



**NETWORKING LUNCH** — Last Friday's brown bag networking lunch on the Headquarters Building lawn marked the conclusion of the Naval Weapons Center's observance of National Secretaries Week. While secretaries from offices throughout NWC had lunch and got better acquainted, "Crosscurrents," a bluegrass band, provided live entertainment. This band will also be featured during NWC's Heritage Week observance planned June 2-5. — Photo by JO1 Carolyn Dettling

## Suggestions about checks

Ninety percent of money payments are made by check.

They are safe, since it means you don't have to carry around a lot of cash.

You can pay bills by mail. And canceled checks serve as a good record of expenses.

But what if you mess up in writing your checks and fail to keep an accurate record of them? In that case, the benefits of a checking account can disappear, and you could find yourself with new problems.

Here are some pointers for avoiding errors and problems:

**Write left.** Print or write clearly all words and numbers as far to the left as possible. If you don't need all the space given, draw a line to fill the remaining space.

**Use a pen.** Never write a check in pencil or erasable pen.

**Use today's date.** The date on the check should be the current date. Some people date a check ahead (postdating) to a time when enough money can be deposited to cover the check. Bank tellers are instructed to refuse these; however, some postdated checks may get cashed or deposited anyway, causing an overdraft of your account.

Also, avoid giving or accepting a check dated six months or more in the past (staledated), since many banks will not accept them.

**Match numbers.** Make sure the amount in numbers and the amount in words are the same. It's the written sum that's legally binding. For clarity, use the word "and" only once -- between the dollar and cents figure. For example, write "One hundred twenty-five and 75/100," not "One hundred and twenty-five and 75/100."

**Match names.** Sign the check exactly the way your name appears on your signature card at your bank. If you have imprinted checks, it should be the same as the printed name on your check. Also, if a check is made out to you, endorse it on the back, left edge exactly the way it's made out to you, even if your name is misspelled. Then write your name correctly underneath.

**Double check.** Don't sign the check until you're sure the information in correct and complete. If you goof, write a new check. An altered check looks suspicious and might not be accepted by a bank or another party. If you accidentally tear a check so that some numbers are missing, write a new one. You may have destroyed some information used to process the check.

**Keep a record.** Immediately record the check number, amount date and person or organization the check is made out to on your checkbook stub or register. This helps prevent overdrawn your account and serves as a personal record of the action. Also, be sure to record in your checkbook register any "money machine" withdrawals from your checking account.

**Report missing checks.** Notify your bank immediately if your checks are lost or stolen. Cancel your current account and open a new one.

A signature that's not yours on lost or stolen checks won't always be detected.

★ U.S. Government Printing Office  
 1987 — No. 40054

FROM \_\_\_\_\_ PLACE STAMP HERE \_\_\_\_\_

TO \_\_\_\_\_

## Buyers, sellers to get together

Bargain hunters and sellers will get together tomorrow morning at a giant swap meet in the parking lot at Bennington Plaza. The meet, sponsored by the Recreational Services Department, will begin at 8 a.m. and last until 1 p.m.

Here's a good opportunity for those who have cleaned out their garages to sell the items they no longer want (rental space is only \$3 for sellers), and for buyers to find exactly the item they've been needing at a low price.



Glenn Grab, cello soloist, will perform the Saint-Saens "Cello Concerto in A Minor" in the Desert Community Orchestra's final concert of the season on Sunday at 3 p.m. at the Center theater.

Conductor Ron Burdick has selected the "Serenade for Winds" by Antonin Dvorak and Zoltan Kodaly's "Hary Janos Suite" to round out the program.

Single concert tickets, available at the door at 2:30 p.m., are \$6 for general admission and \$4 for students, senior citizens and active-duty military personnel.

Tomorrow and Sunday the Kern County Museum at 3801 Chester Avenue in Bakersfield will celebrate its 20th annual Heritage Days and all residents of Kern County are invited to join in the fun.

The affair opens with a parade at 11 a.m. tomorrow, with continuous entertainment throughout the afternoon. Music to suit all tastes will be interspersed with such performers as folk dancers, the Swinging Grandmas, the Mid-Eastern Dancers of Joy and the Kern River Country Western Dancers. Formal programming ends Saturday with a Country Western Concert.

While all this is going on, there'll also be shoot-outs, rides and other events taking place throughout Pioneer Village, along with demonstrations of various crafts ranging from quilting to horse-shoeing. Strolling musicians will be playing bluegrass and gospel music and there'll also be folk singing.

On Sunday, events start with Dixieland jazz at the bandstand at noon, but the shootouts and craft demonstrations will be underway by 10:30 a.m. There'll even be organ music at the church for those so inclined.

Cost of admission is \$5 for adults, \$4 for seniors and \$3 for children from 6 to 12 on Saturday and \$4, \$3 and \$2 for the same groups on Sunday.

Although no formal celebration will be held on board, NWC joins in saluting Mexican Americans on Cinco de Mayo (Fifth of May), one of the great days in Mexican history that is celebrated by Mexicans at home and in other nations.

This day is the anniversary of the battle of Guadalupe, which took place near Pueblo during the campaign of the French to make Maximilian Emperor of Mexico. A force of about 2,000 Mexican troops repulsed a French force of 6,000.

The public is invited to browse or buy at the Galleria spring showing and sale in the River Room at the Carriage Inn tomorrow from 10 a.m. to 6 p.m. and Sunday from 10 a.m. to 4 p.m. Participants are Joanne Ingle, watercolors; Rosalinda Burdette, pottery; Bill Tomaras, jewelry; and Vincenzina's Yarns Unique, yarns and knitted garments. For more information call Rosalinda Burdette at 446-2343.

Seven instructors from Cerro Coso Community College are exhibiting their works at the Sylvia Winslow Gallery or the Maturango Museum during May. A reception honoring the artists will be held on Sunday from 2:30 to 4 p.m. at the gallery and the public is invited to attend.

A slide presentation by the artists will follow the reception at 4 p.m. Artists exhibiting their work include Mark Archer, Richard L. Benson, John Dunker, Steven Emrick, Erling Sjøvold, Hal Williams and Henry Woolbert.

Milt and Betty Speckels will show slides of their recent trip to Alaska at a meeting jointly sponsored by the Photo Club and the Maturango Museum. The program will be presented at the museum on Thursday at 7:30 p.m.

The Speckels and 10 others spent eight days on a small boat photographing wild life and scenery among the small islands and coves of southeastern Alaska.

## Movies

FRI., SAT., SUN. MAY 1, 2, 3  
**"STAR TREK IV, THE VOYAGE HOME"**

Starting  
 William Shatner and Leonard Nimoy  
 (Science-Fiction, rated PG, 119 min.)

WEDNESDAY MAY 6  
**"NIGHT OF THE CREEPS"**

Starting  
 Jason Lively and Steve Marshall  
 (Suspense Thriller, rated R, 89 min.)

FRIDAY MAY 8  
**"LITTLE SHOP OF HORRORS"**

Starting  
 Rick Noranis and Ellen Greene  
 (Musical Comedy, rated PG-13, 94 min.)

Starting Time: Evening / 7 pm

(G) ALL AGES ADMITTED  
 General Audiences

(PG) ALL AGES ADMITTED  
 Parental Guidance Suggested

(R) RESTRICTED  
 Under 17 Requires Accompanying Parent or Adult Guardian



	Max	Min	Gust	Precip
Fri.	93	52	13 knots	-
Sat.	97	51	20 knots	-
Sun.	94	64	29 knots	trace
Mon.	98	57	23 knots	trace
Tues.	91	54	22 knots	trace
Wed.	89	61	26 knots	0.05
Thurs.	83	54	32 knots	-

All measurements are made at Armitage Airfield.

## Navy pushes for insensitive munitions inventory

Because Navy munitions aboard ship can be a major hazard, CNO policy has been established defining insensitive munitions (IM) and setting as a requirement the maintenance of weapon operational capability while providing an insensitive arsenal by 1995.

Mild weapon reactions are required to unplanned stimuli, which include slow cookoff (the weapon reacts to a gradual rise in temperature over a long period of time), fast cookoff (the weapon reacts to a rapid rise in temperature), bullet impact, fragment impact and sympathetic detonation (the weapon is exposed to another weapon's detonation).

Slow cookoff (SCO) is proving to be one of the most difficult of the IM problems to solve.

Ordnance tested to SCO generally reacts with much greater violence than when tested to fast cookoff. The slow heating rate allows for the storage of a large amount of thermal energy in the ordnance and exposes the item to high temperatures for a long time. This may cause physical changes to the energetic materials. When pressure confinement is added, the munition reaction is frequently a detonation.

Further complicating the picture is a suspected "temperature of no return" whereby, after a certain amount of heating, internal heat-generating reactions can occur. Beyond this temperature point, no additional external heat is required to cause the ultimate reaction. Indeed, even external water cooling cannot stop the reaction. A violent event could occur when all danger is assumed to be past.

Past SCO incidents include the Benson, Arizona and Roseville, California freight train explosions.

Also possibly caused by the SCO mechanism was the USS Enterprise catastrophe, which was presumed to have been initiated when one or more Zuni rockets loaded on an F-4 aircraft were cooked off by exhaust gases from an aircraft starting tractor engaged in starting the same F-4. The exhaust gases provided a convective heat source of 500 degrees Fahrenheit. Twenty-seven people were killed, 344 injured and 15 aircraft were lost.

During World War II, both the USS Princeton and the USS Lexington were lost hours after having been attacked by Japa-

nese bombers. Ordnance had impacted both ships, causing fires near the ships' ordnance storage areas and ultimately causing their destruction due to massive detonations of their own ordnance.

The challenge to NWC and other technologists is to ensure a relatively mild ordnance reaction in the SCO scenario while the munition retains the ability to perform in its design mode when required.

Even defining and judging an acceptable reaction has proven to be difficult. NWC has established the Ordnance Hazards Evaluation Board chaired by Ray Miller (Code 327) to review tests and judge the results.

Pat Yates, Inensitive Munitions Ad-

vanced Development Manager for Air-Launched Ordnance Sections (Code 33505), has been working with warhead cases, fuze design and intervention/mitigation devices that can be readily incorporated into warheads and fuzes already in the fleet as well as with advanced designs that would be applied during future production.

While the technology to make warheads, especially smaller ones, insensitive to SCO is now maturing, rocket motors almost invariably react to this threat in an unacceptable manner. It has been postulated that the slow heating rule may allow for the formation of a porous, detonable ammonium perchlorate mixture.

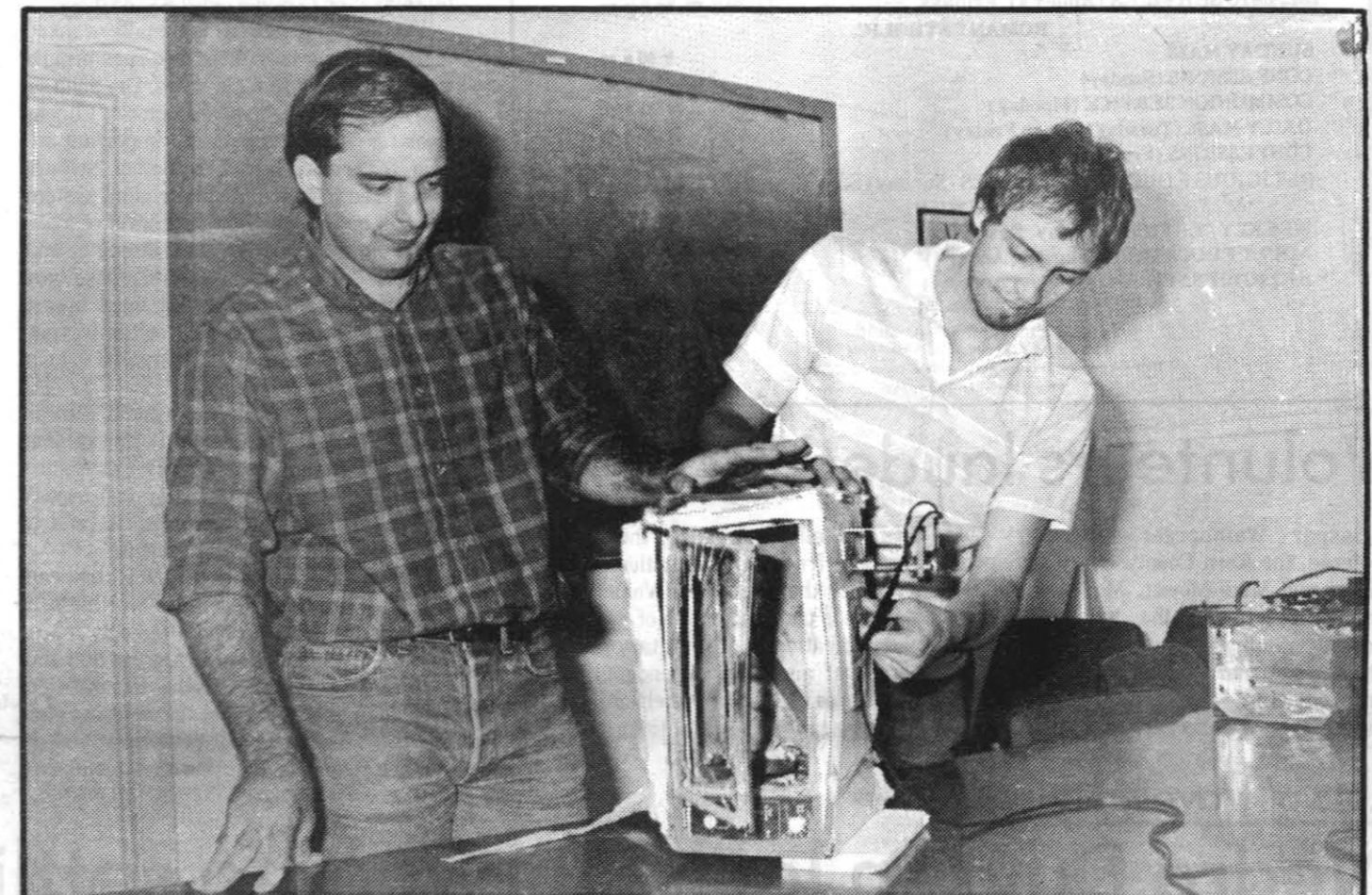
Generic propellant work being conducted at NWC under the cognizance of Andrew

Victor, Inensitive Munitions Advanced Development (IMAD) Manager for Propulsion, is resulting in a better understanding of the SCO mechanism as it relates to rocket motors.

To obtain qualitative information needed for understanding of what changes occur in propellants subjected to SCO conditions, Amos Diede, Code 3273, has been conducting small scale tests.

"We are testing rocket motor propellants currently in fleet use," says Diede. "The results are interesting because of the variety of responses displayed by the different formulations."

"The ultimate goal of our characterization effort," he added, "is to isolate (Continued on Page 4)



**SAVING DOLLARS** — Amos Diede, Code 3273 (left) and Rob Prichard, Code 3274, have been using toaster ovens to conduct small-scale slow cookoff studies of fleet propellants. These inexpensive household appliances are reusable — this one has been used four times — and can be instrumental for data gathering and modified to provide the slow heating rates required for the tests.

## Extraordinary analysis efforts wins key award

Extraordinary analysis work in support of several major programs for the Naval Weapons Center and the Navy brought the Technical Director's Award to Thomas Seufert of the Weapons Planning Group (Code 12).

In nominating Seufert, an operations research analyst, for this honor, P.G. Arnold, head of Code 12, said he led a group of Code 12 analysts in supporting first OP-095's Advanced Anti-air Warfare (AAW) Appraisal for the POM and then OP-095's AAW Master Plan.

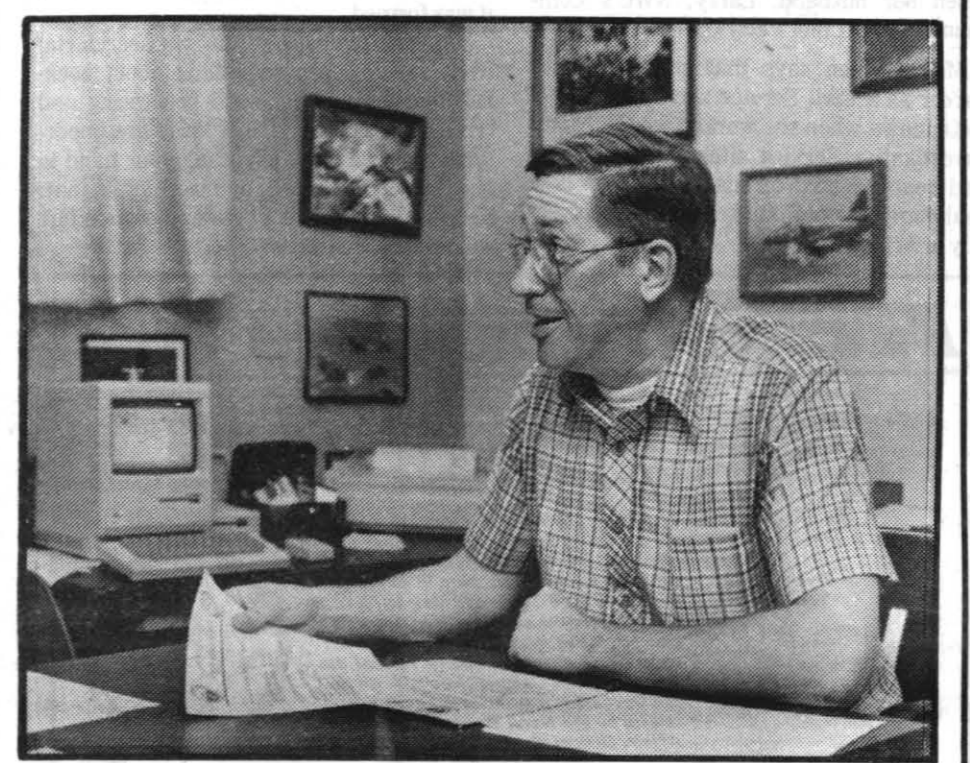
"This work," noted Arnold, "is a credit to both the team and NWC. It is unique in its depth, accuracy, coverage and ability to successfully evaluate competing major systems. The product of Mr. Seufert's work permits assessing the relative value of a variety of system options on Navy outer air battle capacity."

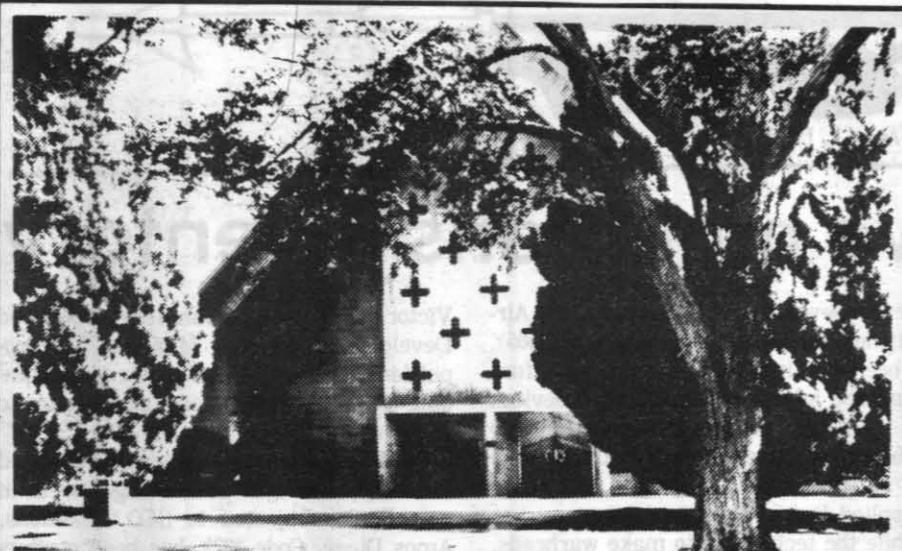
Earlier in his career at the Naval Weapons Center, Seufert had supported the Advanced Anti-air Warfare Group (AAWG) in evaluating competing concepts for either an advanced air-to-air missile or an advanced surface-to-air missile.

Arnold's letter of nomination said, "Mr. Seufert's knowledge, courage, skill and industry in reviewing, correcting and extending work which the AAWG had been doing was a major factor in that group's decision to support an advanced air-to-air missile concept."

Seufert came to the Naval Weapons Center in January of 1962. He graduated from the University of Missouri with a degree in physics.

**TD AWARD WINNER** — Tom Seufert's work as a Weapons Planning Group analyst brought him recognition recently as NWC Technical Director, Gerry Shiefer, presented Seufert with the Technical Director's Award for his sustained effort with Code 12.





## Divine Services

**PROTESTANT** 10:30 a.m.  
**SUNDAY WORSHIP SERVICE** 9 a.m.  
**SUNDAY SCHOOL (Annexes 1, 2, 4)**  
**BIBLE STUDY (East Wing)**  
 Wednesday 11:30 a.m. Sept. through June  
 Thursday 7:00 p.m. Officer's Christian Fellowship  
 Christian Military Fellowship  
**ISLAMIC SERVICES (Annex 4), Fridays** 11:30 a.m. to 2 p.m.  
**ROMAN CATHOLIC**  
**SUNDAY MASS** 9:00 a.m.  
**CONFESSIONS (Sunday)** 8:15-8:45 a.m.  
**COMMUNION SERVICE (Monday)** 11:35 a.m.  
**DAILY MASS (Tuesday through Friday)** 11:35 a.m.  
**CONFESSIONS (Friday)** 4:30-5:00 p.m.  
**RELIGIOUS EDUCATION CLASSES (Sunday) Sept. to May** 10:30 a.m.  
**JEWISH**  
**WEEKLY SERVICES (Friday, East Wing)** 7:30 p.m.  
**ADULT EDUCATION (Saturday, Annex 4)** 9 a.m.  
**RELIGIOUS SCHOOL (Sunday, Annex 4)** 1 p.m.  
Chaplain J. Milton Collins, Capt. CHC USN  
 Chaplain R. J. Smith, Cdr. CHC USN  
 Chaplain C. R. Breda, 1st Lt. CHC USN  
 Hearing impaired equipment available. Numbers available  
 Phone NWC ext. 3506, 2713

## Volunteers lauded by DOD

Caspar Weinberger, Secretary of Defense, the Kern County Board of Supervisors and Mike Mower, Mayor of Ridgecrest, are among the individuals and groups saluting volunteers nationwide during National Volunteer Week which ends tomorrow.

DOD installations, said, "the tremendous response from DOD activities all over the world for the President's Volunteer Action Awards is truly indicative of the generosity and dedication of our military and civilian personnel and their dependents in giving their name to unselfishly help others."

Secretary Weinberger, in a message to

## Lots of travel in past

# Nedra Duysen looks forward to settling down

"I'm looking forward to no more moves!" says Nedra Duysen, department secretary for the Personnel Department.

She says that she has enjoyed the wide range of places that she's lived as a Navy wife — which include such exotic spots as the Azores, Bermuda, Portugal, the Philippines and Okinawa — but that she is looking forward to dropping an anchor and staying put (in one house) permanently when her husband, Larry, NWC's Command Master Chief Petty Officer, retires.

Mrs. Duysen says that she began her career as a Civil Service secretary in 1976 in Okinawa when she worked for the Naval Investigative Service after her son, Tony, had reached sixth grade (Tony now is a real computer buff studying at the University of Arizona).

"Being a secretary," she notes, "is not an easy job. You have to have real knowledge and understanding of the organization to be able to meet the needs of your employer, as well as having good secretarial skills."

She has honed her own secretarial skills by taking classes at Cerro Coso Community College since coming to work at NWC in 1980 and has been playing an active role with the Corporate Secretaries Board since it was formed.

"Anyone planning to go into secretarial work should learn something about book-keeping, accounting, word processing and typing," she notes. "All of these are important, but even more is putting your mind to being a good secretary and working at that. Those willing to make that kind of an effort will do very well at NWC."

## Physical fitness month inspires new activities

May is Physical Fitness Month. Physical fitness is not only for the athlete, but for every man, woman and child. Exercise is as important to total well-being as a healthful diet and enough sleep. How much exercise do you need? The answer depends on your age and sex, on your present and past physical condition and on the kind of life you lead. To help you set up an exercise program suitable to your personal needs the Center Library has a variety of books to guide you.

"The Complete Encyclopedia of Exercises" offers tests that allow you to assess and rate your own fitness, explains the reasons for the different forms of exercise and details the benefits to be gained from each. The exercises range from those for general health, slimming and pregnancy through bodybuilding and sports to yoga and jogging, as well as techniques for mental relaxation to relieve tension and stress.

Whether you are a nationally ranked tennis pro or a housewife who runs around the block a few times a week, Dr. John L. Marshall's "The Sports Doctor's Fitness Book for Women" has some important advice for you. With a series of self-administered tests and a simple point system you can quickly find out your level of agility, endurance, power and strength and whether you are loose-jointed. Once you know where you stand in all these areas, you can pick the sport best suited to your strengths and the exercises targeted to help overcome the weaknesses.

"The Parent's Book of Physical Fitness for Children," by Dr. Martin Lorin explains to concerned parents how they can ensure the health, well-being and physical fitness of their child through proper diet and a proven program of regular exercise.

"Getting in Shape," by Frank Katch, can change your life. Exercise is worthless if you hate it and give it up after only a few days. This book tells you how to find the exercises you need and the incentive to keep doing them. Without the right food for fuel these exercises will be no fun. And, if you are reducing, with the right combina-

tion of exercise and diet you'll get healthier not sicker as you slim down and get fit. None of this works unless you gain the self-understanding to break your old habit patterns. The behavior modification techniques in this book will give you the key to setting the new patterns you want.

"Rating the Exercises" is a definitive book of the pros and cons of physical fitness. The author, Charles T. Kuntzleman, investigates every major exercise program, from aerobics to yoga and assesses each one realistically in relation to individual goals. Kuntzleman presents all the hard facts about fitness. After reading these pages, the facts will stand out so clearly in relation to one's own body requirements that for the first time ever the choice of the right exercise can be made with total assurance, whatever one's age or level of fitness.

Dr. Herbert A. DeVries in "Fitness After 50" presents a complete exercise prescription for everyone who wants to live longer and enjoy life more. It is never too late to be fit. In fact, older people benefit greatly from a regular exercise program. Such chronic ailments as high blood pressure, shortness of breath, obesity, nervous tension and fatigue all are overcome or improved through the simple, self-administered exercise regimen presented in this book.

Readers may call NWC ext. 2595 to reserve any of the mentioned titles, or better yet come in and browse; you are sure to find the book that is right for you.

The Center Library's hours are: Monday through Friday 11 a.m. to 8 p.m.; Sunday 12 noon to 4 p.m.; closed Saturdays.

— By Elizabeth Schantler

**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)

She adds that NWC is also a fun place to work because "you have the opportunity to move around and learn new areas." Her own moves on board took her from Code 35 (where she worked for Gerry Schiefer, currently NWC Technical Director) to Code 12 and then the Cruise Missile Program Office before she went to work in her current job.

"I always liked learning as much about an organization as possible," Mrs. Duysen says. She feels this has been invaluable in helping to carry out her additional work of

being the administrative focal point for the Center's NSTEP and NSAP activities.

Her enthusiasm for the secretarial field bolstered her being chosen to head this year's Secretaries' Week at NWC. "I hope that it helped make all the secretaries on board realize that they are professional," she adds.

Off-duty occupations include playing golf with her husband, Larry. "I could really get into that," she says. Mrs. Duysen also enjoys sewing when she has the time.



**ENJOYS NWC** — Nedra Duysen thinks the Center is a fun place to work because of the opportunity to move around and learn new things. — Photo by PHAN Bob Reynolds

## Not all the big ones got away

Limits of rainbow trout weighing about one pound each were common at Crowley Lake, Lundy Lake and Bishop Creek as the 1987 eastern Sierra trout season got underway last Saturday.

As usual, anglers who were up with the sun got the most fish and some of the largest. The biggest trout of the day was a massive 10-pound 12-ounce German brown taken early in the day from Bridgeport Reservoir. At Convict Lake a trophy brown tipping the scales at 10 pounds 9 ounces was hooked by a Southern California angler while trolling.

The best stream fish came from the East Walker River, one of California's top wild trout rivers. One angler, fly fishing, hooked and landed a lunker brown weighing six pounds 12 ounces.

Fishing in the eastern Sierra region is expected to remain hot this weekend. Crowley, Convict and Bridgeport Lakes are among the most popular spots for anglers in quest of limits. The June Lake Loop, Gull Lake in particular, is home to more large trout than most other roadside waters. Pressure at June, Silver and Gull Lakes will probably remain heavy through this weekend.

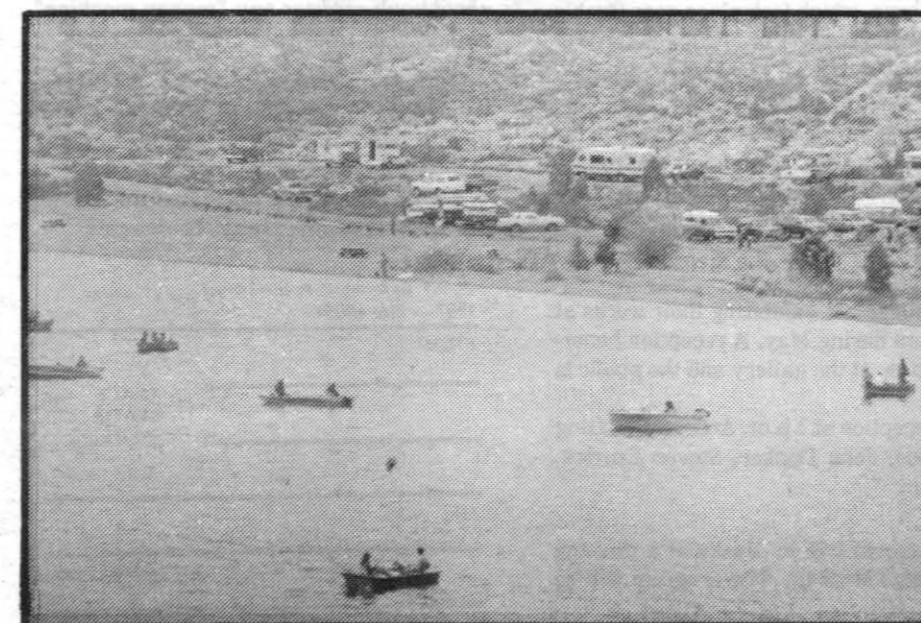
California Department of Fish and Game personnel have begun stocking many roadside lakes and streams with catchable rainbow trout on a weekly basis. These fish, in the thousands, will make up the bulk of what visiting anglers take home to cook.

Area anglers who head north should remember Crowley Lake is now just a five-fish limit and until July, all tributaries to the lake, including the upper Owens River, are restricted to a two-fish limit and the fish must be a minimum of 18-inches long and taken on artificial lures and a single, barbless hook only.

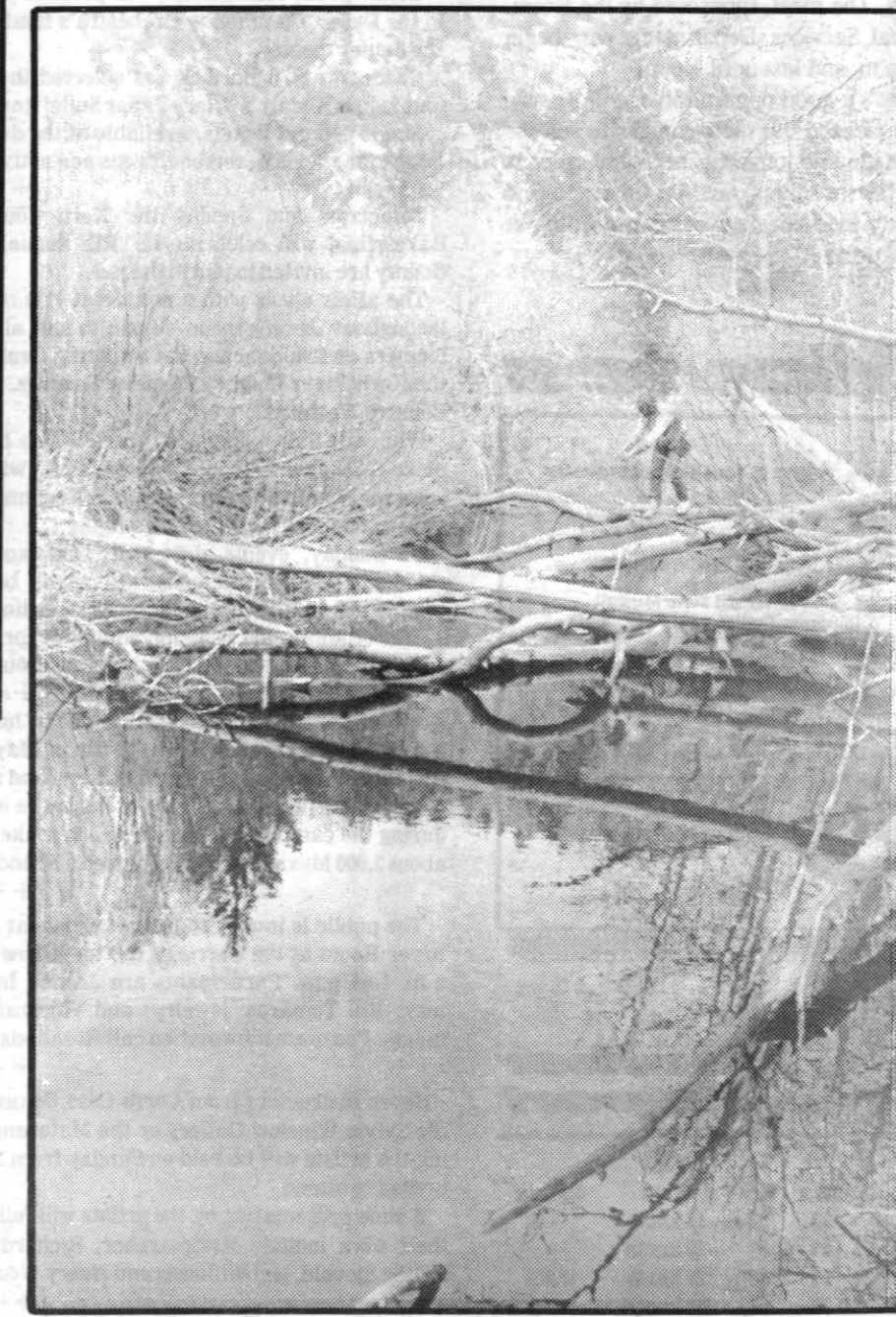
Streams from Cottonwood Creek in the south to Lee Vining Creek in the north are in excellent condition for fishing. The less than normal snowpack in the high country means less than normal runoff, keeping streams fishable even early in the season.

Fishing's great -- why not throw a line, hook and bait in and give it a try.

Story and Photos by  
**Steve Boster**



**OPENING DAY** — Anglers shove off from the shore of Silver Lake in search of elusive trout. A couple of thousand anglers lined the shores of the lake or worked from boats as the 1987 trout season began.



**TROUT FISHING** — At June Lake (bottom left) and along Rush Creek anglers tried their luck with flies, worms, salmon eggs and more in a quest for their limit of tasty or trophy trout.

# Close games highlight weekend of soccer action

Sixth week of play for the NWC's Youth Soccer league saw some hard fought games.

**Drillers 2, Earthquakes 2**  
Despite playing short-handed, Chris Potten's two goals and Becky Rogers', David Verbeck's and David Prince's outstanding defensive plays kept this game close. Michael Schuchman and Michel along with Reed Zamien kicked in the Earthquakes' two goals. Chris Kajiwara was the Earthquake's motivating force.

**Tornadoes 3, Diplomats 1**  
Kenny Carr slammed in two goals and Todd Redmond kicked in the other goals for the Tornadoes. Scott Richison had a great defense and Tim Vickers showed tremendous potential in the win. Tami Vaughn, assisted by Marcus Lopez knocked in the only goal for the Diplomats. Jimmy Cribb and Andy Scott played a good game in the loss.

**Fury 2, Rogues 1**  
Playing short-handed due to the Junior Olympics, the Rogues loaned the Fury three players. Goals were made by David Caraker and Brent Seybold.

**Strikers 2, Stings 0**  
Good defensive plays by Robert Ricks and Jessie Beitnes and two goals knocked in by Jason Bowling led the Strikers to victory. Defensive plays by Jason Ford and Michael Koelsch and offensive plays by Akini Garrett, Luke Woydziak, Rebecca

Moldenhauer and Kendra Sharon helped the Stings keep the Strikers' score down.

**Aztecs 2, Soccers 1**  
Mike Hobson scored both goals in the win with Frank Gamble playing center and Tony Dominquez playing forward. Ryan Lilly kicked in the only score for the Soccers who had good defensive plays by John Hopeck and Greg Greedy.

**Lancers 8, Timbers 0**  
Vasken Haroutunian, David Estis, Jonathan Mickelsen, Jamie Swaden and Avo Haroutunian all made goals in the win. Paul Leblanc and Warren Riehm made outstanding efforts for the Lancers. Defensive plays by Melissa Ames and offensive plays by Jenny Glasco weren't enough for the Timbers in this shutout.

**Owls 3, Roadrunners 2**  
Michael Curtis' two goals and Cheryl Wiegert's one goal led the Owls to victory. Help in the win was provided by Jeff Robbins' excellent defense and good plays by Phillip Borden. A gallant team effort and great offensive moves by Crim Piper and Ember Shedlock, as well as good de-

fense by Brian Riggs just wasn't enough this time for the Roadrunners.

**Apollos 0, Cobras 0**  
Excellent defense by both teams kept the other from scoring. Apollos' defensive players were Jimmy Hutmacher, Steve Shultz and Roy L'Hommedieu. Joshua Kirkpatrick, Matthew Armstrong, Anthony DeCarlo and Andrew Gates did a great job of controlling the ball for the Cobras.

**Eagles 1, Express 0**  
Rayon Lopez made the only goal of the game. Megan Frisbee, Carlos Tover, Nathan Michelson and Nicholas Ford were outstanding players for the Eagles. Candence Tidwell hustled the ball time and time again for the Express, but couldn't score. Justin W., Jason L. and John R. played well in the loss.

**Rowdies 5, Coyotes 0**  
Passing and assists were they key to this win. Justin Ragantesi, Adam Shoenberg, Chris Peters, Peter Greedy and Kate George all had goals for the Rowdies. A good try was provided for the Coyotes by Joshua Roberts, Jarrett Burke and Shannon

Webb.

**Diplomats 1, Kicks 1**  
Kicks had good team play with David Moreno booting in the only goal. Jerry Green, Mic Ryan, Brad Harper, David Renner, and Tommy Fuller showed excellent defense for the Kicks while Ryan Flores and Brad Harper were excellent goalies. The Diplomats goal was kicked in by Miles Ross with an assist from Sean Waldron. Diplomats' Paul Underwood and Haydon Wilson played excellent defense.

**Whitecaps 2, Rogues 1**  
The first half of this game saw lots of action. The second half saw one score for the Rogues and some very tired players. Noteworthy goals for the Whitecaps were made by Tim Castleberry and Ralph Jorgensen. Great hustles were exhibited by Castleberry and Alan Harley in the win.

**Roughnecks 7, Whitecaps 1**  
Goals by Aaron Schwartz, Sean Williams, Jonathan Rae and Eric Armstrong won the day for the Roughnecks. Good defense was provided by Mike Eberhart and Don Hill in the win. Whitecaps played with only seven players with the lone goal kicked in by Steve Sticht.

**Aztecs 2, Drillers 0**  
Jimmy Haynes, Jeremy Polich, Becky Rogers, David Verbeck, Jeff Caruso, and Lacey Cordell gave it their all but couldn't offset the Aztecs. The Aztecs didn't turn in a score sheet.



## Sports

### Rams dispatch five players to encourage Fitness Month

Five key members of the Los Angeles Rams will be at the Naval Weapons Center today and tomorrow to help the Center kick off National Fitness Month events.

Leading the Rams' contingent will be 11-year veteran linebacker Carl Ekern. The Rams will open their visit to NWC with an autograph signing session in the Enlisted Mess tonight from 6:30-9:30 p.m. They will also talk about physical fitness.

Tomorrow (Saturday) morning Ekern, joined by Darren Long, second year tight end; Irv Pankey, a seven-year veteran offensive tackle; Duval Love, a guard in his third year; and Duke Shamel, a tight end who spent last year on the injured reserve list, will be at the Recreational Services

Department's Swap Meet. They'll take on any interested physical fitness buffs in an arm-wrestling contest until 9 a.m.

One of the highlights of their visit will be the start of the Youth Mini-Triathlon at 9 a.m. from Kelly Field. One of the players will act as master of ceremonies for the event and talk about fitness. The first 10 finishers in each group will receive certificates signed by the Rams' players.

From 11 a.m. to 1 p.m. these five professional football players will be at Solar Park for the Mini-Triathlon awards ceremonies. They'll end the visit to China Lake by taking part in a bowling tournament at Hall Memorial Lanes from 1 to 4 p.m.



**GOOD PITCHING** — Behind strong pitching from Larry Staples, the Tigers beat the Red Sox in the opening day of the China Lake Little League season last Saturday. Fans and motorists are reminded the barricades blocking Inyokern Road at Dibbs and Richmond Road are there for safety so please do not drive around them or move them. — Photo by Peggy Shoaf

### Center sporting shorts

Today, May 1, is the deadline to submit softball rosters to the Recreational Services Department's Sports Office for the 1987 Intramural Softball League season. Action in the league begins Monday, May 11 at 6 p.m. at NWC's Schoeffel Field. May 5 is the final date for teams to enter the league. +++

Runners can register through May 13 for the Sports Branch's five kilometer fitness run on May 16. This run is open to all personnel. Sign-ups through Wednesday, May 13, may be accomplished at the Center Gym. +++

Anyone interested in playing in a summer adult basketball league should plan to attend an organizational meeting in the NWC Gym, 4:30 p.m., Wednesday, May 20. The league should start in mid-June. +++

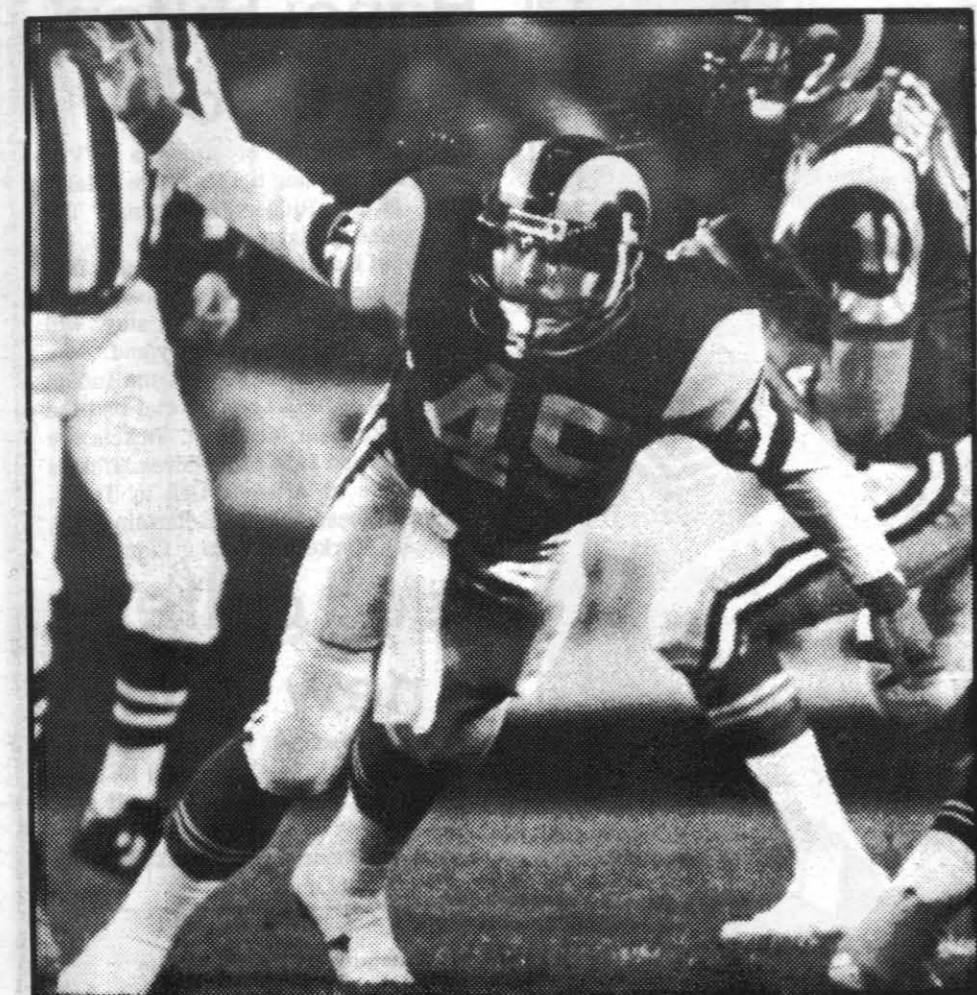
League sign-ups are now being taken for

the summer bowling season at the Naval Weapons Center. For more information on this season call Hall Memorial Lanes at NWC ext. 3471. +++

Members of the Scorpion Soccer Club will serve as waiters and car washers as they hold fund raising activities to help pay for their upcoming tour of West Germany. A spaghetti dinner set Sunday, May 3 at the Eagles Lodge will go from 5 to 8 p.m. Tickets are \$4 for adults and \$2 for children under 12. +++

Going into the final week of play, the Roofing Company and Rec Wreckers were atop their respective divisions in NWC Intramural Volleyball League action with identical 10-1 records.

In the "A" Division, GBU and the Ball Busters are tied for second place with 10-2 records. CCCC and Volleycules sport 10-3 records to hold a tie for second place.



**PASS PROTECTION** — Darren Long (45) of the Los Angeles Rams is seen in action as he gets ready to do a little pass protection blocking for quarterback Jim Everett in the Rams' 1986 game against the Dallas Cowboys.



## The Skipper Sez...

### QUESTION

**Civilian employee** -- I just called National Car Rental out in town to find out how much it would cost to rent a car this weekend. It was informed that they had a standard rate for civilian employees. It is \$34 for a compact car. However, they rent a car for \$28.95 to someone who is not a civilian employee on the base. That sounds to me as if we are being discriminated against because we are federal employees. I would like an answer to that, if at all possible. Thank you.

### ANSWER

A follow-up call was made to the local National Car Rental agency to inquire as to the rationale for quoting you a higher rate to rent a compact car for personal business because you are a civilian employee on the base than to someone who is not. The report we got back was that the rate for personal business is the same for a civilian or non-civilian employee. We learned that rate to be \$27.95 a day with 100 free miles a day and 30 cents a mile for additional miles; the car must be rented for at least two days after noon on Thursdays; at least two days on Fridays, Saturdays and Sundays, although one-day rental is permitted.

The \$34 per day rate you were quoted is the government rate for government business with unlimited mileage allowance if the car is returned to the check-out location. If the car is dropped off at a different location, there's a 20 cent per mile charge but no drop-off fee. I believe there may have been a misunderstanding between the rate quoted for government business and personal business.

Rental car charges can vary from location to location and agency to agency, frequently depending on promotional activities and competition. It pays to shop around for the best price! Thanks for your query.

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 queries are directly from Capt. John Burt. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this not required otherwise. There is no intent that this column be used to subvert normal established chain of command channels.



**AIRSPACE MANAGER** — Robert (Rocky) Lane receives the Commander's Award for Mission Support while his wife, Nina, looks on. Capt. John Burt, NWC Commander, made the presentation on April 28. — Photo by PH2 Bob Reynolds

### Lane gets Cdr.'s Award

Robert (Rocky) Lane was not only surprised when he was called forward at the April 27 NWC Commander's meeting, he was "overwhelmed" with the presentation of the Commander's Award for Mission Support from Capt. John Burt, NWC Commander. Lane, who thought he was there to do a briefing, was joined by his wife, Nina, when he received the award.

Nominated by Capt. K.E. Allen, head, Aircraft Department, Lane was lauded for his work in the NWC Airspace Management Program. "Since his arrival at NWC in February, 1982 Lane has worked tirelessly to preserve the R-2508 Airspace Complex for military operations," said Capt. Allen in his letter of nomination. The letter also noted Lane's efforts had been direct factors in the preservation of the R-2508 Airspace Complex, while highlighting the importance of a comprehensive, ongoing airspace management program.

Capt. Burt noted this part of his job was one he really enjoyed, being able to recognize people, such as Lane, who do more than is expected of them because the

job needs to be done. The R-2508 Airspace Complex is recognized as one of the best managed such complexes in the United States. Lane receives much of the credit for this because of his participation in meetings and conferences with military and civilian air space controlling agencies and his vigorous interaction with government and citizen groups to ensure continued understanding of and support for the NWC mission.

Lane has also established himself as person with the most comprehensive corporate knowledge of the R-2508 management. The Complex Control Board, accountable to the commanders of NWC, Edwards AFB, George AFB and Fort Irwin, relies heavily on his advice and recommendations.

As a result of Lane's ongoing efforts and that of the airspace management board, the R-2508 program was recently commended by Project Blue Air (a CNO directed review of special airspace) as a model program. Capt. Allen said Lane's "efforts were in no small part responsible for the program's success and reputation."



**PLANNING GOES WELL** — Julia LeBlanc and Dillard Bullard, who are co-chairing this year's American Heritage Week celebration June 2 through 5, are pleased with the activities that the committee has lined up. Events scheduled will be open to all residents of the Indian Wells Valley. — Photo by PHAN Bob Reynolds

### Briefcases in danger

Naval Weapons Center personnel traveling through Los Angeles International Airport (LAX) should be aware of a rash of incidents involving stolen briefcases.

An NWC traveler recently had his briefcase stolen after he set it down while standing in line. According to the Naval Security and Investigative Command (NSIC), there have been numerous reports of stolen briefcases at LAX. In all instances, the victims have been standing in lines, usually to

purchase airline tickets or pick up rental cars and have set their briefcases on the floor.

Most of the briefcases have later turned up in restrooms after all valuables have been removed.

Center personnel who carry classified or material otherwise deemed sensitive should take appropriate precautions while travelling.

### MIPI effort is honored

Because Glen Dunn does not give up easily, the Navy, the Department of Defense and the Naval Weapons Center are better off. A veteran planner/estimator in the Maintenance Control Division of the Public Works Department, Dunn now has a Commander's Award for Mission Support and an approved Model Installation Plan Initiative (MIPI) to show for his persistence and attention to detail in finding the right kind of paint for road striping.

Capt. John Burt, NWC Commander, made the Commander's Award presentation to Dunn at the weekly Commander's meeting on Monday. The Skipper said he used Dunn's MIPI as an example of how the Model Installation Program can be used to solve practical problems for DOD.

NWC Public Works Officer, Capt. R.M. Cugowski, nominated Dunn for the Com-

mander's Award based on his initiative and perseverance in obtaining a waiver to the mandatory procurement of traffic striping paint for General Services Administration stock. This waiver was the first MIPI from NWC to be approved by the Secretary of Defense for DOD-wide use and will save the Naval Weapons Center about \$95,000 a year in maintenance costs.

Prior to NWC being designated a Model Installation, Dunn had spent nearly two years in futile attempts to get a waiver from GSA to use the same kind of paint California Department of Transportation crews use to paint state highways. A test at NWC on a stretch of roadway showed striping that had to be repainted four times a year with GSA paint, would last two years when painted with paint meeting state standards.



**COMMANDER'S AWARD** — Glen Dunn's efforts in getting a more durable paint for roadway striping brought him the Commander's Award for Mission Support from Capt. John Burt, NWC Commander. — Photo by PHAN Bob Reynolds

**NOTES Pages from the Past**

Capt. Melvin R. Etheridge became Commander, Naval Weapons Center, in September 1967 after he completed a tour of duty as Commanding Officer of the USS Wasp.

After graduation from the Naval Academy in 1942, he became a submariner, serving on the S-18 and the USS Drum during World War II before entering flight training and being designated a Naval Aviator in 1947.

His training in bioradiology (a master's degree from the University of California) was put to good use when he was with headquarters Defense Atomic Support Agency and with the Nuclear Weapons Training Center, Pacific. He participated in the Military Effects Tests, resulting in the detonation of the first thermonuclear device at Eniwetok in the Pacific.

Capt. Etheridge completed 28 years of Navy service and retired when he was relieved as Commander, NWC, in October 1970.

**China Lake Police Reports**

Last Friday a pedestrian in the Public Works compound was struck by a vehicle that was backing up. The pedestrian was transported to the Branch Medical Clinic for treatment of injuries, and then released.

+++

At Nimitz Avenue and Halsey Road two subjects were reported to be throwing water balloons at pedestrians. The balloon-tossers were issued letters of trespass and were escorted off the Center by police.

+++

A driver who had already been issued a letter of trespass in the Randsburg Wash area was later stopped on the Randsburg Wash Road for a traffic violation and was found to be driving with a suspended license. The driver was cited for this also.



**PROPOSALS SOUGHT** — Employees of the Information Systems Group's Communication Development Branch load 98 requests for proposals on the new Center Telecommunications System. Loading a truck for the first trip to the post office were: from left, Jim Field, project manager; Lee King, quality assurance specialist; Chris Lucas, documentation specialist from Computer Sciences Corp.; and Tom Kramer, acquisition specialist. Missing from the photo was Pam Thompson of

**NWC's Supply Department.** These RFPs will lead to replacement of all NWC telephone systems with a new telecommunications system including low speed data transfer capability, according to John LaMarr, head of Code 14's Communications Systems Division. LaMarr said mailing the 98 RFPs was a major milestone in the long process. He estimated NWC is two years away from having the new telecommunications systems installed throughout the base. — Photo by Peggy Shoaf

**Cookoff . . .**

(Continued from Page 1)

and identify the ingredients responsible for the changes we are observing."

Full-scale testing, conducted by Jim Farmer (Code 3274) and Diede, seems to indicate that without confinement a rocket motor grain might be expected to respond to SCO with an acceptable burning reaction.

The IM community hopes the devastating effects of the slow cookoff response of ordnance will be lessened appreciably in the near future.

Some effort is underway also to estimate the probabilities of ordnance experiencing various types of heating and help quantify the importance of slow cookoff.

It is anticipated other IM threats will yield to solution as well. Exposure of ordnance to carrier deck fires (fast cookoff) is a problem Center technologists have been working on for years. Many improvements have already been introduced to the fleet and more are in the final stages of development and verification.

The search for answers to the riddles posed by the manifestation of weapon response to sympathetic detonation, bullet impact and fragment impact is also well underway.

The teamwork shown at NWC between weapon program offices and technologists should lead to affordable and timely improvements to Navy munitions for meeting IM requirements. This will provide inherently safer ordnance and a much more combat-survivable and hence combat-effective fleet.

**Vehicles increase**

Of paid registrations, 629,355 automobiles were added to California's vehicle registry in 1986. Truck and trailer registration increased by 186,336 and 40,369, respectively.

**Franco picked as Officer of Year**

After only two and a half years on the China Lake police force, Officer Charles Franco has been selected as China Lake Police Officer of the Year.

Officer Franco says that he was "astonished, pleased and baffled" to find that he had been chosen by a board consisting of Jim Brown, China Lake Chief of Police and two CLPD captains. All sergeants and other supervisors had the opportunity to submit nominations for the honor.

Being selected authorizes Officer Franco to wear a ribbon pin indicating that he was "Officer of the Year" for the remainder of his career as a China Lake police officer. His name will also be submitted to the Optimist Club's "Respect for Law Week" as one of the honorees for the four law enforcement agencies in the Indian Wells Valley.

His career in law enforcement began with being a police explorer scout while he was in high school in El Monte in the Los Angeles area. He then was a police reserve for 5 years with the Long Beach, Calif., police while he was working as a security guard and attending classes at Long Beach City College and East Los Angeles State College.

From there he and his wife, Lyn, moved to Ridgecrest, where he was on the Ridgecrest Police Department before becoming a China Lake police officer as well as being a member of the department's Emergency Response Unit.

"I really like this area," he says. "It's a great place for kids — we've got three love-

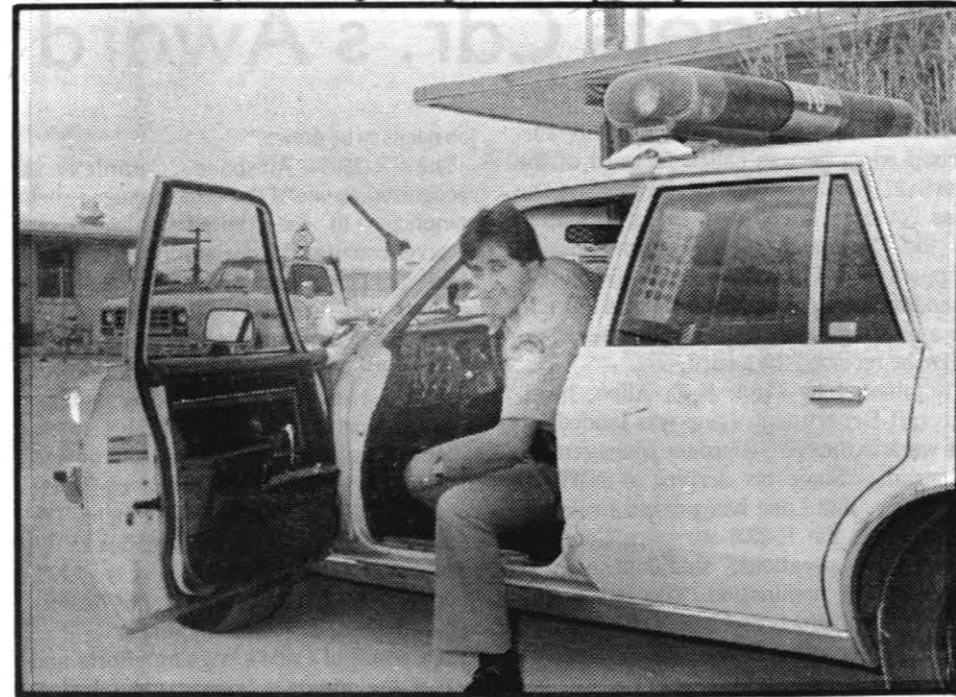
ly little girls (aged 3, 23 months and 7 months) — and it's sure nice to be living in an area where you don't have to chew the air before you can breathe it!"

He finds law enforcement at China Lake to be considerably less stressful than working in Long Beach, where police are much more apt to find themselves in a life-threatening situation.

Among the criteria for his selection was demonstrating a positive attitude toward the law enforcement profession, presenting a professional image, conducting thorough

investigations of crimes and possessing a genuine concern for the safety and well-being of the community served.

Also included in the criteria were volunteering for difficult or time-consuming tasks, providing a fair and impartial enforcement of laws, rules and regulations, accurately reporting finds, keeping abreast of new court decisions and policies and having a high level of knowledge of federal, state and local laws and inspiring others as an example of high standards.



**ON DUTY** — Officer Charles Franco is China Lake's Police Officer of the Year. Even though no member of his family ever served as a law enforcement officer, he says that's the only career he's wanted from early childhood on.

**Petty Officer Thime supervises critical tasks**

Nearly 11 years of active duty with the U.S. Navy give AD2 Peter Thime the background to be a true professional. Last month, Petty Officer Thime was recognized as one of a select group of professionals when he was selected as Sailor of the Quarter for the Naval Weapons Center.

Island in Washington.

The veteran sailor works with the power plants and related systems in the 18 A-6 Intruder, A-7E Corsair II and F/A-18 aircrafts assigned to the Naval Weapons

Center. He notes he had a desire to work on aircraft long before he joined the Navy.

Petty Officer Thime enjoys his work and is learning to enjoy being stationed in the desert after years of living in Washington's

much wetter climate. He notes, however, he wouldn't mind returning to NAS Whidby Island for his next tour of duty.

The desert, he has discovered, is a great place for his off-duty hobby, recreational motorcycle riding. He has also taken part in some of the low-level fun runs sponsored by local motorcycle organizations.

AD2 Thime and his wife, Shirley, live on-Center and are the parents of a son, Christopher, 17.

As NWC's Sailor of the Quarter for the first quarter of 1987, Petty Officer Thime will receive several honors include a plaque and a special liberty.



**Military News**



**TOP SAILOR** — Looking over a jet engine, AD2 Peter Thime performs the duties of a work station

supervisor that brought him NWC Sailor of the Quarter honors. — Photo by PHAN Bob Reynolds

**NRS push underway for 1987**

Monday marks the start of the month-long annual Navy Relief Society (NRS) fund drive aboard the Naval Weapons Center. All proceeds from this once-a-year event go to NRS which provides financial aid to Navy and Marine Corps personnel and their families. The funds can help get families through periods of temporary hardships.

Lt. Brian Lewis of Code 6113 is the 1987 Fund Drive chairman. The drive is conducted on a purely voluntary basis with the goal of giving each military member information on NRS and the services it provides to active duty personnel and their families.

To encourage contribution from sailors and Marines at China Lake, contributions may be made through an allotment of military pay. All assigned military personnel will be given the opportunity to make a voluntary contribution through an allotment or a one-time donation.

Key personnel from every Center department with military personnel assigned have been designated to get the word out.

Capt. Paul J. Valovich, NWC Chief Staff Officer, in announcing the drive said, "Let's all lend our support and make this a very successful Naval Relief Society Fund drive."

**'Hanoi Hilton' tickets sold**

Vietnam Veterans of America (VVA) Chapter 283 is selling tickets to see "Hanoi Hilton" at the Ridgecrest Cinema. The movie opens in Ridgecrest today. At the end of the at least two-week run of this film here, one lucky person who attended the movie during the Ridgecrest stay will receive four free passes to Disneyland.

All profits will go to support the Indian Wells Valley POW/MIA Memorial and the California Vietnam Memorial. Tickets are \$6 for adults and \$4.50 for children. Tickets are available at Arlene's Deli in Trona, Randsburg General Store, Entertainer I & II, Inyokern Market and Village Liquor.

**Need golfers in new league**

Military personnel (active duty or retired) and their dependents will be eligible for an Intramural Golf League if adequate interest is shown. Play in the league will be held Mondays after working hours on the NWC Golf Course.

**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)



**ANOTHER AWARD** — LN1 William Gordon, Sailor of the Year for the Naval Weapons Center, was formally presented with the award last week by Capt. K.E. Allen, Commanding Officer of Enlisted

Personnel, during a quarters ceremony. This was also an occasion for a uniform inspection with the switch to the summer white uniform for Navy personnel. — Photo by PHAN Bob Reynolds



**No. 64-178, Engineering Technician, DT-802-2/3, Code 6446** - This position is located in the Range Services Branch of the Electronic Warfare Threat Environment Simulation (EWTES) Division of the Aerosystems Department. The incumbent will be responsible to configuration manager in the area of preparation and processing to final authentication engineering documentation (principally drawings) that defines the configuration of systems for the EWTES Range. Work schedule is "first forty". **Job Relevant Criteria:** Thorough working knowledge of DOD-STD-100 and the documents referenced therein; skill in defining, organizing, managing preparation (by either government or contractor personnel), and processing through critical design reviews to final authentication, engineering documentation elements or complete packages for complex electronic warfare systems; ability to effectively

communicate orally and in writing; ability to deal with both government and contractor technical and management personnel at all levels. Promotion potential to DT-3.

**No. 64-179, Procurement Clerk/Assistant, GS-1106-5/6, Code 6446** - This position is located in the Range Services Branch of the Electronic Warfare Threat Environment Simulation (EWTES) Division of the Aerosystems Department. The incumbent will perform pre-procurement functions in support of all Code 644 purchase requests. This includes stub follow-up and interfacing with Code 08, Code 25, and contractor personnel. Work schedule is "first forty". **Job Relevant Criteria:** Knowledge of procurement procedures and regulations; ability to analyze data; ability to expedite delivery of urgently needed items. Promotion potential to GS-7.

**No. 64-175, Interdisciplinary (Electronics Engineer/Physicist/Computer Scientist), DP-855/1310/1550-1/2/3, Code 6442** - Serve as a team member within the Threat Section of the Radar Engineering Branch. Responsibilities will include providing software system engineering support to EWTES Threat Radar Systems as well as the design and implementation of radar updates and modifications. The incumbent may also serve as the interface between radar development organizations (contractors and/or other Center organizations) and EWTES to ensure system compatibility with Range instrumentation and data systems. Knowledge of digital signal processing, software and programming techniques is desirable. Incumbent should be familiar with hardware and real-time software techniques associated with radar signal processing. Skill in analysis, design, and application of software based systems is desirable. Incumbent must have ability to interface with Range, development, and contractor personnel. Ability to communicate via clear oral and written presentations and the ability to adapt to changing requirements is desirable. Send current SF-171 to Ralph Corbin, Code 6442, NWC ext. 3571.

### 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. 31-038, Interdisciplinary (General Engineer/Electronics Engineer/Computer Scientist/Physicist/Mathematician/Aerospace Engineer/Mechanical Engineer), DP-801/855/1550/1310/1520/861/830-2/3, (2 vacancies), Code 31904** - This position is located in the Foreign Military Sales Support Activity (FMSSA), Aircraft Weapons Integration Department. The FMSSA is responsible for the technical management of Weapon Systems Software Life-cycle support for Foreign Military Sales (FMS) F/A-18 Aircraft. The incumbent will be the project engineer for a comprehensive support program for an FMS customer. Incumbent will be responsible for the plans, schedules, and budgets and will task and coordinate efforts of various NAVWPNCEN branches, primarily in Code 31, in meeting program requirements defined by the NAVAIR sponsor. The incumbent will maintain a close liaison with technical and FMS management elements of OPNAV and NAVAIR and with the FMS customer. To apply for these positions, forward an up-to-date SF-171 to R. Fabiano, Code 31904, NWC ext. 5521.

cepts, analysis of expected target and clutter signals, development of signal processing algorithms, and design, construction, and test of breadboard hardware to verify fuze concept. Successful candidates must be comfortable with exploratory work, must interact well with a wide variety of engineers, and must communicate results via written reports and formal presentations. Abiding interest in optical systems and/or signal processing essential. Submit current SF-171 to Dave Burdick, Code 3311, NWC ext. 3092.

**No. 39-021, Interdisciplinary, Physicist/Electronics Engineer, DP-1310-855-3, Code 3926** - This position is located in the Inertial Development Branch, Weapons Development Division, Weapons Department. The Inertial Development Branch develops, tests and evaluates inertial sensors and inertial systems. It also functionally integrates inertial systems with navigation aids, such as the Global Positioning System. The incumbent will use the existing technology base to develop low-cost strapdown inertial measurement units for tactical missiles. Knowledge of inertial guidance fundamentals; knowledge of hardware and software fundamentals of tactical missile-borne computers; ability to organize and prioritize tasks; to effectively lead a technical team; to communicate effectively both orally and in writing. Submit SF-171 to John Freeman, Code 392, NWC ext. 2922.

**No. 31-040, Interdisciplinary (Electronics Engineer/Physicist), DP-855/1310-2/3, Code 3153** - This position is in the Infrared Systems Branch of the Targeting Division. The incumbent will concentrate on the development and improvement of multi-sensor tracker algorithms on the Fighter/Attack Avionics Target Demonstration Project. Experience using system engineering/analysis, software development, contract policies and procedures is desired. Send an up-to-date SF-171 to J. Kovar, Code 3153, NWC ext. 3651.

**No. 62-029, Electronics Engineer, DP-855-3, Code 6204, (2 vacancies)** - Incumbent will be a member of a team to conduct systems engineering for a major expansion of the Junction Range Radar Cross-Section Range. Incumbent will monitor contractor detail design and installation efforts for assigned portions of this overall effort, ensure that performance requirements are met, and be responsible for initial operations. Background in microwave/radar technology required. Experience in digital circuitry/computers and project management is desirable. Send current SF-171 to Hans Pieper, Code 6204, NWC ext. 6422.

### Secretarial opportunities

This column is used to announce secretary positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below. Applicants will be rated against four or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences. Unless otherwise indicated, applicants for Branch Secretary will be rated on elements 1/2/3/5/8; Division Secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office Secretary applicants will be rated on elements 1/2/3/4/5/8/9; and Department Secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

**No. 31-039, Secretary (Typing), GS-318-4/5, Code 3192** - Provides secretarial and administrative support to the A-6E Project Branch. Experience on PCs desirable, but will train. Promotion potential to GS-5, if filled at the GS-4 level.

**No. 31-041, Secretary (Typing), GS-318-4/5, Code 3158** - This position serves as secretary to the Head, Target Recognition Systems Branch. Promotion potential to the GS-5.

**No. 32-252, Secretary (Typing), GS-318-4/5, Code 3269** - Provides secretarial support to the Ordnance Evaluation Branch. Knowledge and working skill on Xerox 640 desirable. Promotion potential to GS-5.

**No. 35-011, Secretary (Typing), GS-318-5/6, Code 3501** - The incumbent will provide secretarial and administrative support to the associate department head and head of staff.

Knowledge of Xerox 860 and Xerox Star desirable.

**No. 36-039, Secretary (Typing), GS-318-4/5, Code 3622** - This position serves as secretary to the Head, Systems Electronics Branch. Knowledge of an IBM PC using Wordstar software is desirable, but not mandatory. Promotion potential GS-5. Status eligibles may apply.

**No. 64-177, Secretary (Typing), GS-318-4/5/6, Code 6404** - Provides secretarial and administrative support to the Simulator Development Program Office (Code 6404). Knowledge of Xerox Star is desirable. Work schedule is "first forty" (0630-1630). Promotion potential to GS-6, but not guaranteed.

**No. 14-009, Secretary (Typing), GS-318-4/5, Code 144D** - The incumbent provides secretarial support to the Computer Aided Engineering Program Office. Promotion potential to GS-5, but is not guaranteed.

### Recent arrivals and departures

Civil Service Arrivals		
Name	Code	Title
Hawes, Darcy M.	2512	Clerk-Typist
Thorpe, John J.	2673	Facility Mgt. Specialist
Boyle, Robert A.	3553	Electronics Technician
Newby, Richard M.	36214	Electronics Engineer
Martin, Darin N.	36263	Electronics Engineer
Fleener, Charles E.	36861	Electronics Engineer
Spindler, Russell P.	006	General Attorney
Yon, Margaret E.	0853	Payroll Clerk
Houston, Leon A.	243	Security Specialist
Schorr, Tamra M.	2513	Clerk-Typist
Boessow, Joanne J.	3115	Electronics Engineer
Hoagland, John G.	3145	Engineering Technician
Bays, Bobby W.	3352	Mechanical Engineer
Gibbens, Janet L.	36812	Engineering Technician
Beachboard, Joseph	61322	Sheetmetal Mech. (AIRC)
Moss, William W.	62141	Ordnance Equip. Mech. Helper
Departures		
McCoy, Bonnie J.	08611	Accounting Technician
Levin, Ross M.	1231	Operations Research Analyst
Schmidt, Joseph A.	3273	Aerospace Engineering Tech.
Carrasco, Catherine L.	35025	Clerk-Typist
Mockler, Theodore T.	0941	Mechanical Engineer
Hays, Irene	1212	Library Aid
Hagen, Harold E.	26416	Laborer
Dirienzo, Andrew L.	3158	Physicist
Brehmer, Edwin W. J.	3204	Mechanical Engineering Tech.
Gumz, Claud D.	3664	Logistics Mgt. Specialist
Non-appropriated Arrivals		
Name	Code	Title
Stevens, Alice	2227	Recreation Aid (Youth)
Ingram, Rory L.	2225	Usher
Cockrell, Philip R.	2213	ID Checker
Low, Kim M.	2227	Recreation Aid (Lifeguard)

### CSB looking for math instructor

Cal-State Bakersfield needs an instructor to teach MATH 477: PROBABILISTIC SYSTEMS IN ELECTRICAL ENGINEERING -- DESIGN AND ANALYSIS during the 1987-1988 academic year.

Minimum academic requirement is a master's degree, preferably in engineering. Anyone interested in teaching the course should forward a resume to Cecil Webb, Code 094. Questions should be referred to Webb, NWC ext. 2648.



This Question and Answer column will be published as needed to answer questions you may have about FERS. Questions should be submitted, in writing, to Code 091. I ENROLLED IN THE THRIFT SAVINGS PLAN (TSP), BUT DID NOT FILL OUT A DESIGNATION OF BENEFICIARY FORM. I WAS TOLD THAT I DID NOT NEED TO COMPLETE THE DESIGNATION OF BENEFICIARY FORM IF I WANTED THE FUNDS IN MY THRIFT ACCOUNT TO BE DISTRIBUTED IN ORDER OF PRECEDENCE UPON MY DEATH. WHAT IS THE ORDER OF PRECEDENCE FOR THE THRIFT SAVINGS PLAN?

- If there is no Designation of Beneficiary the order of precedence is:
1. Widow or widower.
  2. If no surviving spouse, to the child or children of the employee or member and descendants of deceased children by representation.
  3. If none of the above, to the parents of the employee or member or the survivor of them.
  4. If none of the above, to the duly appointed executor or administrator of the estate of the employee or member.
  5. If none of the above, to such other next of kin of the employee or member as is entitled under the laws of the domicile of the employee or member at the date of death of the employee or member.
- NOTE: For the purpose of the TSP, the term child includes a natural child, an adopted child, but does not include a stepchild.
- I AM A FERS EMPLOYEE. WHAT BENEFITS WILL MY CHILDREN GET IF I SHOULD DIE?

If an employee who has performed at least 18 months of creditable civilian service and who is in a position subject to the FERS dies, the unmarried dependent children will get a monthly annuity reduced by any Social Security children's benefits payable. The annuity would be \$2,844 per child (\$3,240 if orphaned) per year (this figure is for 1987). The maximum payable is the amount for three children. The annuities will be paid until the children marry, die, or reach age 18. An unmarried dependent child who is a full-time student will continue to get an annuity until June 30 of the school year in which they become 22. An unmarried dependent child who is incapable of self-support because of a disability which began before age 18 will continue to get an annuity until they marry, die or become capable of self-support.

### FERS/CSRS Retirement System Analysis Package available

The Training Center has the IBM-PC disc and Federal Retirement Benefit Analysis forms. With these items, you can input your personal employment data to do a side-by-side comparison of the FERS/CSRS systems to see which system best meets your needs. This package can be checked out by people interested in doing an individual comparison of the new civil service retirement system called FERS and the old civil service retirement system called CSRS (which all civil service employees hired prior to 1984 are currently under).

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

People interested in checking out this package should call the Learning Center, NWC ext. 2451, to reserve the package.

### Writing proficiency test slated for CSUN in May

The English Writing Proficiency Test will be given on May 27 at 8 a.m. Cal-State Northridge students should take the exam as soon as application for admission has been approved. This test must be passed before the student is granted unconditional status as a master's candidate.

Graduate students must attain unconditional status before earning more than 12 units of academic work acceptable toward the master's degree. The exam fee is \$12. Checks must be made payable to California State University Northridge (CSUN). Contact Cyndi Jones, NWC ext. 2648, to arrange to take the exam.

### Anyone interested?

Cerro Coso Community College is considering offering a 1-unit Conversational Spanish course in the fall. Anyone interested in taking such a course, please call Judy Auger, 375-9674, or Steve Lee, 375-2994.



### Error was made . . .

With regard to the announcement that Cal-State Northridge is looking for instructors, an error was made.

Instead of ME590A: ADVANCED TOPICS IN FLUID DYNAMICS -- INVISCID FLOW, the course entitled ME590B: ADVANCED TOPICS IN FLUID DYNAMICS -- VISCOUS FLOW should have been indicated. Questions should be referred to Cecil Webb, NWC ext. 2648.

### Some NAF activity to be credited for CSRS benefits

If you were an employee of a Non-Appropriated Fund (NAF) activity during the period of time between June 18, 1952 and January 1, 1966, you may be entitled to receive credit for this time in computing your service for retirement under the Civil Service Retirement System (CSRS).

The Office of Personnel Management has informed activities that Public Law 99-638 provides civil service retirement credit for certain categories of NAF employment. Employment as a NAF employee is creditable under the new law if it involved conducting arts and crafts, drama, music, library, service clubs, youth activities, sports or recreation programs and it was performed during the period of time mentioned above. The law applies only to personnel who were employed in a position subject to the CSRS on November 9, 1986.

If you were an employee of a NAF activity during the period mentioned above, you should contact your Personnel Management Advisor for assistance in verifying and crediting your employment so that it may be credited to your retirement time.



June 2 - 5