports to the Assistant Secretary for Research & Engineering Systems. I am not exactly clear which one of those lines one would pursue in order to resolve a difference. Maybe the answer depends on what the difference is.

"Let me go back for a moment to the concept of a matrix organization. This is the way the Navy manages its programs, including the R&D centers. This management approach has as its inherent strength, the fact that it allows conflict to occur. It does not allow a single minded approach to any particular problem. It has people looking at any issue on the one hand from a technical point of view, and on the other hand from a programmatic point of view; the final direction a particular project takes is an integration and balance between them. Achieving that balance is the trick!

"Conflict is the way that balance is achieved. That conflict is a professional conflict. There are valid professional reasons why technology should be optimized. There are valid technical reasons why schedule and cost should be optimized. The trick is to bring those elements all together. The real challenge when those differences of opinion occur is to provide a mechanism for conflict resolution that keeps the differences at a professional level and avoids getting on a personal level, with somebody beginning to attack the technical integrity of another individual, rather than his technical opinion. When we keep it at the professional level, there is a healthy respect and trust between an R&D center and the Program Manager. When we allow it to deteriorate to the personal level, then we tend to have very unhealthy and unsatisfactory relationships within the organization.

"I think the structure of the Navy reorganization that we had envisioned early on is pretty much the way it evolved. The reporting line for the R&D centers to the Chief of Naval Research is identical to what we had hypothesized. The continued interest in and support of the centers by the Assistant Secretary for Research & Engineering Systems, has materialized. The technology-base program and the block funding have gone along pretty much as we had hypothesized. As I said, we are still refining that process, to make it the most effective management.

"As we develop our technology there are a lot of technologies that have to be developed cooperatively among the R&D Centers..."

"Experience like the advanced anti-air warfare, anti-air missile program — the outer air battle, if you will — showed that many, if not all, of our new major weapon systems are not going to be within the purview of a single laboratory, but will require joint laboratory activities. In that particular case, it required that NOSC, NADC, NSWC, and NWC all work together to provide the right kind of support to the Program Office.

"By the same token, as we develop our technology, there are a lot of technologies that have to be developed cooperatively among the R&D centers, because they support more than one warfare or mission area. That being the case, we will have some blocks where we will have essentially a high lead laboratory proportional block, and we will proportion dollars out on R&D. The initial construct had as much as 50 percent of a block going from one laboratory, and then being parcelled out. What that tends to do — the technical directors were very vocal about this and they were right — is essentially replace the Systems Command layer with another laboratory layer.

". . . still enabling us to put together a premiere program..."

"In this regard, we are working with a group of the technology-base managers and technical directors, and will get together here in Washington to come up with an alternative scheme that we think will satisfy the intent of block funding and provide for transfer of money between laboratories only in those cases where it makes sense and where there is added value in having it transfer, rather than simply create a bureaucratic layer — still enable us to put together a premier program to sell back to CSD and Congress.

"That is one of the things that we are going to have to understand. It is important that we develop blocks that the laboratories are comfortable with, but that are also marketable to the higher chain of command.

"It is important that we develop blocks that the laboratories are comfortable with, but that are also marketable to the higher chain of command."

(The interview with Gary Morton, Director of Navy Laboratories, will continue next week in the **ROCKETEER**.)



Gary Morton, DNL

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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.

# Winds fail to stop youth soccer competition

Windy weather didn't stop youth soccer teams from playing a full slate of games on Saturday. The Naval Weapons Center Recreational Services Department Youth Soccer League action will continue through Nov. 23 with more than 20 teams active in weekend play each Saturday.

**Division One**  
**Road Runners 3, Chiefs 1**  
 Mike Ross, Frank Gamble and Matthew Armstrong notched single goals as the Road Runners nipped the Chiefs. Defense by Meg Frisbee and Patrick Ross also helped the winners. Neil Covington scored the lone Chiefs' goal. It was their best game of the year with strong play from Aaron Cuevas on defense and Melissa Murphy in goal.

**Fury 3, Apollos 1**  
 Defensive play by Matt Bryner, Ross Edward and Aaron Gustavson led to a Fury win as Brian Armstrong, Reed Zamal and Lacey Cordell scored goals. Glenn Baker accounted for the lone Apollos' goal. Chris Moore and Mark Steinmetz played excellent defensive games in the loss.

**Rowdies 3, Express 0**  
 Behind Mike Hobson's three-goal effort, the Rowdies were easy winners. Jeff Janson added two goals for the victors and played strong defense. Express got good performances from Bobby Nelson and Eric Sievert despite being blanked on offense.

**Eagles 4, Cobras 0**  
 Valerie Lystrup's play on defense highlighted the effort by the Cobras in the easy Eagles win. The Eagles dominated the game throughout. Chris Branson and Dan Hartley were the standout players in the win.

**Owls 2, Coyotes 2**  
 Ian Leis, with an assist from Bryan Kash, made the tying goal for Owls. Matthew Barry and Ken Kirschenman were top defensive players for the Owls squad. The Coyotes got goals by Reed Christensen and Mark Garland to force the tie game. Brian Tosti and Dale Garland were singled out for fine defensive performances.

**Division Two**  
**Sting 3, Sockers 0**  
 Mike Ogren notched all three goals as

## Flyfishers Club offers class in fly fishing

Those who like to have some time to get ready for next year's fishing season (or to take advantage of winter fishing) are invited to attend a fly-fishing class conducted by the Aguabonita Flyfishers. The class begins Monday evening.

The class will cover all aspects of fly fishing such as equipment, knots, casting, reading the water, and tying flies.

In addition, in November, a rod-building class will be held and an introductory meeting for that class will be held on Monday, Oct. 21, to discuss class structure and to provide information about material needs and costs for building a fly rod.

Both classes are open to the public. Additional information about either can be obtained by telephoning either Chuck Newmyer at 375-5810 or Lew Albright at 375-8725.

## Youth hoopsters need referees

Adults who like kids and athletics are needed to help referee games of the Youth basketball program at NWC.

The season runs from Jan. 10 through March 10, with games played on Monday and Friday evenings and Saturday mornings. An Officials' Clinic is scheduled Dec. 18 at the Youth Center.

Anyone interested is asked to telephone the Information, Ticket, and Tour Office at NWC ext. 1010.

the Sting ripped the Sockers. Justin Ward, Jason Ghormley and Thomas Agagni joined Ogren in leading the winning effort. The Sockers couldn't get their offensive moving at 8 a.m., but defensive efforts by Dustin Haynes, April Lawrence and Ryan Webb kept their heads above water in a hard fought contest.

**Drillers 2, Cosmos 1**  
 Sean Waldron boomed a goal in from long distance while Michael Eberhart keyed the defense for the Drillers. Tory Flores added the second and winning goal while Isaac Curran's effort as goalie helped the winners. Sean Williams had the only goal for the Cosmos, but they got good play from Damon Kelling and Brian Beecroft in the defeat.

**Lancers 2, Earthquake 1**  
 Rene Armstrong and Dannie Sarrett accounted for the scoring as the Lancers came out on top. Tom Badgett was cited for a strong defensive performance. Jeff

Caruso's goal was it for the Earthquakes while Peter Byers and Jenifer Crouch were defensive leaders.

**Aztec 0, Strikers 0**  
 Sean Cassidy, Ben Friedman and Kees VanderHoek led the Aztecs in this scoreless duel. The Strikers did not have a game report.

**Blizzard 11, Timber 0**  
 It was no contest. The Blizzard got three goals each from Scott Foremaster and Jean Paul Escallier while Joe Mechtenberg scored twice. They got solo goals from Tristen Smith, Jesse Watke and David Renner. Joe Lint, Andy Lopez and Brandy Allen were credited with strong performances on the field for the Timber squad.

**Division Three**  
**Diplomats 5, Sounders 3**  
 Goals from Robbie Stark, two from Jimmy Ball and one each from Brad Bays, and Aaron Schwartz were all the points the

Diplomat squad needed. Mike Kinne accounted for all three Sounder goals with assists from Jerry Green and Beau Arnold. The Sounders coaches feel their squad continues to improve.

**Whitecap 5, Roughnecks 0**  
 Danny Moldenhauer moved to forward for the first time and responded with a three-goal performance, to lead the winners. Michael Crouch at midfield and Steve Sticht at wing were defensive leaders. Charles Eberhart and Matt Frazier were key players for the Roughnecks as they say the offensive shut down.

**Surf 3, Rogues 1**  
 Philip Johnson, with an assist from Mike Graves scored the lone goal for the Rogues. Michael Fleener and Jamie Scholl also played good games. Scott Becker, Cash Benton and Benny Trujillo did the scoring for the Surf while Paul Runnels played defense.

**Kicks 6, Tornado 1**  
 Nathan Nickell and Jason Rainwater played strong games in goal while the field play of Natalie Noel and Scott Wahner led to goals and an easy win. Eric Martin and Jose Rodriguez had good performances as well. Bryon Auld took a pass from Dave Lawrence to score the only goal for the Tornado team. It was a fast paced, exciting game.



## Sports



**YOUTH SOCCER** — Boys and girls alike compete in Youngsters from the first through sixth grades are the NWC Youth Soccer Program each Saturday. eligible for the youth program.

## Fall fishing flings still produce good catches

Fall is approaching fast in the high country, but anglers who are willing to take their chances with cold weather or sudden storms are catching lots of fish.

At Lake Sabrina, west of Bishop, the fish are biting anything that is being tossed into the lake at the end of a line, while at South Lake the fish prefer nightcrawlers, worms and eggs. Boats are no longer permitted at South Lake, so it's shore fishing only there now until next spring.

Fishing in Rock Creek is better than at

Rock Creek Lake, and the same applies to Convict Lake and Convict Creek. Again, worms are the best bet, as well as a red-egg-and-worm combination.

Fishing at Crowley Lake (barbless lures only and a fish must be 18 inches to be a keeper) is still very good. Best bet — after about 9 a.m. — is olive woolly bugger or black woolly bugger flies, or olive matukas.

The Owens River is great fishing at this time. Lots of browns are being taken or Rapalas and yellow coach roostertails.

The lakes and streams in Mammoth area are all producing a lot of pan-sized fish. Anglers are asked not to disturb the brookies and browns in the spawning areas.

All the lakes in the June Lake loop are good for worms with marshmallows or inflated worms. Those who are willing to trudge to Tioga or Saddlebag Lakes are catching 4- to 5-pound fish with lures and nightcrawlers.

## Soccer on Saturday

Two games this weekend will go a long way toward shaping the final standings in the Inland Empire Youth Soccer League. The Ridgecrest-based Scorpions Under-19 Soccer Club is hosting San Bernardino's Cosmos tomorrow (Saturday) and travels to Rialto to face the Blast on Sunday, Oct. 20.

The Cosmos, sporting a 4-2-1 record, now hold first place.

## Scorps rip San Bernardino

Ripping the San Bernardino Cosmos, 7-2, Ridgecrest's Under-19 Scorpion Soccer Club remained undefeated in 1985's fall season.

Sharp passing and good shooting keyed the Scorps in their effort to continue the stellar season the squad has been experiencing.

Craig Rindt notched the first point for the home team, taking a pass from Matt Zeigler.

The Scorps scored first in the second half for a 4-2 edge and added three more goals before action ended for the day. Rindt and Zeigler had two goals each while Valdivia added three big goals in the easy triumph.



## The Skipper Sez...

### QUESTION

My child has been on the list for the China Lake Day Care Center since Aug. 1984. There is little vacancy and when a vacancy does occur, it is always filled by a military family. I understand that the military should have preference over civilians on this installation; however, my other child has been in the Center for 2 years now; therefore, I am paying two separate babysitters which is considerably more than if they were both enrolled at the Day Care Center. I don't want to take my child already in the Center out, because she is doing very well in the classroom atmosphere.

I am a single parent. Is it possible to open up a few extra classrooms, so civilians won't have so long to wait to get in the Day Care Center?

### ANSWER

The mission of the Recreational Services Department is to provide recreation opportunities for military on military installations. Here at China Lake, our mission has been expanded to include DOD civilians on a not-to-interfere basis.

Such is the case in the Child Care program. We are asked to provide child care for military. Because the military do not take up all of the spaces, we allow civilians to fill up our centers.

Presently we have 103 civilians on our waiting list. We are in the process of having a study conducted to find out how those 103 children are being cared for now and if that care is inadequate and there is a vital need for additional child care spaces, how more space can be made available.

Additionally, a military construction project has been submitted to the Naval Military Personnel Command to be funded in the 1987 time frame. At present, the Navy is undergoing a study to see if child care should be contracted out to provide the care at a more economical fee for the patron.

### QUESTION

Civilian employee — I wonder about the security of this nation when there's a segment of fence south of the back gate that seems to be cut open, and there're tire tracks that go through it. I've noticed that this thing's been open for two weeks. What's being done to take care of something like this? Thank you.

### ANSWER

The Police Division's records indicate that the hole in the fence south of the South Gate was located by a Police Division patrol officer on Aug. 21. The Public Works Department was notified on the same date that it was found and it was subsequently repaired on Aug. 22. Even though the hole in the fence was located by a Police Division patrol, there is no sure way of determining how long the hole in the fence had been there. If the hole in the fence had in fact been there for approximately two weeks as you note, then apparently the police patrols failed to observe it until Aug. 21.

Even though the primary responsibility for monitoring the Naval Weapons Center's security perimeter fencing is the Police Division's, we must all accept some personal responsibility as well. To be more effective, the China Lake Police Division asks that residents and employees of the Naval Weapons Center notify them of any situation observed that could or would jeopardize our security. They will do their best to ensure that appropriate measures are taken, either through their staff or elsewhere on the Center.

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.

## Being prepared can cut destructive effect of earthquakes

Actually or potentially damaging earthquakes in Mexico, in Japan and in northern Canada in recent weeks serve as a reminder that quakes can occur at any time.

The effects of these three quakes varied dramatically. Although the epicenter of the M8.1 quake in Mexico was more than 250 miles from Mexico City, the majority of damage occurred in parts of Mexico City. Most severely damaged were buildings that had been built on an old lake bed, and buildings that were not built in conformance with a strict building code.

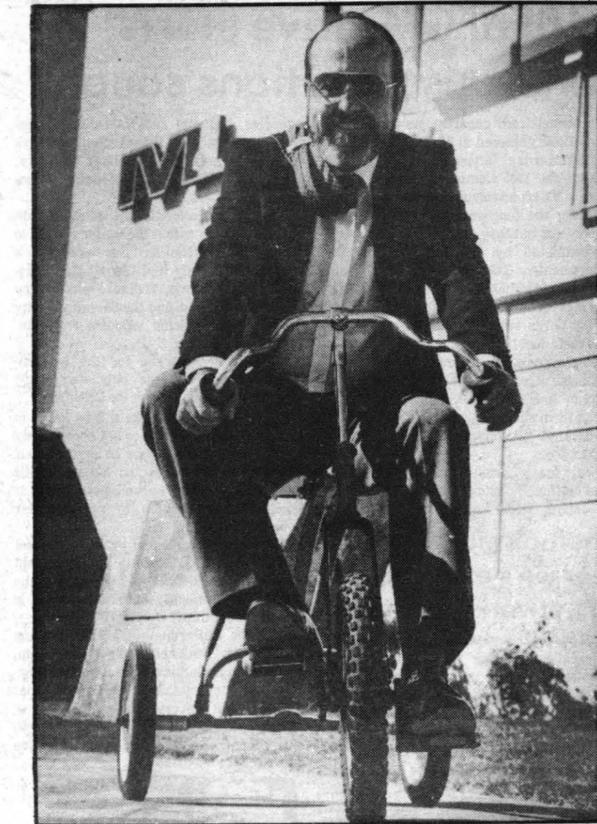
Many southern California communities are also built on ground that is apt to liquefy during severe shaking, such as San Bernardino and part of Long Beach. A few spots in the Indian Wells Valley could also be affected by similar problems. In areas where no liquefaction occurs at NWC there should be few problems with buildings not having been built to code or inspected properly. However, many area "R" buildings could easily suffer foundation failures due to liquefaction and may be rendered unusable despite proper adherence to code.

Although the area of Japan that was rocked recently has not experienced a severe quake since the devastating quake of 1923, very little damage occurred. Japanese buildings codes are very strict, and earthquake drills and preparations are part of Japanese life.

Only very remote regions of Canada were rocked by the quakes there. The region is very sparsely populated, so damage was minimal.

For the Indian Wells Valley, the message brought by these quakes is clear.

Not only is this region subject to quakes epicentered on local faults, but also it will be shaken by severe earth tremors set off by the San Andreas, Garlock, Owens Valley and other fault systems. Wise householders, then, prepare for quakes that are inevitable in the Indian Wells Valley's future.



**WILD RIDER** — Burrell Hays, NWC Technical Director, is busy getting in shape for tomorrow's big tricycle race. The First Great China Lake/Ridgecrest Tricycle race will feature a team including Hays, Capt. K.A. Dickerson, Capt. P.D. Stephenson and W.B. Porter. Race time in front of NWC Headquarters is 1:30 p.m.

## Soviet intelligence topic of talk at Old Crows dinner meeting

Today is the last day to make reservations to attend a dinner meeting of the Robbers Roost Chapter of the Association of Old Crows that will be held next Tuesday. Spouses and guests are welcome.

Honored guest speaker at the meeting, which will be held at LeParc restaurant in Ridgecrest, will be Special Agent Fred Miller from the Los Angeles Federal Bureau of Investigation. He will present an overview of Soviet and East German intelligence and their techniques and tactics

for developing and recruiting Americans for espionage.

The meeting begins with a social hour at 6 and dinner will be served at 7 o'clock.

More information can be obtained and reservations made by telephoning the following board members before 3 o'clock today: Bob Corzine, NWC ext. 2457; Alex Bellen, NWC ext. 3571; Art Duvall, 446-7611; Paul Homer, NWC ext. 3500; Frank St. George, NWC ext. 2951; or Joy Hiller, 446-5561.

tures, mirrors or other objects should not be hung on walls over a bed or over seating in a room.

Each family should have a minimum of 10 gallons of water stored per person, as well as adequate water for several days for pets and livestock. In the event of an earthquake in the local area, electricity is apt to be off for a period of time; all local water is pumped. Also, many of the distribution lines in the IWV are old and subject to earthquake damage. While families can do without food, water is essential to survive in the desert.

All local food is shipped from the Los Angeles area. Each household should have several days worth of food on hand because local supplies in markets will run out within less than two days (providing that the market buildings withstand the quake itself.) Food should not require cooking because gas will probably not be available. Those who require medication also should have an extra supply on hand since roads would be apt to be closed because of falling overpasses.

Damage to utilities and utility lines means that each household should have a battery-operated radio (along with batteries) to get messages from the emergency broadcast system. A car radio can also

be used. Candles or flashlights (with extra batteries) will be needed until electricity is restored.

When a quake occurs, residents are asked to stay off the phone. Those telephone lines that are operable will be needed for emergency messages. (In Japan so many people tried phoning friends or relatives immediately after the earth stopped shaking that lines were overloaded and not even a dial tone could be heard.)

Local schools are well prepared for earthquake emergencies. In the event of a quake during school hours, the children will be taken into the school yards and will be kept there until they can be released to their parents.

Neighborhoods can use neighborhood watch organizations to good advantage to check on those living within the neighborhood to ensure that everyone is all right, that no one is injured or trapped within a house.

Should a severe quake occur in southern California, the local area will largely be on its own. Outside help will go to the most populated areas first rather than to the remote Indian Wells Valley, so residents must be adequately prepared to care for themselves for up to a week without help coming from the outside.

# Annual CFC drive starts; generous donations sought

Personnel from departments throughout China Lake gathered at Michelson Laboratory yesterday afternoon to officially kick-off the 1985 Combined Federal Campaign (CFC) fund raising drive.

During the four-week drive, all federal employees, military and civilian alike, will be contacted by key personnel in the departments. The key personnel will distribute brochures on the various agencies covered by CFC efforts as well as pledge cards employees can use to designate their donation.

Employees may donate a lump sum or authorize a monthly payroll deduction to start in January 1986. Donations in cash or check form should be turned in with pledge cards and all donations are fully tax-deductible.

Four major groups benefit from CFC fund-raising including the United Way of the Indian Wells Valley, National Health

## Therapist to discuss women's exploitation at networking dinner

"The Exploitation of Women — Past, Present and Future" will be discussed by Paulette Solberg at next Wednesday's meeting of the East Sierra Careerwomen's Network. Mrs. Solberg is a clinical therapist at Desert Counseling Clinic.

All interested persons are invited to attend the dinner meeting to be held on Wednesday at Le Parc restaurant in Ridgecrest. A networking hour begins at 6 p.m., with dinner to follow at 7 o'clock.

Prepaid reservations are required. The dinner price of \$8.50 per person covers a choice of chicken or crab salad, dessert, coffee or tea, tax and tip. Reservations may be made by sending a check to ESCN, 429 Tepatitlan Court, Ridgecrest, CA 93555. Tickets can also be purchased at the Ridgecrest Chamber of Commerce office at 303 S. China Lake Boulevard in Ridgecrest.

## Voters get chance to meet candidates for school board

Voters will have the opportunity to meet the candidates for the Sierra Sands Unified School District board on Wednesday at 7:30 p.m. at the Burroughs High School multi-use room. The meeting is sponsored by the Sierra Sands Parent-Teacher Association Executive Council and the China Lake-Ridgecrest Branch of the American Association of University Women.

Running for the four vacant seats on the board are Catherine Sticht, Bill Farris, A. J. Napolis and Arnell Bazemore, who are incumbents, and Darlene Stein, Ted Lundquist, Leslie Sandberg, Helen Jackson and Ruth Carnes.

The election will be held on November 5.

Agencies, National and International Service Agencies and Independent agencies such as American Cancer Society, Maturango Museum, Fire Mountain Foundation and others.

Donors can designate one or more individual agencies within the major groups to receive their donation. For example, a donor could specify that China Lake Mountain Rescue Group, Indian Wells Valley Search and Rescue and the Salvation Army all to receive specific amounts from the total donation.

Donations earmarked for the independent agencies are the only way those groups receive funds from the CFC drive.

Everyone at China Lake will be asked to give to the agency of his or her choice. Only by designating can donors be certain their favorite charity reaps the benefit of the gift. All donors are encouraged to pick at least one organization to receive their donation this year.

"We hope all personnel will do their best and dig deep," said Loretta King, assistant Public Affairs Officer, who, with Natalie Harrison, Community Liaison Assistant, is spearheading the CFC effort this fall.

With the wide range of agencies taking part in the Combined Federal Campaign, the coordinators think there is some educational or charitable organization that should appeal to everyone.

They ask employees to be generous with their donations to this annual fund drive



Barking dogs were called to police attention during this past week. Two dog owners living on Ashworth each filed complaints about the other person's dog barking continuously. Another complaint was filed about a dog on Lauritsen Road, and a fourth complaint was filed about one on Nimitz Road.

Snakes also came to the attention of the China Lake police. One pet python bit the hand that was feeding it — its owner's hand. The other snake was trespassing in the flight support building at the airfield at 9 p.m. The snake was taken into custody.

Wild horses tore down some of the perimeter fence at Centennial Gate. The range patrol fixed the fence. (The guilty horses had vanished.)

Two juveniles were stopped from riding their dirt bikes in alleys in the Capehart A area. The boys did not realize that riding a dirt bike in an alley was illegal.

A husband and wife got into a sufficient



CFC KICK OFF — Natalie Harrison, coordinator of this year's Combined Federal Campaign (CFC) fund drive hands the information packet to Lt. Jack Ceckler of the Aircraft Support Division. The four-week drive kicked off yesterday (Thursday) with key personnel from all China Lake Departments receiving promotional material.

## China Lake Police Reports

squabble in the Capehart B area so that police had to be called to keep the peace.

A neighborhood dispute also led to a battery complaint when a 15-year-old juvenile was pushed against a building.

Unknown persons attempted a burglary at the snack bar at the softball diamond on Knox Road. The attempt was unsuccessful.

Personnel at IOB reported that a handheld Motorola radio had been missing since 1982.

A military man was picked up for driving under the influence of alcohol at 12:30 a.m. Friday. He was held for 5 hours, then cited into Kern County municipal court and released.

China Lake police assisted the Ridgecrest police with traffic control during the parade Saturday morning.

Two juveniles got into a fight at the Mur-

ray Junior High School baseball field Friday afternoon. The 14- and 15-year-old girls were referred to juvenile authorities, who plan to take action.

Over the weekend a driver was found to be driving with a suspended license. The driver was cited into court.

A suspect admitted shooting a pellet gun in his backyard, contrary to an NWC instruction. One of the pellets struck and went through a window.

An unknown person shot a pellet through the window in the west door of the Solid State Building.

A military man whose car was west-bound on Lexington Avenue hit loose gravel, then the curb, and turned over. No serious injuries were reported.

A bicycle was found at the Center library. It is at the China Lake police station and can be reclaimed there by the owner.

The owner of an electric car inadvertently fixed his vehicle — a faulty relay kicked in while the owner was working on the back of the vehicle, which took off and hit his garage.

While a female juvenile was riding her bike, she was overtaken by another juvenile who grabbed some of her property and sped off. The offense is a felony.

At 7 o'clock Tuesday evening two juveniles beat a third at Murray Junior High School.

China Lake police felt these were the days of the old West when they were called on to chase a horse that got loose from the stable on the Center. They caught up with the errant equine and parked it in an empty stable until its owner could secure it where it belongs.

# Navy wants to triple number of pilot candidates

While the Navy is seeking to nearly triple the amount of aviation candidates from two years ago, it also faces problems keeping pilots already on active duty.

"In FY 1984 we had about a 55 percent retention rate; FY 1985, about 53 percent," Cdr. John Boyd, Aviation Officer Community manager, said.

Why does a pilot decide to get out? "Generally his officer separation questionnaire says that he is experiencing too much family separation and that is because of the particularly rigorous duty associated with deployment on a carrier," Boyd said.

Another factor is the economy. "Whenever the economy is strong, and oil prices are low, the airline industry expands. The industry is expanding now and they are giving us strong competition for a

very limited number of pilots," he said.

A program called Aviation Officer Continuation Pay (AOCP) was started by the Navy to help keep its pilots. Retention experts believe that this bonus program, worth up to \$36,000 to each flyer, can cost effectively improve retention.

"I think the AOCP Program makes good economic sense," Boyd said, "and I think it

makes sense to Congress also because it's targeted to the aviator who is leaving the Navy now." Training aviation officer candidates costs the U.S. about one million dollars per pilot, which is several times the amount AOCP costs the Navy to retain already trained aviators.

In FY 1985, about 300 pilots and Naval

Flight Officers accepted the AOCP option and the Navy is asking Congress for \$15 million to continue AOCP for FY 1986.

## CHAMPUS, new form for accidents

If you were in an auto accident — or were injured some other way — CHAMPUS has a new form you must send in along with your regular claim form for cost-sharing of the civilian medical care.

It's the CHAMPUS Form 691 (Statement of Personal Injury — Possible Third Party Liability). Effective Oct. 1, CHAMPUS claims processors are requiring the form from you if your injury was the result of an accident. The new form will allow CHAMPUS to evaluate the circumstances of your accident, and the possibility that the government may recover money for your medical care from the person who injured you.

Even if your civilian health care provider accepts CHAMPUS assignment and files the CHAMPUS claim for you, you'll still have to fill out a Form 691, explaining the circumstances surrounding your injury. The Form 691 can then be submitted by the provider, along with the claim, or you can send the form in yourself even if the claim has already been submitted.

If you or a provider of care send in a CHAMPUS claim for an injury that may have third-party involvement, the claims processor will write back and ask for a completed Form 691. Instructions for the form say that it should be returned within 10 days. If the form is not received by the CHAMPUS claims processor within 35 days of the request, your claim will be denied.

The new forms should be available from claims processors beginning in October. Health Benefits Advisors and providers of care should also have the forms on hand soon.

Remember — if you have other health coverage (such as a Blue Cross policy, or personal injury protection included as part of general automobile, homeowners, or another insurance policy) that pays before CHAMPUS, you must submit your bills to the other policy first. CHAMPUS is "second-pay" to all coverage except CHAMPUS supplemental policies and Medicaid, and won't pay until your other insurance has processed your claim. A copy of the Explanation of Benefits from your other insurance must be sent in with your CHAMPUS claim.

If you have questions, contact the Health Benefits Advisor at the NWC Branch Clinic.

## Double-knit blues end production

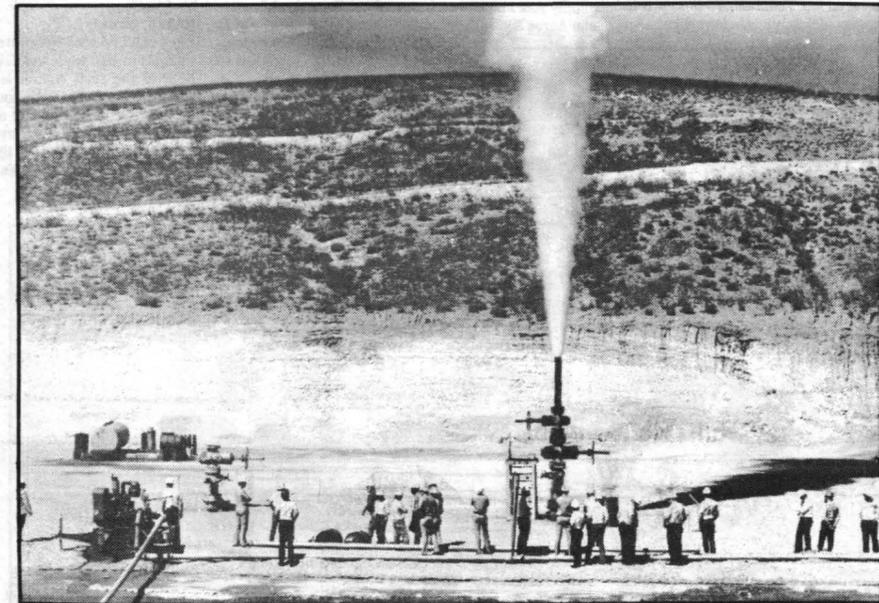
Double-knit shirts and trousers for the winter blue uniform are no longer being made. Because these uniform items may still be worn, replacements of the washable double-knits are in demand. To meet this demand, all remaining winter blue double-knit inventories have been assembled centrally at the Uniform Support Center, Norfolk, VA., and are now offered for sale.

Mail orders should be sent to the Uniform Support Center, P.O. Box 15065, Norfolk, VA 23511. People may also order by phone. Toll free numbers are: in CONUS (except area codes 703 and 804) — (800) 368-4088.

**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)



## Military News



GEOTHERMAL — Dr. Carl Austin, head of NWC's Geothermal Utilization Division gave members of the Society of American Military Engineers (S.A.M.E.) and heard about history and future plans for geothermal development on board the Center. Members saw venting of a steam well produced by California Energy, the contractor for geothermal work, and heard about history and future plans for geothermal energy at the Naval Weapons Center.

## Zero tolerance program stressed

In continuing its policy of zero tolerance of drug use, the Navy has issued a new policy limiting the number of sailors eligible for in-service residential drug rehabilitation at a VA facility.

The new drug policy will not affect individuals already scheduled for in-service treatment, but those with prior drug offenses in their records will be separated upon the next incident of drug abuse.

The officer/senior enlisted policy-remains unchanged. However, voluntary self disclosure does not exempt a person from disciplinary or adverse administrative action. These individuals will be afforded appropriate treatment on the same basis as people whose drug abuse is disclosed by other

Second time drug offenders, regardless of rate, will be separated from the Navy. If needed, they too will be offered residential drug rehabilitation at a VA facility.

Only first time drug offenders E-4 through E-6 who have more than two years of active service, demonstrate exceptional potential, show a strong desire for treatment and exhibit a high probability for success will be given in-service residential treatment. Sailors who do not meet the criteria will be separated from the Navy and, if they are diagnosed as drug dependent, offered residential treatment at Veteran's Administration (VA) facilities. This new policy goes into effect on Nov. 1.

## Military runners eligible for race Dec. 4 in Pensacola

Military personnel who have run in sanctioned marathons are eligible to participate in the Armed Forces Marathon Championships at Naval Station Pensacola on Dec. 4. To be eligible, entrants must have a verified marathon time registered at a sanctioned race. November 24 is the deadline for entries.

Also coming up is Southern Pacific Sports

Committee in Billiards on Oct. 28-Nov. 1 in San Diego.

Only active duty military can participate. This will be continuous pocket billiards with the top two meeting in the championship.

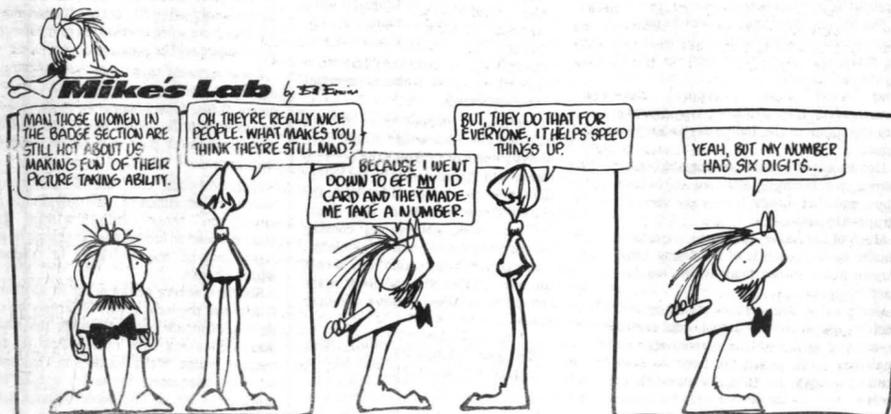
Registration and additional information on both events can be obtained from the NWC Gym Office at NWC ext. 2334.

## Without volunteers, NRS reduces hours

Facing a shortage of volunteers, the Navy Relief Office at China Lake is cutting back hours of operations until more volunteers can be found and trained.

The office will be open from 11 a.m. to 2 p.m. on Mondays and Wednesdays only. No after hours assistance is available.

Navy Relief seeks to assist sailors and their families in time of need, but needs volunteers to carry on this assistance work.



# Technical Management Certificates presented

Nine more hard-working Center personnel have joined the select group that have completed the required course work and examination for the Technical Management Certificate.

The NWC program requires more than 330 hours of class work plus a 4-hour examination at the completion of the course work to qualify for the certificate, which makes it the most extensive program in all the Navy.

According to Burrell Hays, who presented certificates to some of the graduates at a recent Commander's meeting, much of

the material covers "lessons learned" by local program and line managers as well as the theoretical material ordinarily found in a curriculum.

"We really appreciate your taking the time out of your already busy lives to take this course work," Hays told the graduates. "Not everyone gets through the program so you should feel good about successfully completing it."

Material studied includes program management, program planning and control, contract management, managerial accounting, and introduction to systems

engineering. Ordinarily, the program requires from two and a half to three years to complete. Instructors include Center personnel and contractors.

Those receiving certificates were Robert L. Beyer, Marine Corps Technology Program Manager and Deputy Airborne Weaponry Technology Program Manager, Code 0116M; Penny L. Bott, System Integration Engineer for the Integrated Defensive Avionics Program, Code 35403; Ronald P. Gotzler, Acting Branch Head, Radar Development Branch, Code 3541; Clinton D. Seal, Head, Communications

Development Branch, Code 1422; and Karen R. Stiff, Program Manager of the Air Force SEAWARS, Code 6403.

Also receiving certificates were Ronald W. Jones, Deputy Program Manager for Mission Support System Program Office, Code 3109; Michael J. Murphy, Program Manager, Semi-Active Test System, Code 35503A; Delmar A. Dobberpuhl, Project Engineer, Laser Target Designator Ranger for F/A-18, Code 3151; and Edwin Gehres, who is managing AIMS (Project Sparrow Training Missile).



Robert Beyer



Penny Bott



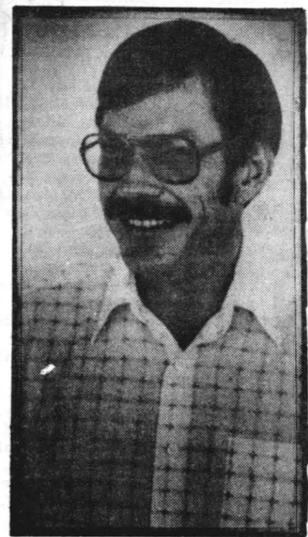
Delmar Dobberpuhl



Ed Gehres



Ron Gotzler



Michael Murphy



Clint Seal



Karen Stiff



# Personnel News & Notes

No. 34, October 18, 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 Blandly. Ads close at 4:30 p.m. on Friday, one week after the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

**No. 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 unannounced cash counts, stub reviews and various routine quarterly and monthly compliance reviews. Interpret and determine compliance to appropriate regulations, prepare written reports to the Commander on findings and recommendations. Assist auditors on various reviews and other audit duties as specified by the Head, Code 002. **Knowledges:** of standard bookkeeping and accounting procedures used to process and record transactions; of agency regulations procedures, and policies. **Skill:** in questioning unusual actions or in obtaining information to support or verify questionable actions. **Abilities:** to assist in perceiving alternative ways and procedures of accomplishing desired objectives; to maintain high ways of procedures of accomplishing desired objectives; to maintain high level of accuracy in work requiring close attention to detail; to assist in analyzing the adequacy and effectiveness of reported data and determine whether it serves its intended purpose; to communicate effectively both orally and in writing. If filled at the GS-6 level, promotion potential is to GS-7, but not guaranteed.

**No. 08-057, Computer Specialist/Computer Systems Analyst, DS-334-2, and Computer Scientist, DP-1550-1, Code 08C2** — This position is located in the Central Staff, Data Base Administration Office. The position provides Computer Systems Analyst support for the Standard Automated Financial System (STAFS) which is scheduled for implementation on a dual VAX 11/780 mini-computer system. The incumbent's primary responsibility is the STAFS database access security. The incumbent will define, install and maintain the various VAX/VMS operating system and internal STAFS security tables. **Knowledge:** of the VAX/VMS security system; of the VAX 11/780 and VAX-11 DATATRIEVE. **Ability:** to work under stress and pressure; to interface with financial system users. Promotion potential to DP-3. Status eligibles may apply.

**No. 08-058, Computer Specialist/Computer Systems Analyst, DS-334-2/3, and Computer Scientist, DP-1550-2/3, Code 08C2 (2 vacancies)** — Positions are located in the Central Staff, Data Base Administration Office. Positions provide Computer Systems Analyst Support for the implementation on a dual VAX 11/780 mini-computer system. Duties include monitoring and verifying the NAVWPNCEN data conversion to STAFS, providing computer analyst support for the immediate and long range STAFS interfaces to local systems, and providing system consultation and user interface. **Knowledge:** and experience in automated business systems; of the VAX 11/780 and Sperry 1100/83 com-

**No. 06-03, Test and Airspace Scheduling Clerk, GS-303-4, Code 0633** — This is a permanent, full-time position located in the Test and Airspace Scheduling Office, T&E Directorate. Incumbent works with test project engineers, test range coordinators, pilots, and technicians. Duties include, assisting the range scheduler with the planning and coordinating of all phases of the scheduling operation of TCN, the range test cost and data management system.

**Abilities:** To communicate with all levels of personnel, military and civilian. **Knowledges:** Personal computers; commercial application software packages; Sperry 1100 series executive languages. Promotion potential to the GS-5.

**No. 08-057, Computer Specialist/Computer Systems Analyst, DS-334-2, and Computer Scientist, DP-1550-1, Code 08C2** — This position is located in the Central Staff, Data Base Administration Office. The position provides Computer Systems Analyst support for the Standard Automated Financial System (STAFS) which is scheduled for implementation on a dual VAX 11/780 mini-computer system. The incumbent's primary responsibility is the STAFS database access security. The incumbent will define, install and maintain the various VAX/VMS operating system and internal STAFS security tables. **Knowledge:** of the VAX/VMS security system; of the VAX 11/780 and VAX-11 DATATRIEVE. **Ability:** to work under stress and pressure; to interface with financial system users. Promotion potential to DP-3. Status eligibles may apply.

**No. 08-058, Computer Specialist/Computer Systems Analyst, DS-334-2/3, and Computer Scientist, DP-1550-2/3, Code 08C2 (2 vacancies)** — Positions are located in the Central Staff, Data Base Administration Office. Positions provide Computer Systems Analyst Support for the implementation on a dual VAX 11/780 mini-computer system. Duties include monitoring and verifying the NAVWPNCEN data conversion to STAFS, providing computer analyst support for the immediate and long range STAFS interfaces to local systems, and providing system consultation and user interface. **Knowledge:** and experience in automated business systems; of the VAX 11/780 and Sperry 1100/83 com-

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puter systems, network data base systems, COBOL programming language, and VAX-11 DATATRIEVE. **Ability:** to effectively communicate orally and in writing with all levels of organization at NAVWPNCEN; to work under stress and pressure; to interface with financial system users and contractors. Promotion potential to DP-3. Status eligibles may apply.

**No. 09-063, Equal Employment Specialist, DA-260-1, Code 093** — Incumbent is responsible for management of the Upward Mobility Program and the Handicap Employment Program. Responsibilities include developing a new selection process for Upward Mobility, writing instruction, and training personnel lists and supervisors to use the applicants, make job placements, utilizes rehabilitation services, serves as problem solver for supervisors and employees. **Elements:** Skills: in oral communication; in written communications. **Knowledge:** of personnel management policies and practices; of principles, regulations and methods of Federal EEO; of particular employment problems faced by women, minorities, veterans, handicapped, and other relevant classes of people. Promotion potential to DA-3.

**No. 14-016, Interdisciplinary (Electronics/Electrical Engineer or Physicist), DP-855/850/1310-2/3, Code 1422** — The prime function of this position as a Network Project Engineer will be to analyze user requirements, plan, design, specify and integrate baseband and broadband Local Area Networks (LANs) as part of the Integrated Communications System. The IEEE 802 series protocols will be used. The incumbent will also analyze technology trends for LAN systems as it relates to existing and planned corporate NWC networks. Extensive training will be provided for specialized network design skills. **KSAs:** Knowledge of computer-to-computer networks; protocol standards such as IEEE 802, X.25, and the ISO Reference Model; communication topologies such as Token Passing, Star Ring, etc.; baseband and broadband transmission techniques. **Ability:** to plan and implement a project; coordinate task with users under pressure and to adjust program changes; communicate well, both orally and in writing. Status eligibles may apply. Promotion potential to DP-3, however it is not guaranteed.

**No. 33-043, Interdisciplinary (General/Mechanical/Electronics/Physicist/Aerospace Engineer), DP-801/830/855/1310/861-3, Code 331A** — This position is for Program Manager for the new Low Altitude Fuze Technology Program. The incumbent will have the opportunity to guide the development and transition to the Fleet of the next generation Low Altitude Fuze. This is a high priority fuze program to correct a Fleet deficiency. The incumbent will be responsible for project definition, planning, coordination and implementation of the development effort. The incumbent will prepare and/or direct the preparation of program plans, statement of work, task assignments, technical reports and other documentations necessary for the development of the fuze system. Incumbent will conduct program status reviews and provide overall management and coordination of the development team. **Knowledges:** of the Navy acquisition and development process; of documentation policies/instructions; of RF and IR systems design and test. **Abilities:** to interface with all levels of Center management as well as program sponsors and various inter-service organizations and contractors; to work well with others and communicate effectively both orally and in writing. Promotion potential to DP-4, but not guaranteed. Willingness to support EEO objectives.

**No. 31-241, Supervisory Multidisciplinary (Aerospace/Electrical Engineering/Mechanical/Electronics Technician), DP-802 or 856-3, Code 3159** — Serves as head of the newly established Sensor Systems Integration Branch, Targeting Division, Aircraft Weapons Integration Department. The branch is responsible for the operational support of airborne sensors from NAVWPNCEN cog platforms, and for transition of targeting technology into existing sensor systems. The incumbent will establish tasks with the Weapons Systems Support Activities (WSSAs), develop facilities requirements, staffing plans and business planning for future transition opportunities. **Knowledge:** of sensor technology, systems integration, software validation and verification; affirmative action principles, including a willingness to support EEO objectives. **Ability:** to perform as a first-line supervisor; plan, organize, coordinate and manage the activities of a technical group; interface effectively with both NAVAIR and contractor personnel. Promotion potential to DP-3.

**No. 31-242, Supervisory Interdisciplinary (General/Electrical/Electronics/Aerospace Engineer/Mathematician/Physicist), DP-801/805/855/1520/1310-3, Code 3159** — Serves as head of the newly established Sensor System Integration Branch, Targeting Division, Aircraft Weapons Integration Department. The branch is responsible for the operational

support of airborne sensors from NAVWPNCEN cog platforms, and for transition of targeting technology into existing sensor systems. The incumbent will establish tasks with the Weapons System Support Activities (WSSAs), develop facilities requirements, staffing plans and business planning for future transition opportunities. **Knowledge:** of sensor technology, systems integration, software validation and verification; affirmative action principles, including a willingness to support EEO objectives. **Ability:** to perform as first-line supervisor; plan, organize, coordinate and manage the activities of a technical group; interface effectively with both NAVAIR and contractor personnel. Promotion potential to DP-4.

**No. 31-243, Administrative Assistant, DA-341-1/2, Code 31502** — Provides administrative support to the Targeting Division Administrative Officer regarding budget, administration, procurement, facilities, space, equipment, personnel, safety and security management. **Knowledge:** of personnel standards and functions; of NWC budget functions. **Ability:** to administer contracts and procurements. **Knowledge:** of space, equipment and facilities management; of security management. Full performance level DA-2.

**No. 33-042, Electronics Technician, DT-856-2/3, Code 3331** — This position is located in the Surface Targets Fuze Branch, Fuze Systems Division, Fuze and Sensors Department. The incumbent will fabricate and test electrical and electronic assemblies for fuze designs, test sets, and test equipment for RF and/or optical fuze related components. **Knowledges:** of electrical assembly techniques; of electronic test equipment such as voltmeters, oscilloscopes, and function generators; of digital and/or analog circuit design. **Abilities:** to perform a variety of tasks associated with electronic devices/systems. Status eligibles may apply. If filled at the DT-2 level, promotion potential is DT-3, but not guaranteed.

**No. 33-044, Quality Assurance Specialist, DS-1910-1/2, Code 3385** — The incumbent is responsible for the application of Quality Control techniques and procedures during the design, fabrication, testing, and production of weapons systems, related equipment and components. The incumbent performs work requiring the use of specialized measuring equipment. Formal inspection reports, memos, and trip reports are required. **Knowledges:** of WS6536 pro-



## Personnel development opportunity

### TECHNICAL MATH FOR TECHNICIANS

12, 13, 14, 15, 25, 27 November and 9, 10, 11 December; 0800-1130; Cerro Coso City Center, Rooms 101 and 107. By: Peggy Chun.

Scope: Provides the necessary background in basic math for technicians and technical personnel working with electronics and computers. No college is required. Topics include properties of numbers, algebraic fundamentals, linear equations, exponents

and radicals, second-order equations, exponentials and logarithms, trigonometry of right triangles, graphs of trigonometric functions, binomial expansion, differentiation, integration, and transforms.

Deadline: 25 October.

cess controls; procedures and requirements for the preparation of soldering electrical connections; of complex manufacturing processes and techniques. **Abilities:** to communicate effectively, both orally and in writing. If filled at the DS-1 level, promotion potential is to DS-2, but not guaranteed.

**No. 33-045, Interdisciplinary (General/Mechanical/Electronics/Physicist/Aerospace Engineer), DP-801/830/855/1310/861-4, Code 331A** — This position is for Associate Division Head and Fuzer Technology Manager in the Sensor Systems Division. The Sensor Systems Division is responsible for exploratory and early advanced development efforts in the Fuzer and Sensors Department (Code 33). The incumbent will have the opportunity to guide the development and transition to the Fleet of the next generation Fuzer and Sensor Technology. The incumbent will serve as an associate to the division head in the management and technology base coordination of division work and resources. This will include acting for the division head in his absences, assisting in office administration, participating in staff meetings, planning, managing, and directing the technology work for the Department, and interfacing with and arranging meetings with high level DOD and Contractor personnel both on and off station. The incumbent will be responsible for the fuzer exploratory and advanced development work in the division, working with and directing subordinate personnel. **Knowledge:** of Navy acquisition and development process; and documentation policies/instructions; of RF and IR systems design, development, and testing; of affirmative action principles, including a willingness to support EEO objectives. **Abilities:** to interface with all levels of Center Management as well as program sponsors and various inter-service organizations and contractors; to work well with others and communicate effectively both orally and in writing.

**No. 34-038, Audiovisual Production Specialist, DA-1071-2/3, Code 3444** — Responsible for writing and producing audiovisual presentations. Efforts are focused on NAVWPNCEN programs and facilities, conveying pertinent information to management and technical personnel, other Navy establishments and the Department of Defense. **Knowledge:** Produce slide and vugraph presentations. Operational knowledge of state-of-the-art audiovisual equipment is desired. **Abilities:** to work with civilian and military customers and communicate effectively both orally and in writing; must demonstrate good people skills. Promotion potential to DA-3.

**No. 35-095, Multidisciplinary (Computer Scientist/Mathematician/Operations Research Analyst), DP-1550/1520/1515-2, Code 3541** — Incumbent serves as the System Software Engineer for the Semi-Active Test System (SATS) and as such will be responsible for the design and development of the software associated with the computer system for SATS. The system will consist of a mini-computer, peripherals, and display units which will command, control and collect data for the entire SATS. **Knowledge:** of real-time and parallel processing techniques; of Assembly and high order computer languages; of structured techniques in programming; of minicomputer systems. **Ability:** to communicate effectively orally and in writing. Status eligible may apply. Promotion potential: DP-3.

**No. 39-108, Management Assistant, GS-344-6, Code 39024** — The incumbent provides administrative assistance to the Weapons Department Head of Staff and is responsible for personnel management, communications services, moves, training, awards, management analysis, financial management, and other administrative duties. **Knowledge:** of personnel policies and procedures; of NWC financial management procedures. **Abilities:** to communicate both orally and in writing; to deal effectively with people. Promotion potential to GS-7.

**No. 61-099, Engineering Data Manage-**

**ment Specialist, DS-301-2, Code 6133** — This position is located in the Systems Engineering Branch, Engineering Support Division, Aircraft Department. The incumbent will be required to support the engineering development of the QF-86 and other drone aircraft programs. Other duties will include data management support of aircraft operational support equipment projects. **Knowledge:** Of aircraft drawings, engineering orders and aircraft data requirements; of the Engineering Change Proposal (ECP) process associated with controlling revisions of aircraft drawings, specifications, and contract data requirements. **Ability:** To control aircraft drawings and specifications, and status of contract data requirements. Previous applicants need not apply. Promotion potential to the DS-3.

**No. 61-100, Warehouse Worker, WG-6907-5/7, Code 614** — This position is located in the Aircraft Department, Ordnance Division. The incumbent will be involved in the receiving, shipping, storing, quality assurance inspections, transporting ammunition and explosives. **Knowledge:** of ordnance and explosives; dexterity and safety. **Ability:** to do the work of the position without more than normal supervision; to interpret instructions, documents, etc. **Skill:** in use of material handling equipment and techniques.

**No. 61-112, Equipment Specialist, DS-1670-3, Code 6133** — This position is located in the Systems Engineering Branch, Engineering Support Division, Aircraft Department. The incumbent will be required to support the engineering development of the QF-86 and QF-4 programs and to provide logistic support to the operational programs. **Knowledge:** of Integrated Logistic Support procedures and systems, DOD Supply System and the supply support of military aircraft; Aircraft operational requirements and maintenance procedures. **Skill:** in planning and estimating.

**No. 621-083, Ordnance Equipment Worker, WG 6641-3, Code 6211** — Supplemental Required. This position is located in the Mechanical/Ordnance Support Section of the Ballistics Test Branch within the Range Department. The incumbent's responsibilities are to receive, set up, fire and store ordnance materials; assist with mechanical modifications, assemblies and installations in support of the ballistic firing operations and tests; handle all aspects of ordnance involvement relating to test activities. **Knowledge:** of assembly, installation and repair. **Ability:** to use, operate and maintain tools and equipment in the trade, to read, interpret, and apply instructions, specifications and blueprints, to use measuring instruments in the trade, to find trouble, determine appropriate test, to perform theoretical, precise, and/or artistic tasks of the trade. Promotion potential to WG-10. Status eligible may apply.

**No. 622-036, Ordnance Equipment Mechanic/Leader, WG-6641-10, Code 6222** — Supplemental required. This position is located in the Operations Section of the Track Operations Branch within the Range Department. The incumbents' responsibilities are to receive, shop, transport, and store ordnance materials; assist with mechanical modifications, assemblies and installations in support of track operations and tests; handle all aspects of ordnance involvement relations relating to test activities. Leads co-workers in these functions. **Knowledge:** of equipment assembly, installation, and repair. **Abilities:** to use, operate and maintain tools and equipment in the trade; to read, interpret and apply the instructions; specifications/blueprints to use measuring instruments in the trade; find trouble, determine methods of repair, and use appropriate tests; to perform the optical precise and/or artistic tasks of the trade, ability to lead.

**No. 62-066, Electronics Technician, DT-856-2/3, Code 62118** — This position is located in the Instrumentation Support Section, Ballistics Test Branch, Ordnance T&E Division of the Range Department. The Instrumentation Support Section is responsible for the operation and

maintenance of several complex data acquisition centers and related test bay operations to support both strategic and tactical rocket test firings. **Knowledge:** of instrumentation, analog and digital data acquisition, of experimental test procedures; of electronic equipment operation, modification and design. **Ability:** to use wide variety of test equipment and hardware, to work alone and as a team member. Both indoor and outdoor work will be required. Status eligible 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. 14-004, Interdisciplinary (General/Electronics/Electrical Engineer/Physicist), DP-801/855/850/1310-2/3, Code 1421** — Prime function as a Network Project Engineer. This position 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 to DP-3. To apply, send an updated SF-171 to Clint Seal (Code 1421), NWC ext. 1303.

**No. 14-005, Interdisciplinary (Electronics/Electrical Engineer/Physicist), DP-850/1310-2/3, Code 1421** — Prime function as a project engineer for the voice/data switching network, will be to analyze user requirements, plan, design, specify, and integrate the new NWC digital telephone equipment. Incumbent will be responsible for analyzing tradeoffs/cost, schedule and performance, and will lead and participate with design reviews. Promotion potential to DP-3. To apply, send an updated SF-171 to Clint Seal (Code 1421), NWC ext. 1303.

**No. 31-214, Interdisciplinary (Aerospace/Electronics/General/Mechanical Engineer/Physicist), DP-861/855/801/830/1310-2/3, Code 3143 (2 vacancies)** — The Test and Evaluation Engineering Section of the Systems Evaluation Branch is responsible for providing flight test engineering and airborne instrumentation support for the A-6, A-7, AV-8B and F/A-18 tactical aircraft. As a Flight Test Engineer, the incumbent will perform test and evaluation engineering functions for assigned aircraft flight test programs. Responsibilities of this position include: frequent contact with sponsors, aircrew, contractors, other Navy activities and performing organizations to provide technical information; generation of test requirements, plans and procedures; coordination of schedules and testing. To apply for this position, send a current SF-171 to Gary Bartlett, Code 31431, NWC ext. 5942.

**No. 31-240, Interdisciplinary (Computer Scientist/Physicist/Electronics Engineer), DP-1550/1310/855-2/3, Code 31144** — This position is in the Facility Operations Section which is located in the F-18 Facility 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-18 aircraft. The incumbent will be responsible to Section Head for the planning, operations, and maintenance of F-18 WSSF real-time simulation laboratory systems. The prime function of this position will be to technically supervise and coordinate daily WSSF operations including computer and workstation test operations; facility documentation efforts including software and hardware; coordination with other branch sections to efficiently schedule facility resources; establish and maintain computer security policies; provide operating system expertise for DEC RSX-11 and VMS systems; procure ADPE and

material equipment. To apply for this position forward an up-to-date SF-171 to B. Mierta, Code 31102, NWC ext. 5219.

**No. 33-041, Interdisciplinary (Electronics Engineer/Physicist), DP-855/1310-1/2/3, Code 3331** — This position is in the Surface Targets Fuzer Branch, Fuzer Systems Division, Fuzer and Sensors Department. The incumbent provides electronic circuit design, analysis, fabrication coordination and testing for RF and/or optical free related components. If filled at the DP-1 or DP-2 level, promotion potential is to DP-3, but not guaranteed. Status eligible may apply. Submit current SF-171 to J. Mumford, Code 33306.

**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 an 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. 35-092R, Interdisciplinary (General/Mechanical/Electronics/Aerospace Engineer, Mathematician, or Physicist), DP-801/830/855/861/1520/1310-2/3, Code 3514** — Incumbent will participate in analysis efforts required for the Skipper II Product Improvement Program (PIP) and Skipper follow-ons. Duties for the PIP will include modification of the Skipper six degree-of-freedom flight simulation to reflect changes in the airframe configuration and generation of performance characteristics. Pre- and post-test flight analysis must be performed and documented. Duties for the Skipper follow-ons will require the development of six degree-of-freedom flight simulations. The simulations will be used as analysis tools for weapon development. Desired performance characteristics will be achieved by developing guidance control algorithms and evaluating them using the simulations. Pre- and post-test flight analysis will be performed and the simulation will be modified to reflect actual test flight data. Applicants must have the ability to communicate effectively orally and in writing, and must be able to work effectively with others. Knowledge of, or a desire to learn, flight mechanics and control theory is necessary. To apply, send an updated SF-171 to John Irving (Code 3514), NWC ext. 3912.

**No. 38-105, Physical Science Technician/Mechanical Engineering Technician, DT-1311/802-2/3, Code 3858** — Incumbent primary duties include the design, fabrication and operation of test equipment used to determine the physical and mechanical properties of energetic materials (propellants and explosives). Specific areas include the production and characterization of damage in energetic materials, Instron machine operations, thermal analysis (DSC, TGA, DMA) and sensitivity testing. Familiarity with microprocessors and digital test techniques desirable. Demonstrated experience in design fabrication and operation of hardware to test materials required. Safe operations using energetic materials; test scheduling; preparing reports, describing tests and results also

required. To apply for this position forward an updated SF-171 to Herb Richter, NWC ext. 1644. Promotion potential to DT-3.

**No. 39-105, Electronics Engineer, DP-855-2/3, Code 3925** — This position is located in the RPV Technology Branch of the Weapons Department. Incumbent will be responsible for analysis of digital and analog guidance and control circuitry of the Rolling Airframe Missile. Duties will involve interfacing with contractor personnel and generating written reports of analysis results. Will also perform digital and analog circuit design on various projects within the branch. Requires analysis and design of digital and analog circuits. Assembly language programming experience and knowledge of control theory desirable but not required. To apply for this position send current SF-171 to J. Owens, Code 3925.

**No. 39-106, Electronics Engineer, DP-855-2/3, Code 3925** — Position is in the RPV Technology Branch of the Weapons Department. As a member of the branch design team, the incumbent will be responsible for hardware and software design of digital control and instrumentation circuits and systems on various branch projects. Requires assembly language programming experience and of microprocessor related digital circuits experience. To apply for this position send a current SF-171 to J. Owens, Code 3925. Promotion potential to DP-3.

**No. 39-109, Interdisciplinary (General, Electrical, Mechanical, Aerospace Engineer, Physicist, Mathematician, Computer Scientist), DP-801/855/830/861/**

**1310/1520/1550-3, Code 39024** — This is a new position as the T&E Manager in the RAM Program Office, Weapons Department. RAM is a NAVSEA program that includes development, production, and deployment of the RAM missile round and the RAM stand-alone command and launch system. It is a joint development by the United States, Federal Republic of Germany, and Denmark with General Dynamics, Pomona as the prime contractor. The incumbent provides overall direction, coordination, and management of the RAM Test and Evaluation program at NWC. The incumbent serves as the single point of contact for all Center interfacing with headquarters contractors and other government activities involved in the RAM testing program. To apply for this position, forward an updated SF-171 to R. Campbell, Code 39B4, NWC ext. 3741.

**No. 39-110, Multidisciplinary, Engineer/Physicist/Mathematician, DP-2/3, Code 3913** — This position is located in the Cruise Missile Systems Branch of the Weapons Synthesis Division. The incumbent will utilize analytical and mathematical skills to develop computer simulations of the Tomahawk and advanced cruise missile systems. Incumbent will be responsible for using the simulation models to perform design and evaluation investigations and advanced concepts studies for the Tomahawk system and follow on cruise missile systems. Experience with real-time programs and VAX computers is desirable. Submit a current SF-171 to Tom Rindt, Code 3913, NWC ext. 3493. Promotion potential to DP-3.

## Secretarial opportunities

This column is used to announce secretarial 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 secretarial 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 1/2/3/4/5/8; Division Secretary applicants will be rated on elements 1/2/3/4/5/8/9; 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. 00-019, Secretary (Typing), GS-318-5/6, Code 03** — This position is located in the Office of Laboratory Director and provides clerical, typing, and administrative assistance to the Deputy Laboratory Director, the Laboratory Administrator, and staff members. If filled at GS-5 level, promotion potential is to GS-6, but not guaranteed.

**No. 36-326, Secretary (Typing), GS-318-5, Code 36602** — Incumbent provides secretarial support to the Systems Management Office. Knowledge and working skill on IBM MAG Card II typewriter is desirable. No known promotion potential. Status eligible may apply.

**No. 36-327, Secretary (Typing), GS-318-4/5, Code 3606** — Provides secretarial support to Harpoon Program Office. Status eligible may apply.

**No. 6202-011, Secretary (Typing), GS-318-3, Code 6202** — The incumbent provides secretarial support to the Range Department Staff Office and will be the CCP for the department. Promotion potential to the GS-4/5 level, but not guaranteed. Status eligible may apply.

**No. 32-186, Secretary (Typing), GS-318-5, Code 3202** — Provides secretarial support to the Head of Staff, Ordnance Systems Department. Promotion potential is GS-5.

## Lecture Series continues Nov. 1

The second segment of the FY86 Junior Professional (JP) Orientation Technical Lecture Series will be presented on Nov. 1 from 8 to 10 a.m. at the Commissioned Officers' Mess.

Ed Donohue, Associate Head, Aircraft Department (Code 61A), will discuss "Airfield Operations." Robert Vorwerk, head, Range Operations Division (Code 622), will speak on "Range Operations." JPs are encouraged to attend the lectures.

**No. 39-111, Electronics Engineer, DP-855-3, Code 3954** — This position is located in the RF Systems Branch, RF Division, Weapons Department. The branch is engaged in radar altimeter design and advanced electronic counter-countermeasure (ECCM) signal processing techniques for future and existing air target seekers. The work involves concept formulation and validation via computer simulations, design, fabrication and testing of hardware. The incumbent will be responsible for one or more of these work areas. Knowledge of electronic engineering fundamentals, specifically as they apply to digital electronics, analog circuit design, microwave system design and radar system design and analysis is required. Programming in Fortran or Pascal is desirable. Submit SF-171 to Carl Lindsey, Code 3954, NWC ext. 2155.

**No. 39-017, Electrical Engineer/Electronics Engineer (DP-850/855-2/3, Code 3942** — This position is located in the Air-to-Surface Guidance Branch, Electro-Optics Division of the Weapons Department. The incumbent will participate in the design, analysis, and test of analog and digital systems related to electro-optical guidance. Knowledge of electronic design is required. Experience with software and microprocessors is desired. Must be able to work as a team member and communicate well and often with other members of the team. To apply send updated SF-171 to Don Gay, Code 3942, NWC ext. 3341.

**No. 39-104, Interdisciplinary (General Engineer/Electrical Engineer/Electronics**

**Engineer/Physicist/Mathematician/Computer Scientist), DP-801/850/855/1310/1520/1550-1/2/3, Code 3942 (3 vacancies)** — This position is located in the Air-to-Surface Guidance Branch, Electro-Optics Division of the Weapons Department. The incumbent will participate in the design, analysis, and test of digital systems and software related to electro-optical guidance. **Knowledge:** of software and digital design is required. Experience with the 68000 series microprocessors is desired. Ability to work as a team member and communicate well and often with other members of the team is required. To apply for this position, forward an updated SF-171 to Don Gay, Code 3942, NWC ext. 3341.

**No. 31-216, Interdisciplinary (Electronics Engineer/Aerospace Engineer/Physicist) DP-855/861/1310-1/2/3, Code 3143 (Four Vacancies)** — In the Tactical Aircraft WSSA Programs. Incumbent will be responsible for the technical support of Tactical Aircraft (A-6, A-7, AH-1, AV-8, F/A-18) instrumentation systems. Responsibilities include the design, development, fabrication, integration and test of required instrumentation systems. Position also requires planning and scheduling for long term requirements. Coordination and monitoring of contractor efforts as well as the supervision of a diverse group of workers on site (Systems Engineering). Experience in digital and microprocessor design for aircraft bus data acquisition and recording, telemetry systems and video data collection systems is desirable. To apply, send updated SF-171 to George Cerrone, Code 3143, NWC ext. 5635.

## Chico advisor visits Oct. 25

Dr. Orlando Madrigal of Cal-State University Chico will be on-center, Friday, October 25 to advise current and prospective students in the external degree programs offered by the school. Cal-State University Chico has external

## Recent additions

CODE	NAME	TITLE
01A4	Tani, Erica I.	Clerk-typist
083	Smith, Kathryn M.	Clerk-typist
0833	Lang, Lori A.	Clerk
084	Thompson, Kelli K.	Clerk
08606	Laracunte, Katherine	Clerk-typist
0902	Ashley, Debbie K.	Clerk-typist
096	Holford, Marsha E.	Clerk-typist
24211	Vanguilder, John P.	Firefighter
25253	Ross, Diane L.	Clerk-typist
3106	Loscar, Lynn M.	Clerk-typist
3109	Brown, Susan A.	Clerk-typist
3111	McMechan, James W.	Electronics Engr.
31142	Trinh, David B.	Electronics Engr.
31403	Schultz, Ronald E.	Electronics Engr.
3144	Tran, Phong T.	Electronics Engr.
3193	Hastings, Morlin P.	Mathematician
3194	Pon, Kinley K.	Mathematician
3194	Weich, Linda F.	Engrg. Tech.
3318	Pracchia, Nancy J.	Clerk-typist
3333	Hudson, Frank E. III	Electronics Tech.
3381	Palmer, William E.	Aerospace Engr.
3515	Horn, Russell L.	Mathematician
35404	Johnson, Stephen D.	Electronics Engr.
3604	West, William W.	Aerospace Engr.
3646	Jensen, Colin W.	Machinist
3646	McCune, William H.	Machinist
3662	Blashill, Stuart R.	Mathematician
3686	Koontz, Robert A.	Mechanical Engr.
3858	Hastings, Michael A.	Student Trainee (PS)
38902	Bain, Sonja L.	Clerk-typist
3892	Koshigoe, Shozo	Physicist
3893	Wilson, Renee M.	Clerk-typist
3921	Mahoney, Carol M.	Clerk-typist
3941	Hoggard, Shirley M.	Clerk-typist
6202	Wilson, Marie H.	Clerk-typist
62513	Prichard, Bernard B.	Electronics Tech.

## Recent departures

0854	Post, Judith K.	Clerk-typist
08623	Martin, Jo A.	Accounting Tech.
093	Bennett, Russell R.	Personnel Mgt. Spec.
25242	Schultz, Gary L.	Admin. Junior Prof.
26603	Compton, Betty J.	Clerk-typist
3193	Nevin, Joseph R.	Mathematician
3556	Bayne, Lawrence W.	Engrg. Tech.
3941	Martinez, Perry C. Jr.	Mechanical Engrg. Tech.
6121	Larson, John L.	Laborer