

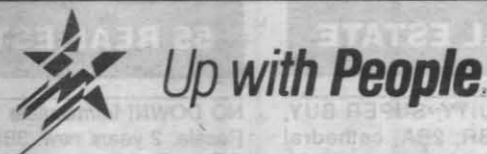
**A Message from SECDEF . . .**

I am pleased to welcome all who have joined to celebrate the very special contributions of Black Americans to our Nation's defense. The theme of this year's Black History Month celebration is "The Father of Black History, Carter G. Woodson: A Living Legacy."

Throughout 1990 and in the years to come, we must strive to educate the young as well as their seniors, by relating the true experiences of those Black men and women who have given and are still giving of themselves to help guarantee our continued American independence and the sustenance of freedom.

Black Americans in the Department of Defense continue to lead by example, sustaining by effort and performance the freedom and security of this Nation.

From Dick Cheney, Secretary of Defense



Representing 23 countries, cast from *Up With People* will show residents from the Indian Wells Valley their national songs, dances and dress on Monday, Feb. 19, at Joshua Hall, starting at 7:30 p.m.

According to the advance publicity team, consisting of Pete Taylor, Christy Overbeck and Monica Eyer, *Up With People*, a unique international organization which for 25 years has provided young men and women year-long opportunities for cross-cultural education, diverse community service, on-stage musical performance experience and extensive world travel, tries to bridge the gap between different races, culture and creeds.

Each year, 650 young people (around 18 to 26 years of age) make up five international casts and spend eleven months entertaining audiences worldwide and involving themselves in community service wherever they go.

This year's cast has natives of West and East Germany, New Zealand, Japan, Canada, Europe, and 28 different states of the United States.

Tickets for the performance may be purchased in advance from *The Daily Independent*, the Warehouse and the Music Man. If bought in advance, tickets are \$1 cheaper than the regular admission price of \$8 per adult and \$7 per student or senior citizen.

**IWVCA presents a portrait of Hemingway**

For the fourth offering this season, the Indian Wells Valley Concert Association will present Ed Metzger as, "Hemingway: On The Edge," on Monday, Feb. 12, at 7:30 p.m. at the Naval Weapons Center Theatre.

The association presented Metzger in 1981 as "Albert Einstein: The Practical Bohemian."

Single-event tickets can be purchased in advance at The Music Man, the Maturango Museum, The Art Buffet and Richer's Digital Audio for \$7 (\$5 for persons over 65, under 21 and full-time enlisted military personnel). Some seating may also be available at the Theatre Box Office after 4:45 p.m. on the evening of the performance. Season ticket holders who do not plan to attend are encouraged to release their seats for resale by calling 375-5600.



	Max	Min	Gusts
Thurs.	53	22	-- knots
Fri.	59	34	-- knots
Sat.	60	23	-- knots
Sun.	48	37	-- knots
Mon.	62	33	-- knots
Tues.	62	27	-- knots
Wed.	58	42	-- knots

**Scholarship announced**

Initiated by the Desert Community Orchestra Association to encourage the love of music in young students, the Peter Pinto Memorial scholarship acknowledges outstanding musical ability and shows appreciation for musical contribution to the community.

Applications, available from *The Music Man*, Richer's Digital Audio or Burroughs High School must be submitted on or before Feb. 24. Call Joe at 375-8791.

**MWR schedules February fun at the Seafarer Club**

**Valentine Dance Party**

Don't forget your sweetheart on Valentine's Day. Take that special someone to the Seafarer Club's Valentine's Party on Feb. 14. Dance to the sounds of Music Machine and tantalize your taste buds with a Steamboat Buffet.

Cost is \$6.95 for tickets bought in advance and \$8.95 at the door.

For those who only want to go

to the dance, cost is \$3 per person or \$5 per couple. Active duty military members can join in the fun for only \$2 per person.

For more information, call 446-6929.

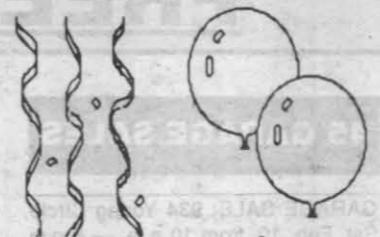
**Country Swing & Grub**

February 23 is Country Night at the Seafarer Club. From 5:30 to 8:30 p.m. come chow down on a Western Buffet. From 9 p.m. to 1 a.m., enjoy the performance of

Connie Roener, the first lady of country swing.

Cost is \$8.95 for tickets purchased in advance and \$10.95 at the door. For those who don't want to take advantage of a finger-lickin' good meal, cost is \$3 per person or \$5 per couple. Active duty military personnel get in for \$2 each.

For more information, call 446-6929.



**Officers' Club gets ready for Mardi Gras**

While the Naval Weapons Center is definitely not New Orleans, that doesn't mean NWC employees should miss out on Mardi Gras. Eligible members are invited to join the fun at the Officers' Club on Friday, Feb. 23.

The excitement begins at 6 p.m. with a cocktail hour, followed by a scrumptious dinner at 7. At 8 p.m. the floor will be filled as couples get up to dance to the music of the Big Band Express.

Cost is \$8.95 for tickets purchased in advance or \$10.95 for tickets bought at the door.

For more information, call 446-6929.

**Mobile blood bank visits area Tuesday**

Tuesday, February 13 is the next opportunity for valley residents to donate blood through the Houchin Blood Bank. The bank's mobile unit will be at the Ridgecrest Elk's Lodge, 201 E. Church St., from 1 to 6 p.m.



Tomorrow, Feb. 10, Betty Miller, the Naval Weapons Center's Wellness Program manager, will take part in a Maturango Museum Saturday Adventure on wellness. This is a perfect opportunity for those families who want to learn about getting in shape and staying healthy. This promises to be a helpful program, as well as a fun experience for families. Come out to the museum dressed in comfortable clothes at 3 p.m. dressed to participate in some exercises.

As they hop, skip and stumble from storybook page to Burroughs Lecture Center stage, the flamboyant characters of *The Bungling Balletinas* are coming to theatrical life. This humorous tale of behind-the-scenes bamboozlement at the Ballet features three egomaniacal dancers competing for top billing in the Fiesta Ballet Company of New York. This multi-talented cast will don their tutus and tights for the premiere of *Balletinas* on Mar. 9. Additional performances are scheduled for Mar. 10, 16 and 17.

Works of the faculty members from Cerro Coso Community College's Art Department will be featured in an exhibit at the college's Art Gallery. This exhibition will be open to the public from Feb. 12-28. A reception and discussion with the artists will be held on Friday, Feb. 23, from 7 to 9 p.m. in the gallery foyer.

Included in this exhibit will be sculptures by Paul Myers and Fred Vonderkuhlen, photographs by John Dunker, stained glass by Harold Williams, pottery by Diane Kodas and paintings by Patricia Kulas and Santiago Vaca.

Tryouts for *Mr. Roberts*, China Lake Players' first show of the 1990 season will be held Feb. 20-22 at the old County Building on Ridgecrest Blvd. Auditions will be from 7 to 10 p.m. on Feb. 20 and 21 and from 8:15 to 11 p.m. on the 22nd. Performance dates for this show are Apr. 20, 21, 27 and 28.

*Mr. Roberts*, has a predominantly male cast. Director Sarah Hetrick will be looking to fill the 20+ roles of the sailors onboard the AK-601. There is one cameo part for a female, a young nurse that visits the crew of the AK-601. Copies of the script should be available for reviewing at the Kern County and China Lake libraries beginning Wednesday, Feb. 14. For more information, call 375-6740.

Members of the Society for Creative Anachronism (SCA) will hold a fighter practice at Kern Desert Regional Park on Sunday, Feb. 11. Shinai practice starts at noon and heavy weapons at 1 p.m. In addition, the February council meeting of the Shire of Naevehjem will be held at the home of Seneschal on Sunday at 4 p.m. Call 375-6046 or 375-8189 for directions. SCA is open to anyone interested in the re-creation of medieval culture.

**Local flyfishers meet for presentation on stream enhancement**

Aguabonita Flyfishers' Club is pleased to announce that its speaker for the February meeting will be Brian Botham of Trout Unlimited.

Trout Unlimited is an organization which exists to promote better trout fishing through education, conservation, and stream and habitat improvement.

Note that the club meeting will be on a different date than normal: Thursday, February 15, at 7:30 p.m.

The meeting location will be the usual location, the meeting room of the Kern County Library building in Ridgecrest.

**NWC Rocketeer**

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLV, No. 6 February 9, 1990

**Shuttle returns experiment for China Lake**

Code 3818 physicist designed project for LDEF satellite as part of joint NASA, DoD flight

Dr. Terry Donovan, a Naval Weapons Center physicist, waited with more than a casual interest for the space shuttle Columbia to retrieve the Long Duration Exposure Facility (LDEF) satellite and bring it back to Earth last month. He was responsible for one of the experiments onboard the LDEF, a satellite that was eight weeks away from burning up in the Earth's atmosphere as it fell out of orbit.

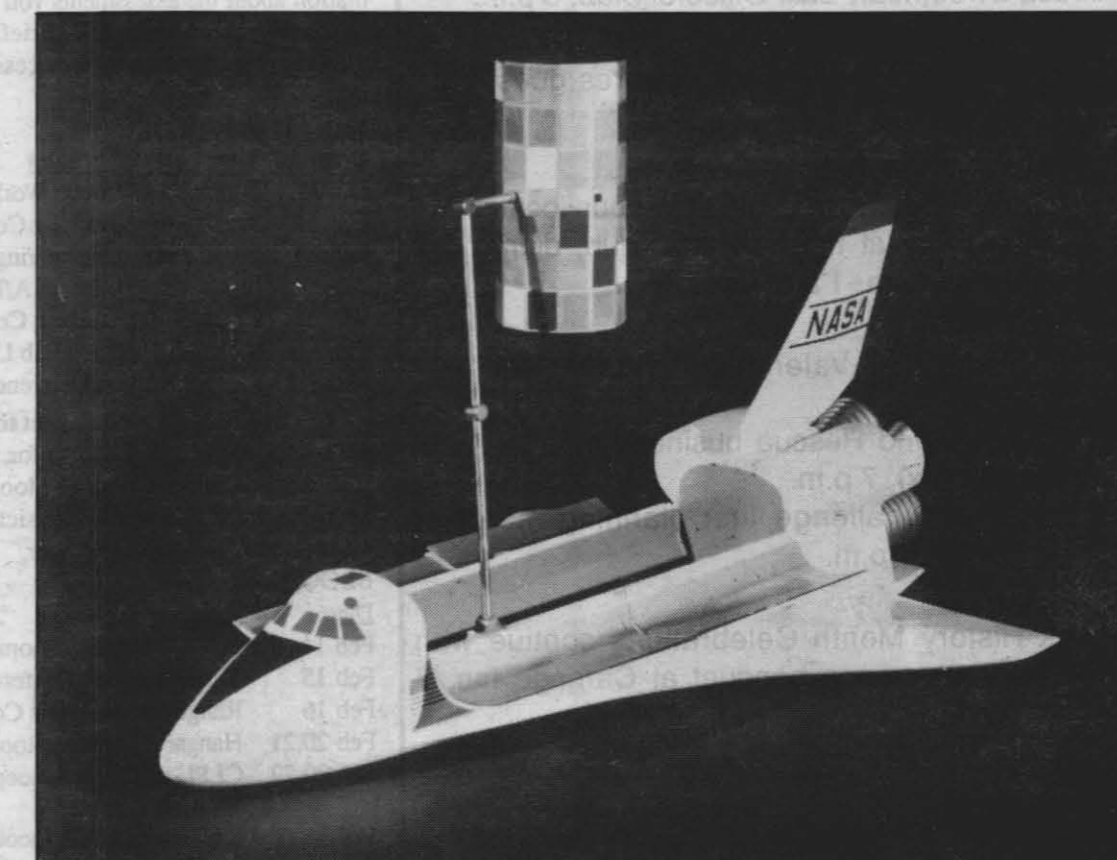
Donovan works in the Physical Optics and Thin Films Branch of the Research Department's Physics Division. His project was one of many material-testing experiments taken into space by the LDEF more than five years ago.

"This joint National Aeronautics Space Administration (NASA)/Department of Defense (DoD) flight test represented the culmination of a coating development program sponsored by the Defense Advanced Projects Agency (DARPA)," said Donovan. "In addition to the work done at NWC, the project involved contracted efforts at the Boeing Radiation Effect's Laboratory, Northrop Research Center and the Optical Coating Laboratory, Inc. (OCLI)."

Donovan's experiment was designed to evaluate the effects of space environment on coated optics. "The Navy used this project to test coated optics designed for space-based laser applications," noted Donovan. "If DoD puts a high energy laser in space, it will need to know the mirrors will operate without degradation by the space environment." Donovan noted concepts developed in this program are already finding application in the Strategic Defense Initiative's space-based laser and surveillance optics programs.

According to the NWC physicist, samples were examined prior to launch in a simulated space environment to determine effects of charged particles (electrons and protons) and solar UV radiation. "The actual space exposure will allow evaluation of effects more difficult to simulate in the laboratory, including the chemical effects of energetic atomic or singlet oxygen, spacecraft contamination and micrometeorites on coating durability and performance," Donovan said.

(Continued on Page 6)



**CLOSE CALL--When Columbia retrieved the Long Duration Exposure Facility (LDEF) recently, it retrieved more than just a satellite in danger of burning up as it reentered the atmosphere. One of the experiments was designed by Dr. Terry Donovan, a NWC physicist in the Physical Optics and Thin Films Branch of the Research Department's Physics Division.**

**Victor accorded top Center honor for lengthy career**

In recognition of his contributions during 33 years of Federal service and his capabilities and accomplishments in propulsion technology and insensitive munitions, Andrew C. Victor was awarded the Navy Meritorious Civilian Service Award during this week's Commander's Meeting.

Matt Anderson, Ordnance Systems Department head, nominated Victor for this award, which is the highest honor

Capt. Douglas W. Cook, NWC Commander, can bestow. In his nominating letter, Anderson recapped Victor's career at NWC, which ended after 27 years of service to the Naval Weapons Center when Victor retired last December.

Upon arriving at NWC, Victor was assigned as the head of the Standards and Calibration Laboratory Branch in the Engineering Department. During this time, he was instrumental in promoting a Center-

wide calibration program.

In 1964, he transferred to the Propulsion Department (which later became the Ordnance Systems Department) and began work in systems and operations analysis. He also began studies of missile exhaust plume technology, which became, Anderson said, "an area in which he (Victor) has since become an internationally recognized expert."

In 1968 Victor took over as the head of

the Analysis Branch. During this time, he also served on the Center's Automated Data Processing (ADP) Panel. Following a department reorganization in 1973, Victor became head of the Propulsion Analysis Branch.

From 1976 to 1981, Victor was on the staff of the Advanced Technology Division. He soon became project manager for NWC's portion of Safety and Performance (Continued on Page 5)

**MS2 Rowcliffe: NWC's Sailor of the Quarter leads by example**

Most new sailors would like to see the friendly face of a knowledgeable individual when he or she checks into enlisted quarters at a new duty station.

At the Naval Weapons Center that face belongs to MS2 Jonathan Rowcliffe who was recently selected by his superiors as NWC Sailor of the Quarter for the final quarter of 1989.

Petty officer Rowcliffe is responsible for the operation of Bachelor Enlisted Quarters during his watch. Additionally the mess specialist serves as the Divisional Career Counselor for the Food Services Division (Code 214), and for the Chaplain's personnel. Many of his off-duty hours are volunteered to the NWC Auxiliary Security Force.

Ensign B. J. Abel, NWC Food Service and Billing Officer, reflected on Rowcliffe's leadership, adaptability, professionalism and dedication in his letter of nomination. "MS2 Rowcliffe employs positive leadership skills and possesses the potential for unlimited growth...He readily assumes any task and competently substitutes for other personnel,

reacting promptly and correctly to all situations with superior confidence and knowledge." Abel continued, "His professional, friendly and courteous demeanor significantly contribute to the outstanding customer service reputation of this division, setting the example for his peers and subordinates. His appearance is immaculate and exemplary at all

times." As a career counseling assistant, Rowcliffe assists his peers with career decisions regarding re-enlistment, extension, advancement, changing rate, schools, and prospective duty stations. "Command Career Counselor ABCS Edward Briggs and his (Continued on Page 3)

## China Lake Calendar

**Sat., Feb. 10**  
 ...Black History Month observance by local groups in Petroglyph Room, Kerr-McGee Center starting at 2 p.m.  
 ...Matinee--*The Great Mouse Detective*, NWC Theatre, 2 p.m.  
 ...Chief Petty Officers Ball, Seafarer's Club, 6:30 p.m.  
 ...Altrusa Sweetheart Ball, Officers' Club, 8 p.m.

**Tues., Feb. 13**  
 ...WACOM Valentine luncheon features guest baritone, Officers' Club, 11 a.m.

**Wed., Feb. 14**  
 ...Wellness blood draws begin at various locations  
 ...Valentine Party at the Seafarer Club, dinner 5-9 p.m., dancing 9 p.m.-1 a.m.

**Thurs., Feb. 15**  
 ...Father/Daughter Valentine's Dinner, Seafarer Club, 5:30 p.m.  
 ...IWW Search and Rescue business meeting, 807 Entwistle (duplex), 7 p.m.  
 ...China Lake Challenge first planning meeting, Training Center, 1 p.m.

**Sat., Feb. 17**  
 ...Black History Month Celebrations continue with scholarship assistance banquet at Carriage Inn, 7 p.m.  
 ...Matinee--*The Fox and the Hound*, NWC Theatre, 2 p.m.

**Mon. Feb. 19**  
 ...Up With People, Joshua Hall, 7:30 p.m.

**Thurs. Feb. 22**  
 ...Society of Technical Communicators (STC) meets at 4:45 p.m. for a tour of the new *Daily Independent* facility.

**Fri. Feb. 23**  
 ...Mardi Gras cocktails, dinner and dancing at the Officers' Club, 6 p.m., for members and guests only  
 ...Country Night at the Seafarer Club, Western Buffet--5:30-8:30 p.m., dancing 9 p.m.-1 a.m.

**Wed., Feb. 28**  
 ...Deadline for NWC Fellow nominations

**Coming Events...**  
 ...*Spring Cleaning at 'The Lake'*--March 31  
 Items of interest to the China Lake population may be placed in the CHINA LAKE CALENDAR by calling the NWC Rocketeer at NWC ext. 3354 before 11:30 a.m. on Tuesday before Friday's publication.

## Wellness Corner



Last week you read about Third Annual Wellness Program Assessments. Because of the Center's continuing commitment to its employees', wellness assessments are again offered to all currently employed NWC employees, as well as active duty military and attached activities personnel. There is no charge for this service. If you need more information about the assessments you may come to one of the briefings listed below. Briefings last about 30 minutes. No appointment is necessary for the briefings.

### BRIEFING SCHEDULE

Date	Time	Location
Feb 13	10 a.m.	Public Works Conf. Rm.
Feb 14	12:30 p.m.	Training Center
Feb 20	10:30 a.m.	Engineering Lab Conference Room A/B
Feb 20	1 p.m.	Training Center
Feb 27	1 p.m.	Mich Lab Little "D" Conference Room
Mar 1,7		Conference Room

You will need an appointment to have your blood drawn and a later appointment for your physical fitness assessment. Individual blood drawing takes approximately 5 minutes. Physical fitness assessments take approximately 1 hour.

### BLOOD DRAW SCHEDULE

Date	Location
Feb 14	IOB Conference Room
Feb 15	Thompson Lab Conference Room 2
Feb 16	Range Headquarters Conference Room
Feb 20,21	Hangar 3 Training Room-Top Deck
Feb 20,22	CLPL-call Judy Schoepflin for appt., ext. 7271/7322
Feb 22	EWTES-call Bret Jacobson for appt., ext. 3571, x315
Feb 23,26	PW Bldg. 981 Conference Room
Feb 27	Branch Medical Clinic
Feb 27	CLPL-call Judy Schoepflin for appt., ext. 7271/7322

Mar 2,5-7 Branch Medical Clinic  
 Mar 7 CLPL-call Judy Schoepflin for appt., ext. 7271/7322  
 Mar 8,9,12 Engineering Lab Conference Room B  
 Mar 13-16, Mich Lab Little "D" Conference Room & 19

### PHYSICAL FITNESS ASSESSMENT SCHEDULE

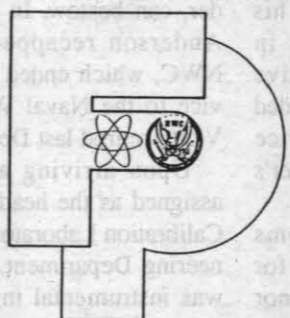
Date	Location
Mar 6	Thompson Lab Data Reduction Facility
Mar 7	IOB Conference Room
Mar 8,9	Hangar 3 Training Room-Top Deck
Mar 12	PW Aerobic Dance Room
Mar 13	CLPL Bldg. 115-call Judy Schoepflin for appt., ext. 7271/7322
Mar 14	EWTES Fire Station-call Bret Jacobson for appt., ext. 3571, x315
Mar 15,16	Seafarer's Club
Mar 26-30	Mich Lab B/C Conference Room & Apr 2,3

You may make your own appointment and choose your preferred date and time by going to any computer or terminal that will connect you to the SCF VAX (SCFC). You do not need an account number. If you have access to another VAX on the network, log on and type set host scf. When "user name" appears on the screen, type in Wellness. Options will appear for scheduling, deleting, or looking up appointments for the blood draw and physical fitness assessments. If you have no means of accessing the SCF VAX, call X2468 and leave your name, code, extension, and preferred date and time for blood draw and physical fitness assessment. Employees at EWTES should call Bret Jacobson (3571 x315) to schedule their appointments. Employees east of the CLPL gate should call Judy Schoepflin (x7271, 7322) to schedule their appointments.

## Peers recognized by Fellow Program

Nominations to the Naval Weapons Center Fellow Program are being sought by the Fellow Selection Committee. All technical NWC employees are eligible for 'Fellow' designation whether engineer, scientist, mathematician, or other technologist engaged in research, development, test and evaluation; production process development; quality control; or other technically sophisticated activities.

A major factor in the success of NWC is the innovative



talent of its technical people. The Fellow Program, now in its second year, provides formal peer recognition for those individuals who make continued and outstanding contributions to the technical success of NWC.

Anyone may nominate a candidate for the Fellow Program by submitting the necessary documentation including nominee's name, educational background, (Continued on Page 8)

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### 45 GARAGE SALES

GARAGE SALE: 934 Young Circle. Sat. Feb. 10, from 10 a.m. - 6 p.m. Drop-ins after 6 p.m., Mon. Feb. 12 thru Wed. Feb. 14. Call 446-3315.

### 55 REAL ESTATE

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**Valentines Dance - Saturday, Feb. 10th**  
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**Navy and Marine Corps items featured . . .**  
**Skipper praises new uniform shop**

CWO3 Terry F. Nale, officer in charge, Navy Resale Detachment; along with Capt. Douglas W. Cook, Naval Weapons Center Commander; and Lt. Col. Richard Barr, executive officer, Marine Aviation Detachment, officially opened NWC's new Navy/Marine Uniform Shop on Monday.

"This is a type of service that is long overdue for our sailors and Marines," said Capt. Cook. "They need to express their thanks to CWO3 Nale and Capt. Hoyt (Commanding officer, Navy Resale & Services Support Office, Field Support Office) from San Diego for their support in establishing this facility and obtaining the necessary deviations in allowing us to issue Marine Corps items."

The new shop offers sailors' working, as well as dress, uniforms; khaki requirements for both male and female; as well as basic, day-to-day items needed by the Marines. "This is the first Navy Exchange in the San Diego region to carry Marine Corps items," he said. "Ordering requirements are a little bit different, thus causing a delay."

In addition to stocking items a sailor/Marine needs to be dressed properly, tailoring services will also be available to handle alter-



**PERSONALIZED SERVICE--**While tailor Cathy Kline checks out the measurements of the first customer of the NWC Navy/Marine Uniform Shop, Gretchen Hubbard aids him in looking for the Navy shirt that will best fit him. The new shop, which opened Monday, offers a variety of uniform needs for Navy and Marine personnel. In addition, the shop offers the services of a tailor/seamstress for military or civilian clothing.

ations, hems, officer striping, enlisted rating badges, and medal mounting.

The new tailor, Cathy Kline, has six years of military tailoring experience and 20 years of sewing experience. She will also be available for altering personnel's civilian attire for eligible

Navy Exchange customers. Kline also designs custom-made patterns.

The new shop's hours are 11 a.m. to 5:30 p.m. Tuesday through Friday and from 9 a.m. to 3 p.m. on Saturday. The shop will be closed Sundays and Mondays.



**The Skipper Sez...**

**QUESTION**

Civilian travelers are being put in the unpleasant position of receiving calls for payment by Diners Club for accounts that are overdue. If an individual is a frequent traveler, he can easily accrue a significant outstanding bill in a very short time.

The agreement we were made party to when the credit card situation was forced upon us was that we would be reimbursed by the Navy within one month (maximum) of the time we submitted our travel vouchers. It is presently taking anywhere from one to two months, sometimes more, to receive our payments from disbursing.

Most personnel who are frequent travelers cannot and should not have to pay the Government's obligation out of their savings accounts.

**ANSWER**

Department of the Navy standard travel advance policy was changed by the Secretary of the Navy in November 1988 such that all fleet and shore activities were to establish an account with Citicorp Diners Club and offer the charge card to their frequent (twice yearly) travelers, encouraging them to participate in the program. Beginning Dec. 31, 1988, only limited travel advances were available for frequent travelers, whether or not they chose to get a travel charge card.

There was no agreement made whereby NAVWPNCEN would "reimburse travelers within one month (maximum) from the time vouchers were submitted." However, the NAVWPNCEN Travel Branch has been doing everything possible to process vouchers and reimburse travelers as quickly as possible. They have worked a considerable amount of overtime, hired additional staff and contractors, and implemented an automated claims processing system in order to expedite travel reimbursements. At one point, they were backlogged as much as six to eight weeks during September, but are now paying most claims within two weeks. Cases of individual financial hardship can be expedited. It is in the best interest of travelers to file their claims as soon as they return from travel.

It is Diners Club policy for their representatives to call card holders whose accounts are more than 60 days past due. They will also call the Travel Branch to verify if they have unprocessed claims for card holders with past due accounts. Diners Club representatives have been understanding and helpful to card holders who are awaiting government reimbursement.

**Navy man finds job adventurous**

(Continued from Page 1)

assistant, RMI Ruth Bowsly can't meet face to face with each enlistee for every question, so I act as an interface, solving problems on my own, or going to the Senior Chief or Bowsly for advice," stated Rowcliffe. He often suggests to personnel who are uncertain of a career choice to put in time on HARP duty, as assistant to their hometown recruiter. In this capacity, a young enlisted person can influence the future of other youth in their hometown.

When asked if he volunteered as counselor, Rowcliffe replied, "Actually, I was appointed to the duty, but I find that it's broadening my knowledge in ways that will be valuable to my future."

And while he's assisting others in this way, he's also performing his main duty as a card clerk at the BEQ, checking personnel and transients in and out of quarters, assisting in room inspections, escorting service contractors and providing the office muster.

In addition to his other duties, Rowcliffe serves as a squad leader for NWC's Auxiliary Security Force. This group of volunteers meets four hours each week for training and drilling, in preparation for threat conditions on-Center, i.e. terrorist attack, bomb threat or natural disasters. If this condition should occur, his squad of 14 volunteers would help "tighten up" security on the Center by manning

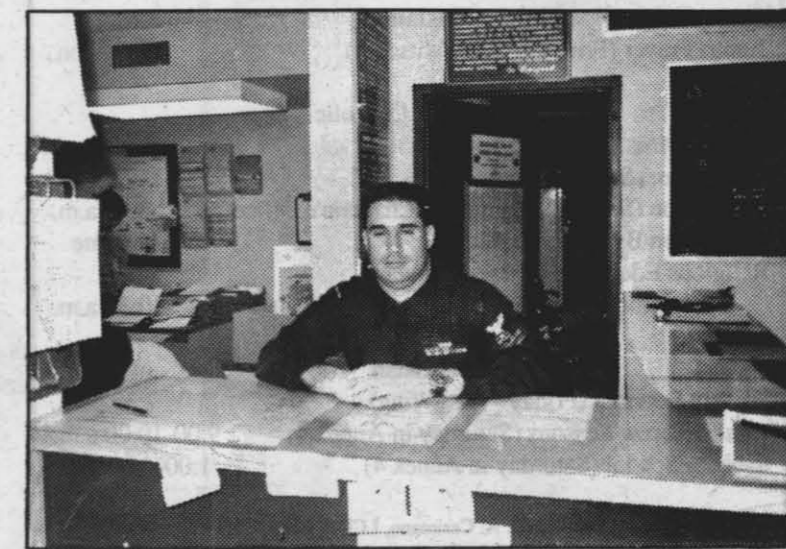
strategic gates and positions in high security areas. Squads alternate 24-hour on-call duty one week each month. Additionally volunteers assist China Lake Police Department officers and the Master-at-Arms in routine duty. He stressed the need to ensure this volunteer duty "doesn't interfere with regular duty or watches."

Born and raised in Batavia, New York, Rowcliffe joined the Navy five years ago "for the adventure". With a degree in food service he had worked two years in country clubs and restaurants (he still enjoys cooking when he can find the time). Navy life seemed ideal for a single man with no major responsibilities who wanted to see the world.

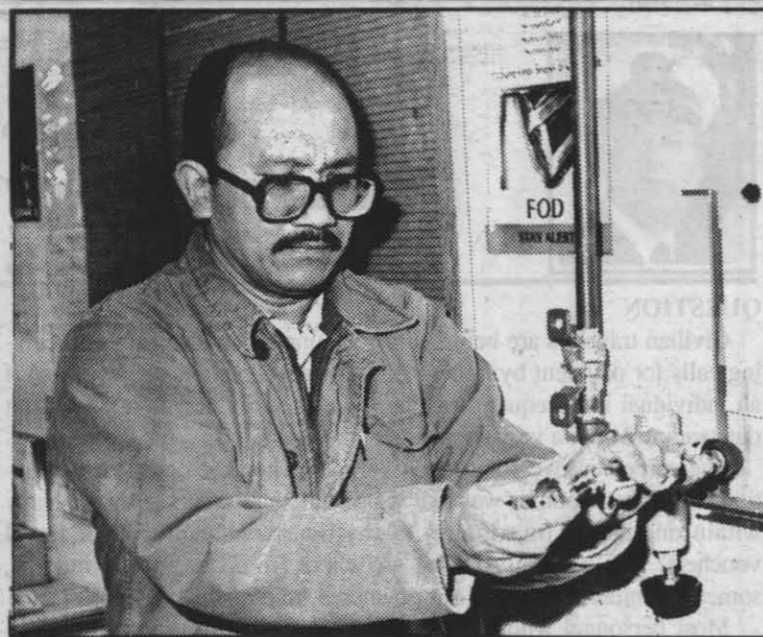
After "A" school he was homeported at Alameda Naval Air Station. In 16 months at sea he traveled around the world and visited eleven countries. From there he went to Coronado to participate in SEAL training in Basic Underwater Demolition. His current goal is to complete "BUDS" training and hopefully be assigned to a SEAL team.

Rowcliffe enjoys the diversity of work he's encountered in the Navy, from serving in the mess storeroom on a carrier with 5,000 people, to working as the ship's firefighter. It's turned out to be the adventure he anticipated, but then Rowcliffe has a talent for making work fun. "I haven't been bored yet," he said wholeheartedly.

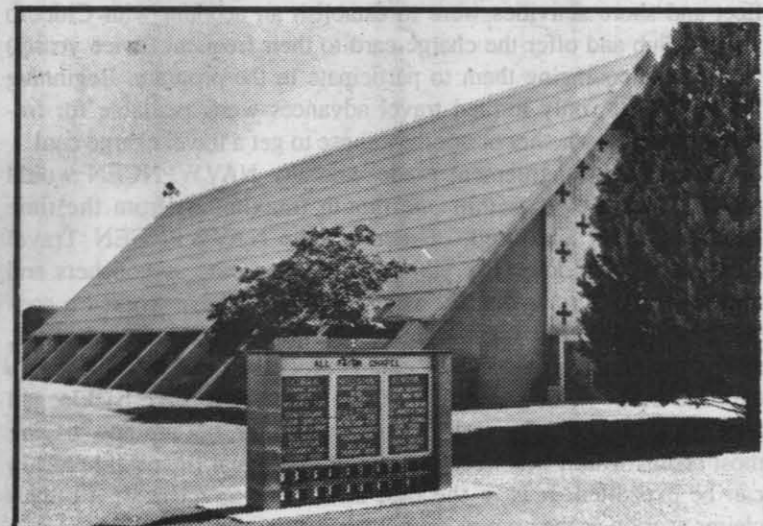
All China Lakers, including military personnel, civilian employees and their dependents, are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. Douglas Cook. 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 two or three questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave their name and phone number for a direct contact, but otherwise, this is not required.



**SAILOR OF THE QUARTER--**MS2 John Rowcliffe checks in newcomers to the NWC bachelor enlisted quarters. The mess specialist devotes his spare time to volunteerism and counseling.



**BLUEJACKET CANDIDATE--AMS1 Alfredo Baysa** cleans a tool following an anti-corrosion treatment to a VX-5 aircraft. Photo by PHAN Cary Brady



### Divine Services

<b>Protestant</b>	
Sunday Worship Service, East Wing	8:00 a.m.
Sunday Worship Service, Main Chapel	10:30 a.m.
Sunday School, Annexes 1, 2 & 4	9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June)	11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday	6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday	7:00 p.m.
<b>Islamic</b>	
Jumaa Prayer (Friday at 1905 Mitscher)	12:00 noon
<b>Roman Catholic</b>	
Sunday Mass, Main Chapel	9:00 a.m.
Daily Mass, Small Chapel	11:35 a.m.
Confession (Sunday), Command Chaplain's Office	8:15-8:45 a.m.
Confession By Appointment	Anytime
Religious Education Classes (Sunday) (September thru May), Annexes 1, 2 & 4	10:30 a.m.
<b>Jewish</b>	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday in Annex 4)	9:00-10:00 a.m.
Sabbath School (Saturday in Annex 4)	1:00-4:00 p.m.

Chaplain S. A. Casimano, LCDR, CHC, USN  
 Chaplain G. L. Goodman, LT, CHC, USNR  
 Chaplain G. E. Williams, LT, CHC, USNR  
 Brian H. Zimmerman, Student Rabbi  
 Hearing Impaired Equipment, Nursery Available  
 Phone NWC ext. 3506, 2773, 2873

## Award:

Five seek honor as Bluejacket of the Year

Five China Lake military members will compete for the prestigious Navy League Bluejacket of the Year Award again this year. Competitors are the sailors of the quarter for the Naval Weapons Center during 1989 and the Air Test and Evaluation Squadron Five (VX-5) supervisors of the quarter. Because of reassignments, only five of the eight quarterly winners from last year remain at China Lake to compete for the honor.

The Indian Wells Valley Council of the Navy League will announce the winning military member at the annual Bluejacket of the year on Saturday, March 10, in the Seafarer Club.

This is the first in a series of articles about the nominees for this annual honor.

**AMS1 Alfredo P. Baysa** Security, training and travel attracted Petty Officer Baysa to a Navy career. He has been in the Navy since July 1977 and a member of VX-5 since August of 1986. In June he and his family will bid farewell to China Lake and head for a still undetermined new assignment.

At VX-5, he is the supervisor for the squadron's corrosion control program. This task includes inspection, prevention and treatment of the squadron's aircraft and all the documentation to accompany this work.

Petty Officer Baysa says his biggest on-the-job challenge has been bringing the program up to date and keeping it that way. He noted he enjoys preparing for inspections because he knows the people assigned to the program are professionals and the work is getting done.

Looking back at his initial enlistment, Baysa notes he wanted a job with good job security and he's never regretted the decision to "Go Navy." "The duty has been interesting and the travel has been fun," he added. Previous assignments have included Hawaii, the *USS Midway* and Japan.

Talking about his nearly three years at China Lake, AMS1 Baysa says the location makes it really nice. "You're in the middle of just about everything".

Baysa and his wife, Violeta, are the parents of two children, Goldie, 10 and Jonathan, eight.



### "Commitment"

A pig and a chicken were walking past a church one Sunday morning. Said the chicken to the pig, "You know, over the years those people in there have been pretty nice to us. I think we ought to do something nice for them." "Good idea," said the pig. "What do you have in mind?" "I think we ought to have a big banquet," said the chicken. "I'm all for that," said the pig, "but what shall we serve them to eat?" "Bacon and eggs," said the chicken. "Not on your life!" said the pig. "For you that's just a contribution. For me, it's a total commitment."

Only in losing ourselves do we find ourselves. Only in surrendering our lives do we discover life. The banquet of life to which Jesus invites us is not a "pot luck" dinner to which each invited guest makes a contribution. This banquet is no Pollyanish evasion of reality. It is no simple matter of "consciousness raising," or "turning on." It is no "trip" of mindless ecstasy. Many people today are looking for a less demanding and less complex banquet, and whether that means a "Jesus trip" or a "Zen Buddhist" trip seems to make little difference.

The banquet that Wisdom prepares encompasses the whole of life with all its contradictions, with all its tears and laughter, with all its light and darkness. Only God's Wisdom can unravel the full mystery of life!

The table of the Lord is set. The food is prepared and ready. What Jesus requires of us is that total commitment to face life as it is, and thus to hasten it on its way to what it might be--to what, by the Grace of God, it will be. In calling us to total commitment, Jesus has long since totally committed Himself to us.

by Lt. G. L. Goodman  
 CHC, USNR

## NEX:

Month of sales looms at Exchange

Don't miss the super February Sale at the Navy Exchange! From Feb. 10-19, save extra dollars on TVs, Camcorders, VCRs, home office suppliers and much, much more.

Valentine's Day is just around the corner. Surprise that special someone with a gift from the local Navy Exchange. Assorted watches, rings, pendants and earrings are now on sale. Don't forget the NEX also has a wide range of clothing items available which is sure to please most everybody. Telefloral Bouquets are also available.

A special one-day sale is being planned on Washington's Birthday, Feb. 19. Spectacular savings will be available throughout the store! Don't miss out! Come in today and check out all the great buys!

## Tips on top dental health

Parents can help their children feel good about going to the dentist by scheduling their child's first visit at an early age, between six and twelve months of age. Parents should talk about the visit in a positive, matter of fact way, as with any important new experience. We want to teach children that the dentist and dental staff are helps. People who can help them to have a healthy smile for their whole life.

Submitted by the Branch  
 Medical Clinic honoring National Children's Dental Health Month.

## CLPD maintains radar traffic enforcement

Motorists on board the Naval Weapons Center (NWC) are reminded that China Lake Police Division (CLPD) officers enforce state and NWC traffic regulations. According to Kerry B. Swiggum, traffic manager, CLPD Operations Branch, areas of concentration for radar traffic enforcement for next week are listed below.

- Monday -- Sandquist Road.
- Tuesday -- Blandy Avenue.
- Wednesday -- Inyokern Road.
- Thursday -- CLPL Road.
- Friday -- Sandquist Road.



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**Valentine's Dinner 6-8 p.m.  
 Dance to Stillwater 8 p.m.  
 February 16, 1989**

**February Menu**

- 2/1 Mexican Plate
- 2/2 Fish & Chips & Chowder
- 2/5 Meatloaf
- Monday Nite Bingo 7-11 p.m.
- All profits go to charities
- 2/6 Steak Sandwich
- 2/7 Lasagna
- 2/8 Pot Roast
- 2/9 Shrimp Basket - Chowder
- 2/12 Beef Tips & Noodles
- 2/13 Steak Sandwich
- 2/14 BBQ Ribs & Beans
- 2/15 Chicken Fried Steak
- 2/16 Fish & Chips - Chowder
- 2/19 President's Day  
 Closed for holiday

\*\*\*\*\* Entertainment \*\*\*\*\*  
 2/11 Tuesday Valentine's Dinner 6-8 p.m.  
 Valentine's Dance 8 p.m.  
 Monday Nite Bingo 7-11 p.m.  
**Stillwater Band Every Friday 8 p.m.**  
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• Halibut Nantua  
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# Victor earns Navy honor

(Continued from Page 1)  
Evaluation of Explosives Advanced Development (EAD) Program. During 1979-1980, he had collateral duties as the NWC Independent Exploratory Development coordinator. In this position, he directed the selection and administration of over 50 projects encompassing the full spectrum of NWC technical activity.

From 1984 to his retirement, Victor's primary responsibility was as the program manager for the propulsion portion of the Insensitive Munitions Advanced Development (IMAD) Program. "In this role he established and managed the Navy laboratory plan for the development of advanced technologies in propellants and motor design which would allow Navy weapons to meet insensitive munition safety requirements without sacrificing mission performance capabilities," Anderson noted.

"Even though the IMAD propulsion effort was more than a full-time assignment," Anderson added, "Victor was able to provide invaluable assis-

tance and consultation to expanding Center efforts in exhaust plume technology."

Anderson concluded the nominated letter by stating, "Throughout his career, Victor has made significant contributions to the mission of NWC and the needs of the Navy.... Victor's enthusiasm, dedication and commitment to his job have been a model for younger scientists and engineers at the Center...."

Capt. Cook, who presented the award to Victor, said, "Your capabilities and accomplishments in propulsion technology and insensitive munitions have brought national and international recognition to yourself and the Naval Weapons Center.... Your knowledge and capabilities have been a major contributor to the Center's role as the Navy's lead laboratory for missile propulsion. I congratulate you on a job well done."

Since his retirement from the Naval Weapons Center, Victor has gone to work for a private contractor.



**YEARS OF SERVICE REWARDED**—Upon presenting the Navy Meritorious Civilian Service Award to Andrew C. Victor, Capt. Douglas W. Cook, NWC Commander, thanks him for contributions he has made to the Center during his 27 years tenure. Victor retired in December after 33 years of Federal service. TID Photo

# Saint-Amand brings weather modification topic to lecture

Dr. Pierre Saint-Amand will talk about "Weather Modification and Geophysical Warfare" at the next Technical History Lecture Series, which is slated for 10 a.m. on Thursday, Feb. 15, in Room 1000D of Michelson Laboratory.

One of the world's acknowledged experts in weather modification, Dr. Saint-Amand will discuss the history of weather-modification R&D in the U.S., the unparalleled accomplishments of NOTS/NWC in this area, and the applications of Navy-developed weather modification technology that continue to be pursued -- as well as those that have been banned, touching on the events that caused the termination of

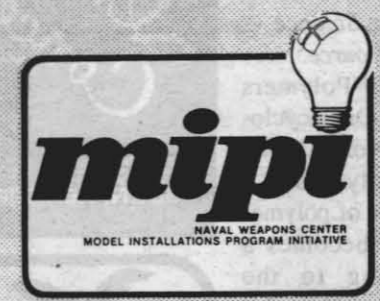
U.S. military efforts in this area. He will also address the historical and theoretical military applications of this technology.

Dr. Saint-Amand headed the Center's highly successful weather-modification R7D program as the head of the Earth and Planetary Sciences Division of the Research Department. He directed successful efforts sponsored by a variety of agencies to apply China Lake weather-modification technology and expertise to hurricane abatement, airport fog clearing, drought relief and troop interdiction in combat in Southeast Asia.

This presentation will be UNCLASSIFIED and will last approximately one hour. All

interested NWC personnel are encouraged to attend.

The Technical History Lecture Series was initiated by the Technical Director to highlight some of the major accomplishments of the Center and some of the important aspects of the "corporate culture" of China Lake. It is important for all of the members of the NWC team to have an understanding of China Lake's unique heritage; the Technical History Lecture Series is intended to foster that understanding by examining some of our RDT&E programs, focusing on our military-civilian team, our unique way of doing business, and our tradition of direct and effective support of the Fleet.



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Why: To benefit the Indian Wells Valley Red Cross

Price: \*Donation \$10 per person

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Semi-Formal Dress  
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Count Basie • Glenn Miller • Duke Ellington  
• Tommy Dorsey

\*Tickets available at: Corney's Shoe Store, Country Junction, Dodie's, Lindsey's Furniture Store and SASS or from any Altrusan.  
\*Tickets provide chances on one of many door prizes donated by local merchants

Waltz - Polka - Fox-Trot - Latin Swing

## LDEF included NWC package

(Continued from Page 1)

The 10.5-ton satellite was originally launched in 1984 for a one-year mission. Donovan noted; however, due to a series of mishaps, one of which was the Challenger disaster, the satellite was left in space. "I didn't think we would get it back," said Donovan. "A lot of work went into this experiment and I am just happy we will be able to finish our studies."

Next week, the Center physicist will travel to the Kennedy Space Center where he will examine the satellite and participate in a LDEF materials data analysis workshop.

Later in the month, the sample trays will be transferred to the Aerospace Corporation in Los Angeles, where the trays will be unloaded in a cleanroom, photographed and then given to individual experimenters for more detailed analysis.

"We will be able to learn in detail how these

samples responded -- if the properties have degraded as a result of exposure to the space environment," added Donovan.

One of the recovery facets which intrigued Donovan was the fact Columbia, on this longest shuttle mission yet, was commanded and piloted by Navy personnel, Capt. Daniel C. Brandenstein and Lt. James D. Wetherbee. The LDEF was recovered from orbit over a 7 1/2 hour period with a robotic arm, operated by NASA mission specialist Bonnie Dunbar. The recovery was photographed by NASA mission specialists Marcia Ivins and David Low. Before completing the LDEF recovery operation, the mission specialists deployed a Navy communication satellite.

"This was definitely a Navy mission," said Donovan. "While most shuttle flights are Air Force related, this one was for the DoD with a Navy slant."

## Rhein has one chapter in book

Dr. Robert Rhein, a research chemist in the Naval Weapons Center's Ordnance Systems Department (Code 3211), presented a paper to the American Chemical Society which they incorporated into their book, *Silicon-Based Polymer Science -- A Comprehensive Resource*.

Rhein's chapter, "Polymers and Copolymers of Disilacyclohexadiene -- A Non-Alkali-Metal Route to Polysilanes," deals with a new type of polymer that when heated, becomes a ceramic. According to the research chemist, this polymer is cheaper to manufacture than similar products.

With a Ph.D. from the University of Washington in Seattle, Rhein has had many papers published in journals and magazines, but notes this is the first publication that is available to the public at large.

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## Black History month celebrations by Indian Wells Valley groups continue throughout February

Feb. 10 -- Local organizations are hosting a program in the Petroglyph Room of the Kerr-McGee Center starting at 2 p.m. There will be key note speakers from the county, musical selections and a soul food supper. Cost is \$3.75. For more information, call Norman Alexander at NWC ext. 2318 or Catherine Rogers at NWC ext. 2348.

Feb. 17 -- The Union Baptist congregation is hosting a scholarship assistance banquet at the Carriage Inn starting at 7 p.m. Cost for this formal event is \$40. For more information, call Joyce Sherman at NWC ext. 1799 or 4605.

Feb. 24 -- New Beginnings is sponsoring a Prayer Breakfast at Gentry's from 8 to 10 a.m. Rev. A. Cleveland will be guest speaker.

Feb. 25 -- Concluding the observances will be a program hosted by the Union Baptist congregation. The event will be held at 312 Mono Street, Ridgecrest, starting at 4:30 p.m. For more information, call Joyce Sherman at NWC ext. 1799 or 4605.

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## Give a helping hand

# Annual leave hours required by co-workers

Employees indicated below have been approved to become leave recipients under the Leave Transfer Program. These employees have exhausted annual and/or sick leave because of personal emergencies and will be in a non-pay status for at least ten days. Employees who wish to donate annual leave to the employee should fill out the form at the end of this column, clip it out and send it to Code 221. For more information about this program, call NWC ext. 2018.

Polly Bainbridge, Secretary, Code 3922 -- is currently undergoing medical treatment and is indebted for leave. Her doctor estimates that she will not be able to return to work until April.

Lou Giegerich, Mathematician, Code 3511 -- is currently undergoing chemotherapy and radiation treatment for cancer.

Barbara Tungett, Clerk Typist, Code 2412 -- fractured her hip and will not be able to return to work until late March.

Leta Darcey, Management Assistant, Code 36402 -- is indebted for leave due to complications associated with childbirth.

Carolyn King, Engineering Data Management Specialist, Code 36541 -- is taking care of her husband who is extremely ill; she is indebted for leave.

Dawn McCants, Secretary, Code 3571 -- has developed complications in the final month of her pregnancy and must stay in bed for the duration. She will be unable to return to work until early March.

Mary Schmierer, Computer Specialist, Code 35633 -- is indebted for leave due to multiple medical problems.

George Petty, Physicist, Code 3924 -- was admitted to the Duke University Hospital on an emergency basis with the diagnosis of acute myelogenous leukemia.

William Eastman, Clerk Typist, Code 2851 -- has undergone back surgery to remove disk material from his spine.

Mike Mason, Mechanical Engineering Technician, Code 3526 -- is continuing to receive chemotherapy treatments at UCLA for his long-term illness. He is able to work intermittently between treatments.

Betty Cirotski, Procurement

Assistant, Code 31B1 -- will be undergoing surgery for a total hip replacement.

Satik Martinsen, Management Assistant, Code 36402 -- is diagnosed as having nodular sclerosing Hodgkin's Disease and is currently undergoing treatment.

Nancy Muro, Engineer Technician, Code 3033 -- has multiple fractures, dislocations and major tissue damage to her left foot.

Mary Elaine Hooper, Secretary, Code 3201 -- underwent surgery and is indebted for leave.

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# Cal-State Bakersfield reveals class schedule

The following classes are being offered this Spring for the California State University, Bakersfield (CSUB), Bachelor's Degree in Business Administration and the Master's Degree in Administration programs. To enroll in these classes, submit a NAVWPNCEN 12410/73, Request for On-Center Training, via department channels to Code 224. Registration will be held at the first class meeting. **Deadline for enrolling is 10 calendar days before the starting date of the class.** Enrollments in courses will be on a "first come, first served" basis, unless otherwise stated.

**English 577: Technical and Report Writing (5 quarter units)**

**Apr. 11-Jun. 13; Wednesdays, 1610-2110; Training Center. By Professor Solomon Issyere, CSUB.**

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

Note: This is a core course for the Master's Degree Program in Administration through CSUB. The course is designed for graduate students.

**PPA 573: Emergency Management (5 quarter units)**

**Apr. 10-Jun. 12; Tuesdays, 1610-2110; Training Center. By Professor Brady, CSUB.**

Scope: This elective seminar surveys public and private sector responses to emergencies, disasters and crises. Private and volunteer agencies and federal, state and local government roles are discussed. Emphasis is on public

policy development and inter-agency/inter-governmental relations. Discussion of emergency management phases: mitigation, preparedness, response and recovery. Consideration of technological and man-made hazards and natural disasters including floods, earthquakes, civil disorder and terrorism.

**BA 371: Legal Environment of Business (5 quarter units)**

**Apr. 10-Jun. 12; Tuesdays, 1610-2110; Burroughs High School, Room N51. By Professor Graves, CSUB.**

Scope: Introduction to the legal process, recognizing law as an instrument of social and political control in society. Topics include legal philosophy, judicial and administrative processes, constitutional protection for individuals and government regulation of business.

Note: This is a core course for the Bachelor's Degree Program in Business Administration through CSUB.

**Sociology 333: Mexican-Americans In Contemporary Society (5 quarter units)**

**Apr. 12-Jun. 14; Thursdays, 1610-2110; Training Center. By Professor Cazares, CSUB.**

Scope: An analysis of the political, social and cultural development of the Mexican-American. Emphasis is on modern social problems and sociological factors, with evaluation of various causes and solutions of problems. Discussions and selected investigations.

Note: This course satisfies the Women or American Ethnic/Racial Minorities course requirement for the Bachelor's Degree through CSUB.

**MATH 477: Probability for Engineers (5 quarter**

**units)**  
**Apr. 9-Jun. 15; Monday through Friday, 1130-1230; Training Center. By Dr. Wade Swinford, NWC ext. 2878.**

Prerequisite: EE 350N: Linear Systems I or equivalent or consent of instructor.

Scope: Develops and demonstrates techniques and models useful for solving a wide range of problems associated with the design and analysis of various probabilistic systems in electrical engineering application. These include radar, communication systems, sonar, control systems, information theory, computer systems, circuit design, measurement theory, vulnerability analysis and propagation.

Text: *Probability, Random Variables and Random Signal Principles*. Peebles. McGraw-Hill, latest edition.

Note: This course is a prerequisite to EE 550N: Random Processes, which is taught in the CSUN Master's Degree Program in Electrical Engineering.

### General Comments

1. Textbooks are available at bookstores locally.
2. Job-related courses other than those listed above or those offered under contract with Cal-State, Chico; Cal-State, Bakersfield; or Cal-State, Northridge must be approved on a DD 1556 (Off-Center Training Request) before registration if NWC is expected to pay for the training.

For more information about any of these programs or classes, call Cecil Webb at NWC ext. 2648.

## College plans drawing

Get ready to go to San Diego! The Cerro Coso Community College Alumni Association is holding a benefit drawing on Wednesday, Mar. 7. The winner will receive lodging accommodations for two days and two nights for two people at the Hanalei Hotel in San Diego and Sunday Brunch for two at the hotel's Island Restaurant.

S5 and are available from any Alumni Association board of director, at the college, from the Ridgecrest Chamber of Commerce, The Music Man and the Country Junction.

Proceeds raised will be used to support the association's activities, including their scholarship fund.

For more information on the "Weekend Getaway Drawing," call the college at 375-5001.



## Speakers sought to explain careers during Vocational Education Week

Vocational Education Week (Feb. 11-17) will kick off Careers '90. This project involves having a guest speaker on the high school campus each week during spring semester in various appropriate classrooms. All interested students will be invited to hear visiting guest speakers talk about their careers, schooling and experiences. People interested in being a guest speaker should contact Jo Burdick at 375-4476, ext. 23.

The vocational education program in this district is very strong, with 12 classes offered through the Regional Occupation Program. Classes are free of

charge and any one in the community 16 years of age or older may enroll.

Classes offered are Auto Mechanics, Business Education Co-op, Business Graphics, Computerized Accounting, Construction Technology, Distributive Education Co-op, Food Service, Health Careers, Photographic Laboratory, Pre-School Teacher's Aide, Retail Merchandising and Word Processing.

Please contact the ROP office at Burroughs High School, 375-4476, ext. 23, for additional information concerning the ROP classes.

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Is pleased to announce that *Studio Eight* has been selected to be an authorized dealer for Greenwich Workshop. Greenwich Workshop is a nationally known publisher for limited edition lithographs. They publish such artists as Bev Doolittle, Rod Frederick, Stephen Lyman, David Shepherd, Simon Combes, Frank McCarthy, Tom Lovell, James Bama, Howard Terping, James Christensen and Charles Wysocki.

*Studio Eight* has ordered the lithographs by several of these artists. These lithographs will arrive shortly, but until they arrive come into *Studio Eight* and examine the brochures and literature available by these well known artists.

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# Area celebrates engineers

*Special week brings recognition and annual dinner*

To honor area engineers, the High Desert Engineering Association (HIDEA) and the Retired Officers' Association (ROA) are sponsoring a National Engineers' Week dinner on Wednesday, Feb. 21 at the Naval Weapons Center Officers' Club. Cocktail hour begins at 6 p.m. with dinner at 7 and program at 8. Sterling Haaland, NWC laboratory director will be master of ceremonies.

Guest speaker for the evening is Albert F. Myers, vice president of Test Operations at Northrop Corporation's B-2 Division in Pico Rivera, Calif. Prior to joining Northrop, Myers, who has a M.S. degree in mechanical engineering, was lead engineer in the Simulation Branch at NASA's Dryden Research Center. His slide and video presentation will focus on the B-2's capabilities, and review current flight test validation.

A three meat buffet will be served for \$15 if purchased on or before Feb. 14, or \$20 after Feb. 14. For tickets contact Clark Hay, NWC ext. 1852; Ken Atwood, ext. 2971; Jim Serpanos, ext. 2721; Dave Kowlsch, ext. 1974; or Ramesh Ajmera, ext. 3151.

*Engineers: Turning Ideas Into Reality*, is the theme of National Engineers' Week, Febru-

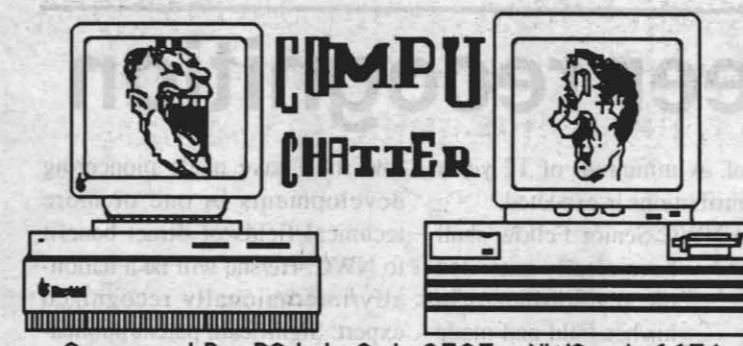
ary 18-26. The event is held the week of George Washington's birthday to commemorate his achievements as a surveyor and as a civil and military engineer. Ultimately, National Engineers' Week recognizes the role played by all members of the engineering profession in the develop-

ment of today's society.

HIDEA, comprised of local engineering organizations, stresses the benefits of the profession for their role in bettering society by the application of the engineering sciences to the problems of mankind.



**IT'S OFFICIAL--**With the signing of the proclamation by Capt. Douglas W. Cook, NWC Commander and Mike Mower, Ridgecrest Mayor, National Engineers' Week is set for February 18-26. Valerie Rogers, of HIDEA represents local engineering association and joined the Mayor and NWC Commander as they inked the proclamation for this special week of the year.



Sponsored By: PC Lab, Code 2703 NWC ext. 6631

There's a new piece of Macintosh software available in the PC Lab for all you math wizards. Theorist is a new WYSIWYG symbolic algebra and graphing program that enables you to create, solve and manipulate mathematical equations without lifting your pencil. One marketing pitch states, "You can begin solving your equations right away, even without reading the manual," and I tend to agree. Using the manual as a reference tool, I was able to solve some complex algebra equations and graph the relationships in less than an hour. Not bad, considering I'm not a mathematician.

Theorist uses Fortran-like mathematical structures to form and manipulate equations. Being an interactive program, you can easily investigate different mathematical relationships without learning a programming language. There is even a pointing hand cursor that lets you easily rearrange expressions "by hand." Your equations may be simplified and expanded algebraically and/or calculated numerically. After completing your work, you may want to take advantage of Theorist's compatibility with Expressionist to export equations to your word processing documents as typeset quality equations.

Theorist's graphing function allows you to create color, gray scale, or black and white 3-D graphs and 2-D plots. The graphs may be rotated at any angle or redrawn instantly by modifying the equation. The sampling density may also be varied; a lower density will reduce the graphing time and a higher density will result in higher accuracy. This way, you can create and manipulate rough graphs quickly with a low number of data points and then redraw the graph with a high number of points for greater accuracy in a final product.

For anyone who frequently uses symbolic or vector calculus or algebra, Theorist is well worth checking out.

By Bob Beane

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# Fellow Program provides peer recognition

(Continued from Page 2) accomplishments, patents, publications and technical input (NWC/National/International). Nominations should be submitted to the nominee's Department Technical Staff Selection Committee, to the Fellow Selection Committee via the nominee's department head, or to the Employee Management Relations Division, Code 221, and they will be forwarded to the appropriate committee. Nominations may be submitted anonymously, but it would be helpful to the committees if the person making the nomination would provide his/her name and phone extension in case further information about the nominee is required.

The following people are chairpersons of their Department

Technical Staff Selection Committees and members of the Fellow Selection Committee. As such they may receive nominations and are available to answer questions about the Fellow Program.

Lee Lucas, Code 31C, NWC ext. 5219

Jim Bruant, Code 32101, NWC ext. 7206

Bruce Heydlauff, Code 3521, NWC ext. 3614

George Banura, Code 36203, NWC ext. 1987

John Pearson, Code 38906, NWC ext. 3143

Carl Hall, Code 3922, NWC ext. 1209

Larry Harlan, Code 6424, NWC ext. 6017

In order to complete the selection process in a timely manner,

all nominations must be submitted no later than Feb. 28.

The Fellow Program provides for three steps of recognition, in ascending order, NWC Fellow, NWC Senior Fellow, and NWC Distinguished Fellow.

An NWC Fellow shall be recognized as a leading NWC expert in his/her field and shall have made identifiable technical contributions critical to NWC programs. Patent and/or publication activity and recognition of capability by the technical community outside of NWC will be

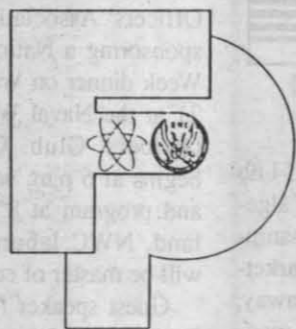
typical. A minimum of 12 years of contributions is expected.

An NWC Senior Fellow shall have clearly extended the state-of-the-art in his/her field and made sustained, wide ranging and crucial contributions to NWC programs. Patent and/or publication activity, recognition by the technical community outside of NWC, and a minimum of 17 years of contributions is expected.

An NWC Distinguished Fel-

low shall have made pioneering developments in one or more technical fields of direct benefit to NWC. He/she will be a nationally/internationally recognized expert. Significant patent/publication activity and a minimum of 20 years of contributions is expected.

The Fellow Selection Committee encourages participation in the Fellow Program from any NWC employee. Questions regarding the program should be addressed to Bruce Heydlauff, Fellow Program spokesperson, at NWC ext. 3614.



## SOLE luncheon features talk on software tools

Gerry Perlmutter, Logistic Engineering Associates, will be the guest speaker at the Society of Logistics Engineers (SOLE) luncheon meeting scheduled for 11:30 a.m. on Wednesday, Feb. 21, at the Hideaway.

Perlmutter will take about "Tools For Design," a collection of software tools that integrate into the logistics workstation. Attendees are advised to allow two hours for this event.

The public is invited to attend. Cost of \$6.75 includes prime rib sandwich, club sandwich or chef salad; beverage; tax; and tip.

Reservations are required. Call Bill/Jerry at NWC ext. 3441.

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# Personnel News & Notes

## NWC employee chosen as Cerro Coso's 'Student of the Semester' for fall classes

After five years of perseverance, Randy Mather not only achieved his goal of receiving an associate degree at Cerro Coso Community College, he also became the "Student of the Semester" for the fall 1989 term. A CAD/CAM operator in the Naval Weapons Center's Weapons Control Branch, Intercept Weapons Department, Mather was recognized as an outstanding student by the Cerro Coso Community College Alumni Association.

June Wasserman, director of counseling, nominated Mather for this honor and described him as being "an excellent role model for all students." "I was really surprised when they notified me I was nominated for the Student of the Semester," said Mather. "I was only attending one class at the time. But I was told they wanted to honor my determination and success in getting a degree."

A paraplegic, Mather has had some difficulty in getting to classes. "One of my classes was scheduled to be held on the second floor of the NWC Training Center," he said, "I had to call the teacher and explain the problem. He was able to get the class moved to the ground floor." He has also had problems at the college. "If the elevator is broken and the class is anywhere but the first floor, I have

to miss class," Mather stated.

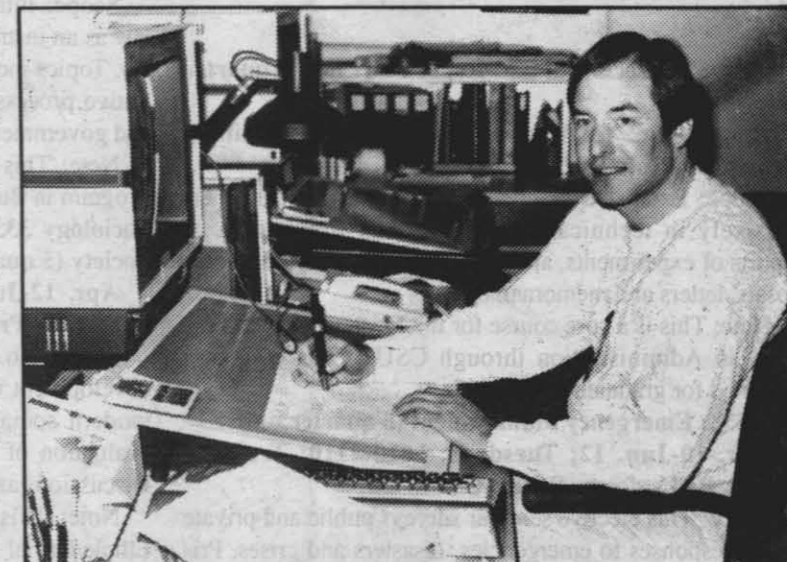
Medical reasons forced Mather to drop out of school halfway through one semester. "All I could do was hope they offered those classes again the following semester," he said.

"I couldn't have reached my goal without the help of Rosie Holthrop, my school counselor," he said. "She was always there for me."

Mather was also nominated and elected to serve as an active member of the NWC/Cerro Coso Community College Advisory Committee. "We discussed problems students might have to face and ways of solving those problems," Mather noted. "Serving on this committee has been an interesting experience and I've enjoyed it very much."

In addition to the honor of being selected "Student of the Semester," the association awarded Mather with a certificate of appreciation, an alumni pin, a gift certificate to the college bookstore and an honorary membership in the association.

According to a school official, overall grade point average, class participation, extracurricular activities and community involvement are considered in choosing the Student of the Semester.



**PERSEVERANCE PAYS OFF--Randy Mather, Weapons Control Branch, Intercept Weapons Department, takes time out from working as a CAD/CAM operator. He was recently chosen by the Cerro Coso Community College Alumni Association as the college's Student of the Semester.**

## Apply now for long-term, off-Center training

*Eligible NWC employees are urged to take advantage of this educational opportunity*

Applications for long-term graduate and undergraduate level training (training off Center for a period of more than 120 consecutive working days) beginning in fall of 1990 are invited from NWC employees. To be eligible for long-term training, interested individuals should be employed at NWC for at least three years at the time studies begin.

Long-term training may be considered to meet any of the following objectives:

1. To update employees' knowledge where several years have passed since they have completed or left academic or in-service training.
2. To give technical employees management skills when job responsibilities have, or will become, managerial.
3. To update employees' knowledge and background in their job specialty.
4. To teach employees aspects of another occupation that relates to their present occupation where responsibilities are interdisciplinary or multidisciplinary.
5. To provide educational opportunities stressing motivation and human relations.

Both graduate and undergraduate programs are supported by NWC.

Long-Term Training Committee (LTTTC) will consider applications in any area of study that relates directly to NWC program requirements. The primary criteria the LTTTC follows in determining when long-term training is used instead of after-hours, part-time or short-term programs are as follows:

1. The new knowledge and skills required of the employee, either in present or planned career assignments,

necessitate a comprehensive, concentrated program of study.

2. The time span for acquisition of new skills and knowledge is such that an accelerated study program of long-term full-time duration is required.

3. It is determined that the academic superiority of the institution selected is such that it is clearly in the best interest of the government that the employee attend the selected educational institution.

4. There is no educational institution or academic program in the local or community area for part-time or after-hours training.

Long-Term Training funds are available to cover the trainee's travel allowances to and from the school (one round trip), tuition and fees required for enrollment. Payment of a per diem to cover the cost of rent and utilities or moving the employees immediate family and household goods to school and return to the Center will be provided. Code 2241 will be responsible for payment of the trainee's salary including MTP funding.

The following areas of critical need have been established by Center management:

At the graduate level: systems engineering; microwave/RF circuits, subsystems and missile guidance, antennas, and radar engineering; microwave antennas; digital and analog signal processing; missile test equipment; target signatures--modeling and reduction; radar, laser, EO-IR targeting sensors; weapons/avionics integration; tactical embedded software; facility simulation software; air combat susceptibility/vulnerability; EW systems; propulsion; operational research/analysis; statistics; advanced structural engineering (aerodynamics - CFD,

aerospace - thermal, structures); financial/business systems analysis; physics (electro magnetism); electrical engineering - high voltage, short - rise time power; physics/engineering -- detonation mechanics, interior ballistics, combustion; modern digital signal processing - ISAR, SAR; RF active array theory/practice; avionics system engineering; chemistry - organometallic/solid state synthesis, laser spectroscopy and electrochemistry.

At the undergraduate level there is a continuing need in these areas: engineering (particularly electronics and curriculums with an emphasis on reliability, manufacturing and quality); computer science (in a specialty other than offered at NWC); physics; mathematics; acquisition/contracts; financial analysis/cost accounting with an ADP background

Programs of study at both the graduate and undergraduate level are not limited to these areas. Further details of the long-term training program are provided in NAVWP-NCENINST 12410.5M of November 12, 1987, and in the Long-Term Training Handbook. Both sources are available from department offices or from the Training Center.

The long-term training application process has been streamlined since issuance of the handbook, applicants are strongly advised to contact Code 224 (Training Center, Bldg. 00947, Rm 212) for information and application forms. The deadline for submission of applicants for programs commencing in the fall semester or fall-winter quarter of 1990-91 is March 23.

Information on LTT policies and application procedures is available from Bill Bethke, Code 224, NWC ext. 2349.



# Sweetheart Scotch Doubles set for Hall Memorial Lanes

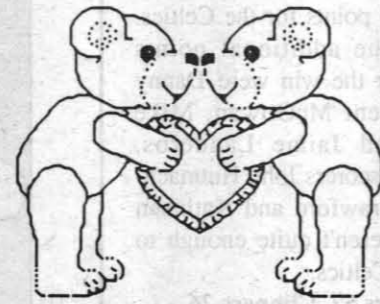
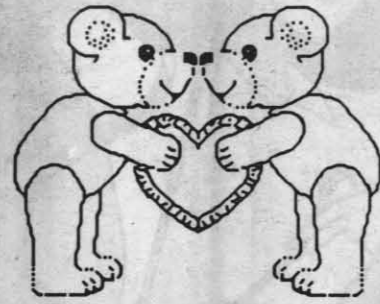
Hall Memorial Lanes is just the place to take a sweetheart for a fun, recreational evening.

The Sweetheart Scotch Doubles Tournament will take place tonight (Feb. 9) at 6 p.m. Entry fee is only \$10 per couple.

This is a handicapped tournament, so even couples who can't get out and bowl often have a

chance at the prize money. According to Bill Booth, Hall Memorial Lanes manager, the amount and number of pay offs will depend on the number of entries.

To register or to acquire further information about this fun event, call NWC ext. 3471.



## Selection of vehicles on Lemon Lot

As of Tuesday, Feb. 6, the following vehicles are for sale on the Naval Weapons Center Lemon Lot (across from the Housing Office): 86 Jeep Cherokee Pioneer, 85 Dodge D-100 Pick-up, 85 Toyota Pick-up, 85 Isuzu Pick-up, 70 VW Square-back, 82 Honda Accord, 88 Ford Ranger XLT, 87 Nissan King Cab, 72 Chrysler New Yorker, (2) 85 Bronco II XLT, 85 Ford Coachman Van Conversion, 86 Ford F-250 6.4L Diesel, 68 Datsun Pick-up, 74 Corvette Stingray, 88 Suncrest Motorhome and an 80 25' Vacationer Trailer.

For more information about any of these vehicles, check the Lemon Lot, today. For more information about how to put a vehicle on the Lemon Lot, call the Auto Hobby Center at NWC ext. 2346.

## Game club meets this Saturday

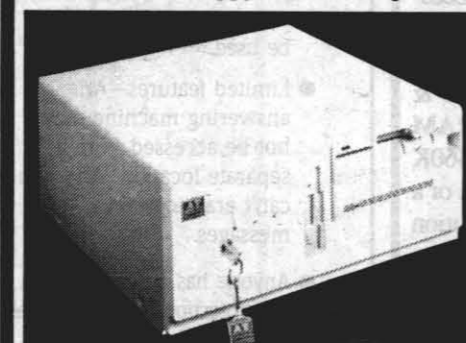
Tomorrow, Feb. 10, the Ridgecrest Games Club will meet at 4 p.m. at the old County Building on Ridgecrest Blvd. Members should bring their most visual games because the *Daily Independent* will be taking pictures for a story on the club.

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 249 Balsam St. 375-5744 next to the Music Man

## Coach clinic scheduled

Seattle Mariners' top draft pick for last year will be one of the guest speakers at the Indian Wells Valley Youth Baseball Managers/Coaches Clinic planned for 9 a.m. to 1 p.m. tomorrow at the Kerr McGee Center (behind Taco Bell), Fossil Falls Room.

Pitcher Roger Salkeld will be happy to sign autographs and talk to baseball fans after the clinic is over.

For more information, call Bob Brown at 375-5009.

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# PME Shop saluted for outstanding efforts

In recognition of the dedicated endeavors of the personnel responsible for the upkeep of the Metrology Automated System for Uniform Recall and Reporting (MEASURE) inventory of calibratable equipment of the Aircraft Intermediate Maintenance Department (AIMD) at the Naval Weapons Center, members of the Precision Measuring Equipment (PME Shop)/Field Calibration Activity, Intermediate Maintenance Branch, recently received the MEASURE Program's Outstanding Activity Award for work done for the period of June through November 1989.

To earn this award, a MEASURE participant must possess an inventory of Test and Monitoring Systems (TAMS) equipment and/or calibration standards which, for six consecutive months, has met or exceeded the most stringent of requirements, an "overdue" percentage rate which has averaged two percent or less during the period.

During this time frame, the shop averaged an inventory "overdue" percentage rate of 0.41 percent.

According to AZC Erwin Cabal, Aircraft Support Division,

Aircraft Department, this is the third consecutive award the members of the PME Shop has received for their conscientious work.

The letter, which accompanied the award and was signed by R. L. Tade, director, Department of the Navy, Measure Operational Control Center, West, stated, "To maintain an inventory averaging less than two percent overdue for six consecutive months is difficult in itself. To perform in such an outstanding manner for three such periods of time is most commendable and praiseworthy."

AT1 Manuel Barroga and AT2 Brian Drewyor, supervisors at the PME Shop, accepted the award from Capt. Ken Allen, department head, Aircraft Department, on behalf of their fellow workers.

Members honored for their work were AT1 Barroga, AT2 Drewyor, AQAN Philip Cockrell, AQ3 Anthony Roberts, AQ2 Michael Hair, AT2 Eric Blyly, FC1 Steven Howell, AQ2 Byron Beck and AQAA Shawn Bailey.

The accompanying letter concludes, "Congratulations are extended by this entire Center for a job well done."



**MEASURE AWARD**--Capt. Gene Allen, head of NWC's Aircraft Department, presents the MESAURE Program Award to members of the AIMD Precision Measuring Equipment Shop, Capt. Allen extended "congratulations for a job well done," to members of the team who earned the recognition.

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**Self-help still cleaning key**

Spring Cleaning at the Lake is coming! The self help day scheduled for Saturday, Mar. 31 is rapidly gaining interest. Weekly meetings with representatives from Naval Weapons Center codes have uncovered a multitude of projects that will help give the Center a face lift and raise the quality of life at NWC. Projects will be tackled from 8 a.m. to noon on Saturday, with an appreciation party thrown that afternoon. The idea is to "paint-up, clean-up and fix-up" small projects around the workplace. Individuals are putting in their time and labor, and the Navy is furnishing supplies and materials.

"The response is overwhelming," said Lt. Dave Harman, project coordinator. "It started off slowly, but has really gained momentum during the past few weeks."

Proposed projects range from cleaning up workspaces and storage rooms to fixing up space to be used as break areas. Painting offices and workspaces seems to be the most popular project. There are quite a few requests to landscape around buildings also. "This is fine as long as an existing watering system is readily available to maintain the plants," a Public Works representative said.

All that's needed is a team leader who will take responsibility for organizing his or her workforce, and a group of people who want to help. A special work request must be submitted through a department representative to be screened by the Self Help Committee for safety, cost and feasibility. Although the original deadline for submitting work requests has passed, requests are still being considered on an individual basis.

Only projects such as clean up, renovation and repair are covered under 'self help'. Minor construction and skilled work such as electrical and plumbing are not in the scope of this project. To find out if a job is within the scope of 'self help', submit a request, and the committee will decide.

"Of course, there are those projects that don't quite fit in with 'self help'," stated Lt. Harman. "We had one individual who wanted a trailer removed and listed the materials needed as MK 83 GP bombs and JP-5...an effective method, but not quite within the spirit of the project." Any questions or comments can be directed to Lt. Harman at NWC ext. 3002.

**ESB benefits from plaza's beauty shop**

Beautician Chimene Eldridge is the newest addition to the Bennington Plaza Barber and Beauty Shop. The beauty salon is open for walk-ins or appointments from 10 a.m. to 5 p.m. Tuesday through Saturday. "I will, however, accept appointments for later times," Eldridge said. "I know many people work until 4:30 and can't necessarily be here any earlier. All anyone has to do is to call for a late appointment."

According to the hairdresser, she enjoys her work, whether the job is a permanent, hair coloring, french braids or just a cut and style. "Not only do I like working with hair," Eldridge said, "I like talking to my customers. People are really interesting, especially the older ones."

**Measles outbreak in Kern County**

Reports of measles in the local area have been reported to the Kern County Health Department. To avoid any further outbreak, residents are requested to review their immunization status. Personnel who have not been immunized against measles or who have not had a diagnosed case of measles are encouraged to be immunized.

Symptoms of measles are general tiredness, fever, chills, cough, watery eyes sensitive to light and a generalized rash. Immunizations for measles and other communicable diseases are available for eligible beneficiaries at the Branch Medical Clinic on Tuesday afternoons from 2 to 4 p.m. and on Friday mornings from 9 to 11 a.m. The Kern County Health Department in Ridgecrest is having a special immunization clinic on Feb. 15 from 8 to 11:30 a.m. Each immunization is \$3. If possible, please bring your shot records.

A graduate of Federica's Beauty School in Bakersfield, Eldridge has only been working at NWC for two months but is no stranger to the area. "I grew up here," she said. "I know what the sun and wind can do to hair."

As a beautician, Eldridge works on children's, women's or men's hair. "I don't do clipper cuts like the barbers do," she said. "But I can do men's hairstyling."

Part of Eldridge's profits go to the Employee Services Board, which gives money to Morale, Welfare & Recreation to help offset costs of activities. ESB controls contracts for the Plaza Barber & Beauty Shop, Sandwiches 'N Things trucks, Recycling Center and a shoemobile that visits the Center.



**CREATING ANOTHER MASTERPIECE--Chimene Eldridge, the new beautician at the Bennington Plaza Barber and Beauty Shop, concentrates on Tina Shoaf's hair as she puts it into a French braid. In the background, barber John Gonzalez cuts his client's hair. The ESB beauty salon is open Tuesday through Saturday from 10 a.m. to 5 p.m. for walk-ins and appointments. Photo by Peggy Shoaf**

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**Youth basketball athletes learn about "team" play**

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**Intructional Division Supersonics 14, Mavericks 7**  
An excellent defense by David Roe and five field goals by Zack Woydziak put the Supersonics into the lead. Rad Everett and John Little added to the score with one basket each. Mavericks' points were tossed in by Justin Robbins, Brian Kejiwara, Anthony Pfau, Darren Hodge and Patrick Goodman.

**Intermediate Division Kings 23, Jazz 15**

With two steals and one rebound, Richard Lunsford played his best game ever, noted the King's coach. Mike Bachman and Behrang Goodarazid dunked in six points each; while Brad Seavey, Pam Mason, Blake Harden, David Sutherland and Justin Nelson combined added an additional 11 points. Pete Greedy led the Jazz with one field goal and four free throws. Other scorers in the loss were Galen Wilson, Jeff Robbins, Mark Kuz, Ray Hyles and Lenny Winterley.

**Spurs 31, Hawks 24**  
In a very physical game, Andy DuBois was once again the higher scorer for the Spurs with 12 points. The victory was secured by accurate tosses from Jimmy Miller, Josh Williams, Tony DeCarlo, Lisa O'Neil, Gabe Williams and Thomas Koelsch. With thirteen points by David Rollinson and a good aim from Josh Behr, Gensis Smith, James

**Adults needed to partake in soccer bouts**

Adult soccer teams are now forming at the Naval Weapons Center. Practice is held each Tuesday and Friday evenings from 6 to 8 p.m. on the Knox fields (off of South Knox Rd.).

Anyone with an NWC Sports Membership Card is eligible to play.

For more information, call Larry Clark at NWC ext. 2643 or John Piri at NWC ext. 3611.

Clark, Matt Labarre and Brian Zimmerman, the Hawks showed the Spurs they weren't to be taken lightly.

**Cavaliers 55, Bullets 8**  
In this game, the scoring definitely belonged to the Norland brothers. Mark led the scoring with 18 points, closely followed by Jay who threw in 16 points. Philip Belding, Adam Szymerski, Mike Kelly, Jeff Randolph, Timothy Cash and Heather Staab also scored in the win. Despite the loss, Dennis Tankersly had an outstanding performance with four points and seven rebounds. Timmy Hutmacher also scored for the Bullets.

**Junior Division Hornets 50, Timberwolves 32**

With team play, the Hornets chalked up another victory. Jonathan Mickelson and Brian Sutterwaite were high scorers, while Galen Hollins, Shelby Allread, Dan Behr, and Tim Jacobs also added points to the scoreboard. Toby Adam led the Timberwolves with five field goals.

Good shots by Mat Peaslee, Daniel Bolin, Theresa Reeves, Timmy Adam, Jeremy Hayes and Tom Davis proved the Timberwolves were a hard team to beat.

**Celtics 43, Rockets 35**  
Cabral Williams had an impressive control of the ball, scoring 24 points for the Celtics. Scoring the additional points needed for the win were Danny LaHay, Kent McGowan, Mike Murry and Jaime Landeros. Efforts by scorers John Hutmacher, Josh Crawford and Kathleen Chilbes weren't quite enough to offset the Celtics.

**Lakers 57, Clippers 26**

Twenty-two points by Brooke Fryar and 15 points by Luke Woydziak put the Lakers into a commanding lead. Additional baskets were shot by Chris Maki, Angie Dominguez, Nikki Richards, Kees Vanderhoek, Tiffany McCollum and Will Squire. Even though Joel Haynes dunked in 10 fields goals and two free throws, the Clippers couldn't stop the Lakers.

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