

# Ford and Lincoln-Mercury Salute the U.S. Armed Forces.



★ Ford Ranger XLT



Ford Mustang GT ★



★ Mercury Tracer LTS

## Announcing the Ford Military Appreciation Purchase Program.

As our way of saying thanks, Ford Motor Company, Ford and Lincoln-Mercury dealers and the United Auto Workers would like to offer United States active-duty military personnel or their spouses a special purchase plan.

Now, you can get substantial savings off the Manufacturer's Suggested Retail Price on any new 1990, 1991 or 1992 Ford, Mercury, or Lincoln car or any Ford light truck through F-350 series pickups and the Econoline van.

To be eligible, just prove your active-duty status as of March 1, 1991. You must take delivery of your new vehicle on or before **December 31, 1991**. And only one vehicle can be purchased per household.

The Ford Military Appreciation Purchase Program is our way of showing we appreciate your efforts. You've given us your best. Now we'd like to do the same.

For more information, visit your Ford or Lincoln-Mercury dealer or call 1-800-445-6098.



March 28, 1991

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**Weather Report**

	Max	Min	Gusts
Wed.	50	39	20
Thurs.	57	38	12
Fri.	63	32	12
Sat.	61	37	15
Sun.	65	36	28
Mon.	55	41	22
Tues.	57	35	26

### Retiree Day starts in Michelson Lab next Friday at 3

April 5 is set for the Sixth Annual Retiree Appreciation Day at the Naval Weapons Center. Events for the day begin at 3 p.m. in Room 1000D of Michelson Laboratory.

Bill Davis, the Center's director of retired affairs, said the day will once again feature briefings from the NWC Commander, Capt. Douglas W. Cook, and Technical Director Bill Porter. In addition, Eva Bien, head of the Human Resources Department, will discuss this area along with recreation and club developments. A no-host social hour is set for 4:30 p.m. at the Seafarer Club.

Reservations are needed for the program in Michelson Lab and the Seafarer reception. Please call 939-3511 to make reservations. Spouses as well as retirees and alumni are welcome to attend.

### Michelson awards set Wednesday, April 17, at 9:30

Several Naval Weapons Center employees will be recognized during the Michelson Laboratory Awards ceremony scheduled for 9:30 a.m. on Wednesday, April 17, in Room 1000D of Michelson Laboratory.

The Michelson Laboratory Award is designed to recognize individuals for technical excellence based on outstanding performance of their individual duties. Established in 1966, the award is complimentary to the Center's highest local award -- the L.T.E. Thompson Award.

# NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLVI, No. 12, March 28, 1991

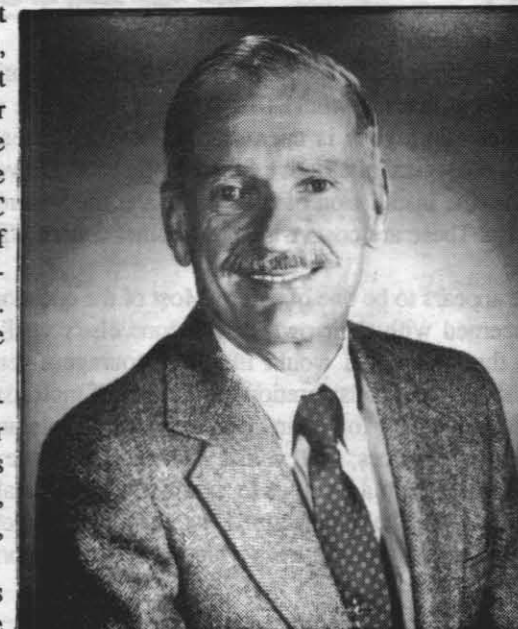
## Two Center executives win honor

Jack Russell and Phil Arnold earn Presidential Meritorious Rank awards

Head of the Naval Weapons Center's Test and Evaluation Directorate, D. Jack Russell, and head of Weapons Planning Group at NWC, Phil Arnold, were among the senior executives in the federal government to be given the Presidential Meritorious Executive Rank Award earlier this month. Former NWC Technical Director Gerry Schiefer was one of only 69 senior executives to earn the Presidential Distinguished Executive Rank Award. This is the highest executive civil service award.

President George Bush made the presentation to Schiefer, now the deputy commander at the Space and Naval Warfare Systems Command and Director of Navy Laboratories, at a ceremony held on Jan. 9 in Washington, D.C.

D. Jack Russell earned his Meritorious Executive Rank Award for a long career at the Naval Weapons Center. As head of the Test



D. Jack Russell

and Evaluation Directorate, Russell's responsibilities include managing the Center's test range assets. These ranges encompass more than a million acres of land and airspace reserved for military aircraft associated with test work. There are 28 major facilities, covering all aspects of air weapons testing, electronic warfare and ground testing of explosives, propellants and massive rocket motors.

Russell has played a major role in evolving the second-source concept of weapons procurement that has resulted in major savings to the Department of Defense. He and others evolved an approach to qualifying a second source under conditions fair and responsible to the original production source and with continuity in the process being provided by the engineering skills of the in-house laboratory.

He has introduced innovative financial

(Continued on Page 5)

## Aerial display thrills thousands

by Steve Boster  
Rocketeer Editor

Thousands of eyes peered skyward and thousands of hands blocked out the sun as an estimated 15,000 people watched the Naval Weapons Center Air Show last Saturday afternoon. The roar of jet engines all but drowned out the cheers, whistles and groans of astonishment as the throng at Armitage Field watched the Blue Angels, Air Test and Evaluation Squadron Five and the Air Force's F-16 demonstration team put on a two-hour exhibition of skill and power.

If the aircraft show wasn't enough, jumpers from NWC's Parachute Test Operations Branch showed off the skill and equipment used by today's parachutists to open the show. PR1 Bill Leuallen began the afternoon's festivities by unfurling an American flag as he jumped out of a Navy helicopter at 6,000 feet above the crowd. He made a pinpoint landing in front of the thousands of people, from all over the west, who were on hand.

Visitors to Saturday's air show at the Naval Weapons Center spent hours looking around and down, not just up in the sky. More than 20 static displays of

(Continued on Page 13)



UP, UP & AWAY— Streaming smoke behind them, the Blue Angels climb for altitude in one NWC air show display of F/A-18 power. Photo by PH3 Cary Brady



# Commentary

## NWC Rocketeer

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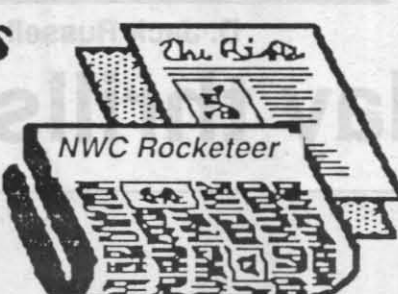


### Words from the Commander:

I receive many Skipper Sez questions regarding the installation of bike paths and bicycle lanes. I would first like to say that the use of bicycles by Center employees is encouraged, both as a healthful lifestyle and as an ecological alternative for transportation. However, I regretfully add that the installation of bike paths and the widening of roads is very costly. These are costs which the Center cannot afford at this time.

The issue here appears to be one of safety. Most of the questions are from people concerned with their own or someone else's well-being and I appreciate that concern. I would like to encourage a sense of understanding, patience and consideration on the part of motorists and cyclists. Motorists are asked for their attentiveness and tolerance of any momentary inconveniences; and cyclists are expected to obey traffic laws which apply to them as well as to motorists and to be alert to motorists around them. I believe mutual respect and consideration will go a long way in resolving the problems which have been reported to me.

## Pages from the Past



### March 28, 1986

Ground was broken for the first geothermal power plant near Coso Hot Springs; NWC representatives, led by Capt. John Patterson and contractor representatives, did the honors. . . Lt. Mark Eoff, Lt. Tim Cleary, AS2 Richard Tavenner and AE3 Mark Keenan were honored by the National Helicopter Association for a rescue mission performed on Mt. Whitney. . . AE3 Marty Chilton was named NWC's Sailor of the Year. . . Maurice Hamm moved out of Hangar 3 as he retired; the last plank owner of the hangar still working there.

**March 27, 1981**  
China Lake officials ordered a second emergency wild burro reduction effort to reduce the danger of possible burro vs. aircraft collisions at Armitage Field. . . LCdr. Chip Lancaster and Lt. Dennis Wilcox flew an NWC helicopter in a unsuccessful search for a mission civilian plane near Rock Creek Canyon in the Sierra Nevada. . . CLMRG, EOD and SAR personnel took part in search and rescue training.

China Lake officials ordered a second emergency wild burro reduction effort to reduce the danger of possible burro vs. aircraft collisions at Armitage Field. . . LCdr. Chip Lancaster and Lt. Dennis Wilcox flew an NWC helicopter in a unsuccessful search for a mission civilian plane near Rock Creek Canyon in the Sierra Nevada. . . CLMRG, EOD and SAR personnel took part in search and rescue training.

### March 25, 1966

Dr. Ernst Bauer and George Turner of the Research Department's Physics Division announced progress in developing a new ultra-high vacuum electron microscope. . . CMC Frank Menard, a Seabee Reservist, was called to active duty to work overseas on a State Department security project. . . 70 visitors from the National Security Industrial Association visited NOTS to review R&D programs. . . VAdm. T. F. Connolly, COM-NAVAIRPAC, was greeted by NOTS Commander Capt. John Hardy for short visit on Tuesday.

K.H. Robinson was named acting community manager at NOTS. . . Local fire fighters placed seventh in the nation in fire prevention efforts. . . Irene LeGrand is the first aid nurse in Michelson Laboratory. . . K.E. James and Abe Borts were recognized for work with rocket propelled test vehicles. . . Dr. F. W. Brown spoke to ASPA of the difference between government and private sector labs.

### QUESTION

Is there any way for a laundramat to be built on base for military personnel, E-3 and below, who live in family housing but cannot afford to use the laundramats out in town?

### ANSWER

Unfortunately due to budgetary constraints, the Center cannot afford to provide free laundry services. NWC did have laundry facilities located in the current MAA Building during the period of 1972 through 1974, but was closed due to lack of customer support. Three years ago, the Navy Exchange attempted to obtain a private contractor to locate machines on base. This plan failed because neither the private contractor or the base would pay for the plumbing modifications to a building. Apparently, the installation of plumbing would be very expensive and previous sales history would not warrant the expense.

*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 one or two 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. There is no intent that this column be used to subvert normal, established chain-of-command channels.*

## China Lake Calendar

### April 2

. . . Printed Wiring Board Workshop, NWC Training Center, 8 a.m.

### April 2-4

. . . R&D Information Exchange Conference, NWC. Call 3523 for more information.

### April 3, 4, 10 & 24

. . . Security Refresher Training, Center Theatre, 10 a.m. & 3 p.m.

### April 5

. . . Retiree/Alumni Day, Michelson Lab Room 1000D, starting at 3 p.m.

### April 17

. . . China Lake Women In Science & Engineering Luncheon, Carriage Inn, 11:30 a.m.-1 p.m.

### April 22-25

. . . Navy/Marine Corps Relief Society Course, 9 a.m. to noon, NMCRS Building

### Coming Events

May 6-7, Annual Safety Standdown

June 4-8, American Heritage Week Celebration

*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 Monday before Thursdays publication.*

# ROCKETEER CLASSIFIEDS

**NON-MILITARY PERSONNEL** that wish to place Classified ads in the ROCKETEER will be charged, **PER ISSUE**, as follows:

Ads up to 5 lines.....	\$3.00
Ads up to 10 lines.....	\$5.50
Ads up to 15 lines.....	\$8.00
Ads up to 20 lines.....	\$10.00
Ads over 20 lines.....	\$10.00 & \$1.00 per line over 20 lines.

## CLASSIFICATIONS

PERSONALS.....1	SERVICES.....30
LOST & FOUND.....5	AUTOMOTIVE.....35
HAPPY ADS.....10	MISC. FOR SALE.....40
HELP WANTED.....15	GARAGE SALES.....45
RENTALS.....20	PETS & SUPPLIES.....50
BUSINESS.....25	REAL ESTATE.....55

**DEADLINE FOR ALL CLASSIFIED LINE ADS IS 4:30 p.m. TUESDAY - PRIOR TO THURSDAY PUBLICATION**

**TO PLACE AN AD  
CALL 375-4481**

**OR DROP IT BY**

***The Daily Independent!***

**224 East Ridgecrest Blvd.**

**ALL ACTIVE/RETIRED MILITARY  
PERSONNEL & THEIR DEPENDENTS  
MAY PLACE THEIR CLASSIFIED ADS  
FREE OF CHARGE!**

### 1 PERSONALS

Military and Civil Service: Write Congress to pass SENATE S-267, and HOUSE HR-431. Protect everybody's pension against NON-RESIDENT STATE INCOME SOURCE TAX. For information call 375-8096, 375-2634, 375-2878. (RETIRES TO ELIMINATE STATE INCOME SOURCE TAX)

### 20 RENTALS

#### 1 BDRM., 1 BATH

Pool/walk in closet/refrigerator

**\$375/month**



ERA Vaughn Realty  
446-6561

FIRST MONTH HALF OFF SPECIAL - 2BR, 2BA, \$450/mo., \$300 dep. pool & jacuzzi in courtyard. Water/trash, basic cable paid. 375-7642. Furniture Available. CALL ANYTIME!

### 30 SERVICES

ARE YOU READY? 2-4-U CLEANING, a licensed and bonded service is ready to clean your residence from top to bottom with professional equipment. 375-4918.

CLOCK REPAIR: Guaranteed work. Specializing in Antiques, Grandfather, Cuckoo, Anniversary and Atmos. 375-5511, mornings and weekends.

### 30 SERVICES

EDWARDS PAINTING  
SERVING THE AREA SINCE 1979  
CALL FOR AN ESTIMATE.  
LIC.#427485 375-1439

FAMILY HOME DAYCARE ON BASE - Openings for part time & drop-ins only. Around the corner from Richmond elementary. Sorry, not set up for infants. Base Certification pending. 446-1012.

HOUSE CLEANING - 446-1316.

WINDOW TINTING - Auto, commercial, residential. Call Larry, 446-6612.

### 35 AUTOMOTIVE

'88 GRAND AM SE - LOADED, still has 2,000 mile bumper to bumper warranty. Black with grey interior, good condition. Asking \$5,900. 446-3649.

1980 PONTIAC SUNBIRD - 4cyl., 4-spd., tilt, AM/FM stereo. New muffler, brakes, tires, battery. 69K original miles. Never hit, needs paint. \$1,200/OBO. 446-1515 - leave message.

1981 YAMAHA 1100cc. Excellent shape. For Sale or Trade - \$1,400/OBO.  
250cc Bultaco Dirt Bike, good shape - \$200/OBO. 371-2366, leave message.

**Classifieds Get Results!**

### 35 AUTOMOTIVE

TOTAL SMOG PACKAGE FOR '75 - '77 DATSUN L20B ENGINE. Catalytic converter not included. \$300 - FIRM. 375-2510 after 6pm weekdays, anytime on weekends.

### 40 MISC. FOR SALE

2 SOFAS, \$125 & \$75, Coffee Table - \$50, Fridgidaire Dryer, needs work - \$25. 446-4497.

FOR SALE: Sofa, Chair, Love Seat - \$120/OBO. 446-6467.

SEARS REFRIGERATOR - in good condition - \$200. 375-4706, leave message.

TOTAL SMOG PACKAGE FOR '75 - '77 DATSUN L20B ENGINE. Catalytic converter not included. \$300 - FIRM. 375-2510 after 6pm weekdays, anytime on weekends.

### 45 GARAGE SALES

YARD SALE - Sat. ONLY - 8am to 12:00. Refrigerator, table and chairs, much more. 612 Suzanne St.

### 50 PETS/SUPPLIES

JUST IN TIME FOR EASTER - Pure Bred, 6 weeks old, Cocker Spaniels. Males - \$250, Females \$325. Call eves 446-3955.

### 50 PETS/SUPPLIES

BLUE RIBBON GROOMING. Professional and Self-Service Pet Care Center. 375-5048.

HORSE BOARDING - Protected stalls with tack room, feeding, work and riding area. Close to NWC. Most important: Lots of TLC! 371-7829.

**The Daily Independent**  
375-4481

### 55 REAL ESTATE

1991 FLEETWOOD, 26x56 - 3BR, 2BA, totally upgraded, in Boulder Pointe Mobile Home Park. Many amenities. LOW DOWN! CALL 375-0400.

WHOLESALE HOUSING - Bank owned units, 2 & 3BR homes, 24'x52' & 20'x52'. Spaces 49, 75, and 134 in La Casa M.H.P., 700 S. Silver Ridge. \$28,000-\$32,000 or make an offer. (209) 834-1436. Manager has keys, 11am-1pm, & 4-7pm.

MILITARY/SERVICE  
CONNECTED  
100% APPROVED!

**\$5,000**

**NO CREDIT CHECK!**

Civilians 98% Approved  
**ALSO AVAILABLE**

**\$200 GIFT CERTIFICATES & A FREE  
VACATION WITH EACH CREDIT LINE!**

*As Seen On Television!*  
**NO TURN DOWNS!  
LOW MONTHLY PAYMENTS!**

**FREE DETAILS! CALL 1-803-272-1378**

*\$200 on gift checks/Free Vacation Certificate  
with each order*



# Community Events

## Photo contest announced

Amateur photographers are invited to enter the *High Desert Natural Wonders* second annual photography contest, scheduled as part of the *High Desert Natural Wonders Weekend*, April 20 & 21 in Ridgecrest.

Photos will be accepted which depict the contest theme of "expressing the natural beauty, design and color of the desert mountain region, be it animate or inanimate."

The contest is open to all ages and has categories both for black-and-white entries and color photos. Each category is divided into age classes: entries from persons age 17 and under, and entries from persons age 18 and over.

Prizes will be awarded to the three photos judged to be the best in each category and class. Prizes include ribbons, free rolls of film and certificates for enlargement, and \$25 for each first-place photo. An overall contest winner will be selected whose photo will become the basis of a poster designed for next year's *High Desert Natural Wonders Weekend*.

Copies of the photography contest rules are available at all Ridgecrest photo shops and from the City of Ridgecrest. Contact Pam Parish, Facility/Tourism Manager, 100 W. California Ave., 371-3682, for additional information.



## Community Events

Friends of JoJo presents the *Miles of Smiles Clown Festival* Saturday, **March 30**, 12 to 6 p.m., at the Kerr McGee Civic Center. Open to all ages, tickets run \$2.50 or five tickets for \$10 and can be purchased at Country Junction, Sandy's Hair Factory, Sports Oasis, and Drive-Thru Dairy. For more information call 375-6104 or 3753232.

On **April 1 and 15**, from 8:30 to 11 a.m. and from 1 to 3 p.m., the Kern County health Department (250 W. Ridgecrest Blvd.) will hold its monthly immunization clinics.

Don't miss the up-coming *County Fair and Chili Cook-off* **April 6 & 7**, sponsored by the Kernville Chamber of Commerce. For information call (619) 376-2629.

On Tuesday, **April 9**, the Cerro Coso Choir, under the direction of Lois Sanders, will perform a variety of music at the WACOM luncheon meeting set for the Seafarer Club. *Reservations are required and need to be made by April 3*. Call 375-9600.

Everyone is welcome at the *Sierra Amateur Radio Club* meeting set for **April 8 and May 13** at the Kerr-McGee Center in the Red Rock Canyon Room. All meetings are held at 7:30 p.m.

Now is the time to register for Desert Counseling Clinic's *Mourning: A Time of Transition from Grief & Loss* workshop. It lasts four weeks beginning Tuesday, **April 9** at the Desert Counseling Clinic, 814 N. Norma. Class will run from 6:30 to 8 p.m. Anyone who has experienced loss in their life, whether the loss is in

your nuclear family or a friend, may benefit from this workshop. To register call 375-9781. There is a \$20 pre-registration fee, or \$25 at the door.

Enjoy both theatrical entertainment and a romantic atmosphere when China Lake Players presents its dinner theatre *Play it Again, Sam* on **April 12** in Faris's at the Heritage. Dinner is at 6:30 p.m., followed by the performance at 7:30 p.m. After the April 12 opening, comedy will play **April 13, 19 & 20th**.

April is nationally recognized as Month of the Child and Child Abuse Prevention Month. Events planned include:

•Children's Art Show. The theme this year is *What's Special About Me*. The children's art will be on display starting April 1 at the Ridgecrest Library, Drummond Medical Center, Desert Counseling Center, Vons and Albertsons. •Starting April 1, a display of selected books for children will be at the Ridgecrest Branch of the Kern County Library.

## NRS closed this Friday

On Friday, March 29, the Navy Marine Corps Relief Society Office will be closed. If an emergency should arise, call 939-2921 or the Quarter Deck. Regular office hours will resume on Monday, April 1.

## SALOON

11AM-Midnight  
Mon.-Sat.  
1-9PM  
Sunday  
1400 N.  
Norma St.  
446-3103

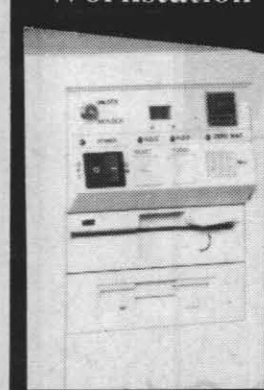
Bring the family in for lunch or dinner

Check out our Sandwich Specials

9 Beers on draft served in ice cold 20 oz. "Schooner Glasses"

## 486 Workstation \$2,395

### 25MHz 486 Workstation



**486 System:** 25MHz 486 system with video-RAM & system BIOSes optionally relocatable to 32-bit high-speed RAM, 128K cache, separate I/O-bus clock, standard-AT bus controller subsystem for complete compatibility with XT and AT cards. Complete system with full tower case, 44MB extra-high-performance hard disk drive, integral 486 floating point processor with 8K cache, 1MB RAM (motherboard holds up to 16MB), 1 parallel & 2 serial ports, MS-DOS 4.01, 1.2MB/360K floppy disk drive, high resolution monochrome monitor & enhanced keyboard. 3-year parts and labor warranty on entire system.

Computing Technology's

## Computer Store

251 Balsam St. 375-5744 quality, service, price

## CAL STATE BAKERSFIELD

### - Textbooks in Stock -

#1  
TEXTBOOK DEALER  
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OPEN: MON.-FRI. 9:30 to 6:00 & SAT. 9:30 to 5:00



901 N. Heritage Dr. Village Plaza 446-READ

## The Nail & Tanning Salon

Acrylic • Bonding • Manicures  
Pedicures • Unique Nail Design  
Tanning • Therapeutic Massage  
by Delorse Kinsiel  
201-B Panamint 375-3300

Bonnie Brown Nail Technician  
Jayne Jenkins Lic. Dermatologist Nail Technician  
Dana DePew Nail Technician

## March Special

Tanning Reg. \$35.00 Now \$30.00  
Pedicures Reg. \$25.00 Now \$19.00

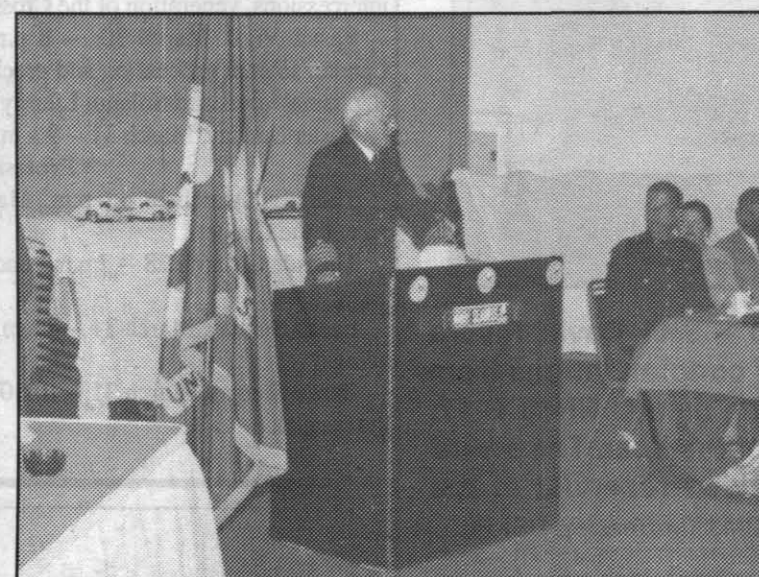
# Military News

## Seabees celebrate birthday anniversary

By Peggy Shoaf  
Rocketeer Staff Writer

With a look at the past, hope for the future and a celebration of the present, this year's Seabee Ball at the Naval Weapons Center saluted members of the Naval Construction Battalion (Seabees) team. The gala event was hosted by Reserve Naval Mobile Construction Battalion 17, Detachment 0217, the China Lake Seabee unit.

SK1 David Rivera was named Seabee of the Year. In addition, the Sea Cadets, sponsored by Air Test & Evaluation Squadron Five (VX-5), gave an impressive display as they posted colors. Following tradition, VT1 Lu-Ellen Hays and CM3 Shawn Krister, the oldest and youngest Seabee present, were honored. Master of Ceremonies was the King Bee, Cdr. James R. Williams, NWC Public Works officer.



**IN THE BEGINNING** - Capt. Irwin I. "Bud" Shull, CEC USN (Ret.), talks about the birth of Reserve Naval Mobile Construction Battalion 17, Detachment 0217, at the recently held Seabee Ball. Capt. Shull was the first commander of the local Seabee unit. Photo by CM3 Tim Teasley, USNR

Guest speaker Capt. Irwin I. "Bud" Shull, CEC USN (Ret.), talked about the birth of RNMCB Seventeen Det 0217. The retired Civil Engineer Corps officer noted the detachment originated from the Volunteer Naval Reserve Ordnance Unit 11-1, which drilled on Friday afternoons at the Naval Ordnance Test Station (NOTS), Inyokern, Calif.

In 1954, the unit became the Naval Reserve Civil Engineers Corps Company 11-25. During this time, the unit performed group training on weekends without pay. In 1956, the unit became known as NRCB Division 11-2. It took its present name in 1974.

Capt. Shull began his military career in 1942. He was commissioned an ensign in the Civil Engineer Corps in 1944 and from 1944 to 1946, served as a CEC officer on the U.S. Naval Board of Investigation, BuDocks Heavy

Equipment Inventory Board and in the 15th & 36th Construction Battalions. Even before his release from active duty in 1946, Capt. Shull worked with the volunteer CEC reserves in San Diego. From 1951 to 1961, he was the commanding officer of the local unit. In 1961, Capt. Shull was reassigned and the local unit received its second commander.

Also attending the ball and praising the accomplishments of the Seabee unit were former DET 0217 commanders Capt. Dick Malone (Ret.) and Capt. Paul Erickson (Ret.).

What better way for members of RNMCB Seventeen, Det 0217 to celebrate the birth of the Civil Engineer Corp and the Seabees than with the men who helped their unit become what it is today?

## Homecoming sculpture available

Families of returning Operation Desert Storm personnel are being offered a unique opportunity to commemorate the event. The U.S. Navy Memorial in Washington has invited families to purchase replicas of *The Homecoming*, a bronze sculpture, at a special introductory price.

The statue portrays a reunion of a sailor and his wife and son, the work of artist Stanley Bleifeld, who also sculpted the Lone Sailor statue at the Memorial.

The 8-inch tall bonded bronze miniatures of *The Homecoming* may be ordered directly from the Navy Memorial Foundation in Washington.

The full-size statue, sponsored by the Fleet Reserve Association as part of the association's one-million dollar gift to the Navy Memorial building fund, will be



on permanent display in the Quarterdeck of the Memorial's Visitor Center, scheduled to open in late spring.

Like the full-sized version, *The Homecoming* replica is a tribute to the Navy family and a keepsake reminder of Navy family homecomings following Operation Desert Storm.

The replica may be ordered by telephone (using VISA or MasterCard) for \$99 plus a \$4 shipping and handling fee through the Navy Memorial Foundation. Just call 1-800-424-2733.

For mail orders, send name and address with check or money order payable to U.S. Navy Memorial Foundation to *The Homecoming*, U.S. Navy Memorial Foundation, 701 Pennsylvania Avenue, NW, Suite 123, Washington, DC, 20004. Allow four weeks for delivery.

## Vampire adds another four



**SIGNING ON THE DOTTED LINE** - VX-5 Vampire AD3 Norben M. Barrera signs his re-enlistment contract pledging another four years of active duty service. Lt. Don Berry performed the duties as re-enlisting officer while the squadron was deployed to NAS Fallon, Nev. Photo by PH3 Bushey

## Noteworthy CHAMPUS program changes take effect starting April 1

CHAMPUS eligible families should take note of the following program changes which are scheduled to take effect in the Civilian Health and Medical Program of the Uniformed Services as of April 1, 1991.

The annual outpatient deductible will increase to \$150 for individuals and \$300 for families of E-5s and above, effective for care provided on or after April 1, 1991. The previous deductibles of \$50 and \$100, respectively are still effective for families of E-4s and below.

As of Feb. 1, the annual limits on inpatient mental health care changed to 30 days for patients nineteen and older; 45 days for patients under nineteen; and 150 days for service provided by residential treatment centers.

As of Nov. 5, 1990, routine mammograms and pap smears can be obtained as diagnostic or preventive health care measures.

Also, certified marriage and family therapists are authorized as independent care providers under CHAM-

PUS when they accept the CHAMPUS-allowable charge as their full service fee.

Beginning Oct. 1, 1990, service members and their families who are involuntarily separated from active duty during a five-year period are eligible for CHAMPUS and military medical facility benefits for 60 days from their date of separation if they served less than six years, and 120 days if they served six years or more.



## Rivera named Seabee of the Year

By Peggy Shoaf  
Rocketeer Staff Writer

In an unusual turn of events, SK1 David Rivera was named Reserve Naval Mobile Construction Battalion Seventeen, Detachment 0217's Seabee of the Year of 1990 at the recently held Seabee Ball at the Naval Weapons Center. "This honor normally goes to someone with a Seabee rating, like a builder or plumber," the storekeeper first class said. "It is very unusual, when someone outside of the Seabee rate is picked."

The Seabee of the Year Award is given each year to a member of RNMCB Seventeen, Detachment 0217, who demonstrates superior quality of leadership, military and professional competence, as well as a continuing and enthusiastic support of the Naval Reserve program.

Petty Officer Rivera was honored for his work insuring detachment members attending annual training at Camp Pendleton, Calif., were properly outfitted with gear, sleeping bags and other supplies necessary for the training exercises. In addition, he was recognized for being part of a four-man team who planned and coordinated a 400-man training evolution at China Lake for a weekend exercise. "You personally arranged for bivouac sleeping arrangements, audio visual training aids, all camp equipment and after hours recreation," read the citation accompanying the award. "To this endeavor, you interfaced with RNMCB 17, the Reserve Center and a number of Naval Weapons Center offices, including Public Works; Morale, Welfare & Recreation; Seafarer Club, Supply, Fire and Police depart-



**DEDICATION APPRECIATED** — SK1 David Rivera (left) accepts his plaque and congratulations from Chief Jerry Morrison for being named RNMCB 17, Detachment 0217's Seabee of the Year. The award was presented to the surprised reservist at the annual Seabee Ball. Photo by CM3 Tim Teasley, USNR

ments.

As a storekeeper for the local detachment, Rivera handles a crew of 28 personnel and oversees five warehouses. In getting needed supplies, he often has to work with with the Bakersfield Reserve Center, the RSS in Port Hueneme, DRMO in Barstow and occasionally directly from the Reserve Naval Construction Force in Gulfport, Mississippi.

A member of the NWC's Procurement Department in his civilian life, Rivera followed his father's example by becoming a Seabee in his junior year of high school. "I was born a Seabee," he said. "I've been around Seabees all my life." The young sailor attended boot camp between his junior and senior years and joined the Navy after graduating high school. He became a Department of Defense employee in 1978 and has been working for the local

Seabee detachment and NWC ever since. "I'm what is known as a plank holder. I started with the unit when it switched over from RNMCB Division 11-2 to 17."

River has taken advantage of the training offered at NWC and received his AA degree in administration from Cerro Coso Community College. In his free time, he continues to work towards his bachelor's degree in administration by taking Cal-State Bakersfield classes. "I've had to slack off some lately because of my commitment to the Seabee unit, but I do plan on getting my degree," Rivera said.

"I could not be as effective as I am without the strong support of my boss, Pam Thompson, and lead, Rena Mueller, in the Procurement Department," Rivera noted. "They have given me the opportunities to serve both NWC and the Seabees."

## All Faith Chapel Easter schedule

### Catholic

Holy Thursday, March 28 -- 7:30 p.m., Mass of the Institution of the Holy Eucharist, washing of the feet of the 12 Apostles, procession with the Eucharist, repossession and adoration of the Blessed Sacrament in the Small Chapel.

Good Friday, March 29 -- 5 p.m., reading of the Passion, sung intercessions, veneration of the Cross and Holy Communion.

Easter Vigil, March 30 -- 8 p.m., blessing of Fire and Paschal Candle, solemn procession and proclamation of "Exultet," renewal of Baptismal vows and Solemn Liturgy of Easter.

Easter Sunday, March 31 -- 9 a.m., Mass in the All Faith Chapel.

### Protestant

Thursday, March 28 -- 6 p.m., Maundy Thursday Communion Service in the Chapel.

Thursday, March 28 -- 7 p.m., Sacrificial Soup Supper in the East Wing.

Easter Sunday, March 31 -- 8 a.m., Hosanna Service in the East Wing.

Easter Sunday, March 31 -- 10:30 a.m., Easter Sunday Services in the Chapel.



## Divine Services

### Protestant

Sunday Worship Service, East Wing	8:00 a.m.
Sunday Worship Service, Main Chapel	10:30 a.m.
Sunday School, 1008-10 Blandy & 1903-05 Mitscher	9:00 a.m.
Bible Study (East Wing), Wednesday	11:30 a.m.
(September thru June)	
Men's Prayer Breakfast, East Wing, Thursday	6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday	7:00 p.m.

### Islamic

Jumaa Prayer (Friday at 1006 Blandy)	12 (noon)
--------------------------------------	-----------

### Roman Catholic

Sunday Mass, Main Chapel	9:00 a.m.
Daily Mass, Small Chapel	11:35 a.m.
Confessions, Weekdays	By appointment
Religious Education Classes (Sunday)	
(September thru May)	10:30 a.m.
1902 Dibb, 1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher	

### Jewish

(NWC ext. 2851)

Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday at 1004 Blandy)	3:00-5:00 p.m.
Religious Education (Sunday at 1004 Blandy)	9:00 a.m.-12 noon

Chaplain S. A. Casimano, LCDR, CHC, USN  
Chaplain G. L. Goodman, LT. CHC, USNR  
Andy Busch, Student Rabbi  
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(Continued on Page 13)

## Passover: A celebration of freedom

"In every generation, we must look upon ourselves as if we personally had come forth to Freedom. We must retell the story of Exodus, the story of the journey to Freedom."

Using these, or similar, words; the Passover celebration begins each year. It is a Jewish holiday which is centered around the house and the table, not the synagogue or service. We gather with family and friends to recount the story, ask questions regarding themes and details, and participate in a joyous meal. The Passover observance is seven or eight days long, depending on one's practice. The "Seder," the

Passover Meal, is held on the first two nights of the holiday. March 29 and 30 are the dates of this year's celebrations.

This holiday meal is structured through the recital of a book called the "Haggadah." Recital, not reading, is the correct word to describe what should take place during Passover. The word "Haggadah" is best translated from the Hebrew as "telling." The Haggadah is an anthology of passages, whose core is 2,000 years old. We don't just read the Biblical quotes and Rabbinic passages in the Haggadah. We tell the story. We tell the story through

songs, stories, questions and symbols. Symbols of oppression and freedom are the most familiar parts of Passover. Matzah, which is unleavened bread, represents the rush that accompanied the Jewish Exodus to freedom. Bitter Herbs, often Horseradish, signify the bitterness and pain that a lack of freedom causes the human spirit.

Participation is encouraged, while the story is told using these various techniques. Children, specifically, ask questions regarding Passover and Jewish history. Everyone, however, is encouraged to ask questions of

## Unexpected circumstances cause hardship for fellow workers

(Continued from Page 24)

Polly Bainbridge, Secretary, Code 3922 -- is currently undergoing medical treatment and is indebted for leave.

George Petty, Physicist, Code 3924 -- was admitted to

the Duke University Hospital on an emergency basis with the diagnosis of acute myelogenous leukemia.

Satik Martinsen, Management Assistant, Code 36402 -- is diagnosed as having nodular sclerosing

Hodgkin's Disease and is currently undergoing treatment.

Jay W. Hill, Code 6421, Electronic Technician - is being treated for pneumonia and valley fever and is indebted for leave.

## Fill Your Easter Basket with Savings

### WOMEN

Selected Missy blouses. Choose from casual and career styles. Reg. \$18.-44. Sale 33% off.

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Selected Spring sweaters. Sale 33% off.\*

Selected Spring dresses. Sale 33% off.

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Entire stock of regular price Lorraine sleepwear. Sale 33% off.\*

Entire stock of regular price WOW by Playtex Limited and Super Look control briefs. Sale 25% off.\*

Selected purse accessories by Prince Gardner. Sale 40% off.

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## Co-workers require extra leave due to medical emergencies

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 call NWC ext. 2018.

**Jo Ann Van Valkenburgh, Purchasing Agent, Code 258** -- is undergoing major surgery and is in need of leave.

**Paula Sue Giles, Engineering Documentation Technician, Code 2637** -- underwent major surgery and is indebted for leave.

**Judith Talbot, Secretary, Code 001** -- is undergoing follow up treatment from a surgery per-

formed in September and is in need of leave.

**Maryann Hiser, Engineering Data Management Specialist, Code 36542** -- will be undergoing major surgery and is in need of leave.

**Betty Cirotski, Procurement Assistant, Code 31B1** -- is undergoing treatment for an acute staph infection in her surgically replaced hip. She will be unable to work for three months.

**George J. Wiederhold, Electronics Technician, Code 6236** -- has been hospitalized for two months due to severe depression.

**Sandy Joyal, Procurement Assistant, Code 257** -- broke her elbow in four places and will be unable to return to work for a while.

**Barbara J. Bennett, Secretary, Code 308** -- had arthroplasty and needs to be off work for three months. She is indebted for leave.

**Leo Montano, Visual Information Specialist, Code 3441** -- is undergoing further cancer treatment and is in need of leave.

**DeWayne Davis, Engineering Technician, Code 3665** -- underwent surgery and is in need of leave.

**Linda Lou Crosby, Television Production Specialist** -- had knee surgery and is undergoing physical therapy.

**Anita L. Rohloff, Clerk, Code 3193**, is suffering from multiple sclerosis and bilateral

optic neuritis. She will be unable to work until June.

**Karen Linard, Industrial Engineer, Code 3291** -- underwent major intestinal surgery and is in need of leave.

(Continued on Page 25)

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## Exception services brings special honors

(Continued from Page 1)

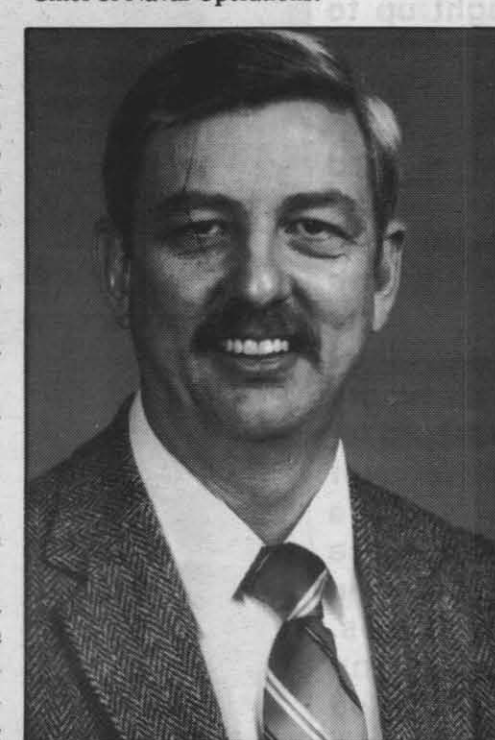
management practices to increase managerial accountability and energetically supported conservation efforts, including protection of certain endangered species that inhabit the ranges.

A 1986 winner of the prized L.T. E. Thompson Award, Russell has been at China Lake since coming here as a junior professional with a degree in physics and mathematics from the University of Idaho in 1956. Among the early projects he was associated with were Shrike and Sidewinder.

Nominees for Presidential Rank Awards are judged on their career achievements; previous awards and honors; agency cost reduction or cost avoidance achievements; successful use of human resources and successful affirmative action efforts; personal initiative and innovation; and cooperative efforts with other federal agencies, governmental jurisdictions and the private sector.

Phil Arnold is recognized throughout the Navy and the Department of Defense as an exceptionally effective and innovative leader of analysis and wargaming programs. He established a strategic planning office which has contributed to Space and

Naval Warfare Systems Command Headquarters's long-range planning ventures as well as NWC's. He was a major contributor in developing a master plan for air strike warfare and anti-air warfare for the Chief of Naval Operations.



Phil Arnold

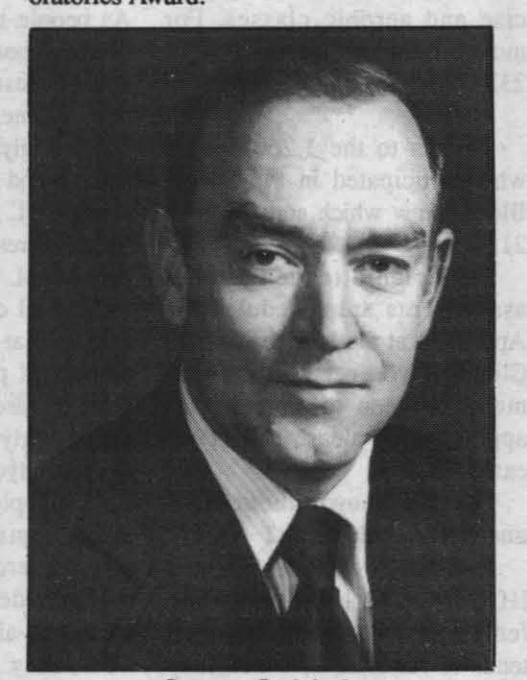
One of Arnold's major achievements was his contribution in combining the methodologies of classical weapon system analysis and wargaming in a format adapted to determine weapons requirements. He built up a computer-based wargaming facility specifically tailored to meet these needs.

The nomination also cited his key role in the on-going Warfare Systems Architecture and Engineering (WSA&E) venture being carried out under SPAWAR sponsorship. The purpose of WSA&E is to design integrated naval force systems - to ensure the compatibility of weapons, weapon platforms and total force concepts.

A China Laker since 1955, Arnold took over the Weapons Planning Group in 1982. He is a graduate of Oklahoma A&M (now Oklahoma State University). In 1987, Arnold won NWC's L.T.E. Thompson Award for outstanding technical leadership and management of the Center's long range planning process.

Schiefer is a nationally and internationally recognized expert in electronic warfare, defense suppression and threat identification. He led the team that supported deployment of the first anti-radiation missile. Shrike, in 1965. He also directed the

in-house design of two unique weapon systems, Skipper and Sidearm, now in fleet service. Previous awards for Schiefer include the Presidential Meritorious Executive Rand Award in 1987, the Navy Superior Civilian Service Award, the L.T.E. Thompson Award and the Michelson Laboratories Award.



Gerry Schiefer

## R&D conference ready at China Lake

From April 2-4, the second R&D Information Exchange Conference will take place at the Naval Weapons Center. The purpose of the conference is to foster interlaboratory technical exchange.

Conference sessions include materials-composites, materials-electronics and optics, optics and electromagnetic phenomena, energetic material-propulsion/warheads, electro-optic/RF sensors, signal/image processing, aerodynamics/hydrody-

namics and human performance. Four special sessions will cover electrochemistry, wavelets, environmental and computer aided molecular design.

All SPAWAR laboratories, as well as several other labs, will be represented.

Anyone who wants a copy of the agenda or a registration form, call Doris or Jo at NWC ext. 3523.

Registration is required and must be made by March 27.

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## Wellness Corner



Due to overhead budget cuts, the Wellness Program's aerobic classes will no longer be offered as of April 1. NWC's Morale, Welfare & Recreation Division, however, does offer both jazzercise and aerobic classes. For more information, call NWC ext. 2334.

\*\*\*\*  
Thanks to the 1,260 people who participated in the Spring Blood Draw which ended March 21.

Physician-attended fitness assessments are scheduled for April 9-11 at the Branch Medical Clinic. If you need an appointment, or need to cancel your appointment, please call NWC ext. 2468.

**What is known about HDL and triglyceride levels?**

As a rule, women have higher HDL levels than men. The female sex hormone estrogen tends to raise HDL, which may help to explain why premenopausal women are usually protected from developing heart

disease. Estrogen production is highest during the childbearing years.

Triglyceride levels normally range from about 50 to 250 mg/dl, depending on age and sex. As people tend to get older (or fatter or both), their triglyceride and cholesterol levels tend to rise. Women also tend to have higher triglyceride levels. An elevated blood triglyceride level and lower HDL is often accompanied by an increase in LDL and total cholesterol.

Several clinical studies have shown that an unusually large number of people with coronary heart disease also have high levels of triglycerides in the blood (hypertriglyceridemia). However, some people with this problem seem remarkably free from atherosclerosis. Thus elevated triglycerides, which are often measured along with HDL and LDL, may not directly cause atherosclerosis but may accompany other abnormalities that speed its development.

**Sick youth seeks his place in the Guinness Book of Records**

Craig Shergold, a terminally ill seven year old in England, is attempting to get in the Guinness Book of Records for collecting the most business cards by one person.

Anyone interested in helping Craig can send a business card to *Master Craig Shergold, 36 Shelby Road, Carshalton, Surrey SN1LD, England.*

Or, to save postage, Frank Monastero, head of the Geothermal Program Office, will be a

collection point.

Area residents interested in helping reach this goal can send

their business cards to Monastero via guard mail to NWC Code 2606.

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**SNOW FUN--**Alan Burkholder and Lori Seaman were among the youngsters taking advantage of the rare spring snowstorm Wednesday morning. The unexpected snowfall brought up to six inches of the fluffy, cold white stuff to parts of the Indian Wells Valley. More snow was recorded to the north and south of China Lake, with both Mojave and Mammoth reporting a foot or more of snow. This last winter storm helped Mammoth Mountain set a record for the most snow ever recorded during the month of March since record keeping began in the area in the 1950s. Despite the snow, no serious weather-related problems were reported.

Photo by PH3 Cary Brady



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## Instructor sought to teach Northridge class at NWC

California State University, Northridge (CSUN) is looking for an instructor to teach EE566N: Fiber-Optic Communications as part of its external degree program on-Center during the fall semester. Those interested in teaching the course should have at least a master's degree with five years of teaching or industrial experience.

Anyone interested in teaching for CSUN at the Naval Weapons Center should call Cecil Webb, NWC ext. 2648, to obtain information on forwarding a resume to CSUN.

## Professor Pettit visits Center

Professor Pettit of Cal-State, Northridge (CSUN) will be on Center April 10 to advise current and prospective students in the master's degree program offered by the school in electrical engineering.

Those wanting an appointment to see Professor Pettit should call Helen at NWC ext. 2648.

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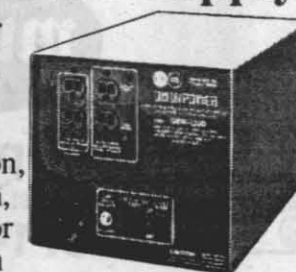
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## Employees needed for reassignments

(Continued from Page 22)

for existing systems. Applicants should possess knowledge of and experience in software development for radar related realtime applications. The knowledge of radar digital signal processing and display techniques is desirable, but not required. Applicants must be able to obtain and maintain a Top Secret clearance.

**\*\*Any applicant tentatively selected for this**

position will be required to submit to urinalysis for illegal use of drugs prior to a final selection. See "NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS" in Promotional Opportunities" box above. Promotion potential to DP-3, but not guaranteed.

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# Personnel News

## Promotional opportunities

Applications for positions listed below are being accepted from Department of Navy employees currently working at NWC and from eligible employees of attached activities who are permanently assigned to NWC. This group includes employees with career or career conditional appointments; employees with permanent Veterans Readjustment Act (VRA) appointments; temporary employees with reinstatement eligibility; and handicapped employees with Sch. (A) continuing appointments. Also included are spouses, with competitive status, of civilian sponsors hired by a DOD activity within NWC's commuting area. Applications from other groups will be accepted when specified in an advertisement. Vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements, including minimum qualifications requirements, by the closing date of the advertisement. Evaluation of applicant's qualifications will involve using at least two assessment measures. Assessment measures are work experience, annual performance assessment rating and narrative, education, training, performance assessment and awards.

Eligible spouses (of military sponsors) with competitive employment status may apply for employment preference. Those enrolled in this program will automatically receive consideration for employment on vacancies for which they applied. For initial employment information, career counseling and enrollment, call 939-3317 for an appointment.

**HOW TO APPLY:** Submit the following: a current application, SF-171 or other Human Resources Department pre-approved form; a copy of your most recent annual performance assessment narrative (note: a copy of your performance plan should be attached if the annual performance narrative description does not clearly state the tasks/duties performed); and a completed Background Survey Questionnaire. A supplemental narrative which relates your qualifications to each knowledge, skill or ability (KSAs) as cited in the advertisement is always desirable and may be required if stated in the vacancy announcement. Write the title, series, level (grade), and announcement number on all application materials. Not submitting the annual performance narrative may adversely affect your evaluation scores. Prior to submitting your application, complete Cover Sheet Form 12335/2, available at the reception desk. **Make sure your address, phone number, etc. are current, correct and that all forms are complete and accurate.** If information is missing, your qualifications may not be fully and completely rated. Additional information cannot be submitted after the closing date of the announcement. A current date and a signature on the last page completes the application. Civilian Spousal Program Eligibles with competitive employment status must submit a copy of their sponsor's PCS orders with each application in order to be considered for Merit Promotion vacancies which do not state that status eligibles may apply.

Application materials are accepted, and blank forms are available, at the Reception Desk, Room 100, Human Resources Department, 505 Blandy. Announcements close at 4:30 p.m. on Thursday, one week after the opening date of the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. Copies of Applications may be submitted since applications are kept in an announcement file and cannot be returned or filed in personnel folders. The Naval Weapons Center is an **Equal Opportunity Employer**; selections are made without discrimination for any non-merit reason.

## Notice Regarding Drug Testing Designated Positions

Any applicant tentatively selected for one of these positions will be required to submit to urinalysis to detect illegal use of drugs prior to a final selection. Final selection is contingent upon a negative drug test result, and thereafter the selectee will be subject to drug testing on a random basis as the incumbent of a Testing Designated Position (TDP). Further, all Department of the Navy employees may be subject to drug testing under certain circumstances such as reasonable suspicion and after an accident. All individuals will have an opportunity to submit medical documentation that may support the legitimate use of a specific drug to a Medical Review Officer. An applicant's test results will be provided to the selecting official and servicing Civilian Personnel Office before a final selection is made. A verified positive drug test of a current Department of the Navy employee will also be provided to the employing activity/command. (NAVWPNCENINST 12792.2, 14 Dec 90).

**No. 39-003, Physicist, DP-1310-3, Code 3943** - This position is located in the Advanced Signal Processing Branch, Electro-Optics Guidance Division, Intercept Weapons Department. The incumbent is responsible for and leads IR seeker and missile systems modeling and analysis to support the development of the Advanced Short Range Air-to-Air Missile. The position requires interface and coordination not only across organizational lines but also with associates in other branches of the service. **Job relevant criteria:** Knowledge of the modeling and analysis of IR anti-air weapons systems; knowledge of background/clutter, target, atmospheric, missile, and seeker modeling; ability to lead and coordinate analysis efforts across organizational lines; ability to communicate both orally and in writing.

**No. 64-024, Electronics Technician, DT-856-3, Code 6431** - This position is located in the Radar Development Branch, Radar and Threat Technology

Division of the Aerosystems Department. Incumbent will perform as the Navy Simulator Validation Coordinator and must have knowledge of Navy electronic warfare systems and test requirements. Duties would include gathering electronic warfare test requirements and threat assessment data, conducting analysis, determining threat simulator critical parameters, and ensuring the validation database is maintained. Incumbent will act on behalf of the Naval Air Systems Command Simulator Development Project engineer at Tri-Service validation coordination meetings and report results. Travel to conferences and reviews is required. **Job Relevant Criteria:** Knowledge of radar and radar systems; knowledge of application, design, and maintenance of RF threat simulation; knowledge of T & E of weapons systems; ability to communicate orally; ability to communicate in writing. Must be able to obtain and maintain a secret clearance. **Promotion potential to DP-3, but not guaranteed.**

## 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 applications 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. 64-020, Interdisciplinary (Electronics Engineer/Mathematician/Computer Scientist), DP-855/1520/1550-2/3, Code 6436** - Multiple vacancies. These positions are in the Threat Simulator Systems Branch. Incumbent provides software engineering in support of threat simulator integration projects for the AEWTR and TARIF programs. The incumbent will be required to develop software engineering expertise in the complex aircrew training environment. This person will lead and participate in in-house and contractor efforts to integrate new threat simulations and develop upgrades for the TACTS computer systems and software applications. Applicants should possess knowledge of and experience in software development for realtime applications. Must be able to obtain and maintain a secret clearance. **The full performance level of this position is DP-3.** To apply, submit a current SF-171 to Ken Bailey, Code 6436, NWC ext. 2951.

**No. 64-021, Interdisciplinary (Electronics/Electrical/Aerospace Engineer/Physicist), DP-855/850/861/1310-2/3, Code 6431** - This position is located in the Radar Development Branch of the Radar and Threat Technology Division. Incumbent provides technical engineering support to various threat simulator development projects. Applicants with knowledge of principles of radar system design, control theory, signal processing, basic digital, and RF receiver design are desired. Must be able to obtain and maintain a Top Secret clearance. **\*\*Any applicant tentatively selected for this position will be required to submit to urinalysis for illegal use of drugs prior to a final selection.** See "NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS" in Promotional Opportunities" box above. Promotion potential to DP-3, but not guaranteed. To apply, submit a current SF-171 to Ron Gotzler, Code 6431, NWC Ext. 2026.

**No. 64-022, Interdisciplinary (Electronics Engineer, Physicist), DP-855/1310-2/3, Code 6431** - This position is located in the Radar Development Branch, Radar and Threat Technology Division of the Aerosystems Department. Incumbent will perform as the Navy Simulator Validation Coordinator. This would include gathering electronic warfare test requirements and threat assessment data, conducting analysis, determining threat simulator critical parameters, and ensuring the validation database is maintained. Incumbent will act on behalf of the Naval Air Systems Command Simulator Development Project engineer at Tri-Service validation coordination meetings and report results. Travel to conferences and reviews is required. Applicants must possess the knowledge of Navy electronic warfare systems and test requirements, threat weapon systems, and radar technical and performance capabilities. Incumbent must be able to communicate effectively both orally and in writing. Must be able to obtain and maintain a secret clearance. **Promotion potential to DP-3, but not guaranteed.** To apply, submit a current SF-171 to Ron Gotzler, Code 6431, NWC ext. 2878, 2652, 3812.

**No. 64-023, Interdisciplinary (Electronics Engineer/Mathematician/Computer Scientist), DP-855/1520/1550-2/3, Code 6431** - This position is in the Radar Development Branch, Radar and Threat Technology Division of the Aerosystems Department. The incumbent provides software engineering in support of threat simulator development projects. This person will lead and participate in in-house and contractor efforts to develop new threat simulators and develop upgrades (Continued on Page 23)

## A job well done earns special recognition in Public Works

Satisfaction for a job well done is nice, but being recognized by your supervisors for doing that little bit extra, an innovative idea or just caring about your work is more gratifying. At least that is what several employees of the Public Works Department have decided, and to implement that recognition, the department has initiated an Employee Appreciation Program.

Not only will employees be recognized as employee and craftsman of the month for overall exceptional work, specific accomplishments will also be recognized. "This is a way we can reward our people for creative suggestions, implementing new safety procedures, clean work places, or anything that lends itself to a more positive work environment," said Randy Kirkendoll, head, Administrative Division.

While only first line supervisors can nominate employees for recognition, any employee can nominate any supervisor for the awards. Nominees will then be screened and selected by the Employee Appreciation Board. Members of the board include Kirkendoll, Mona Alkhafi, Ron Gilcrest, Sharon Smith, Ken Newton, James Quarders, Charles Roach, Neil Higgins and Syble Cope.

Individuals selected for an award will be reward-

ed by a coupon system. Employees can cash in the coupons at the PW Customer Relations Office for a variety of prizes emblazoned with the Public Works logo. Examples of prizes include sports bags, glass mugs, stop watches, steins, coffee mugs and so forth. Employee and Craftsman of the Month will also receive a PW pin. The Employee of the Month will also have the only designated parking place, other than visitor and handicapped parking, at the Public Works compound.

Neil Higgins, a PW architect, was the first recipient of PW's new Employee Appreciation Award. Higgins suggested and designed the PW pin. The pin, almost square in shape, is comprised of a futuristic PW in blue on a gold background. In the future, only the employee and craftsman of the month will receive the pin. "So," said Cdr. James R. Williams, Public Works officer, "if you see someone wearing the distinctive PW pin, congratulate them heartily for they are very special people."

"The program is part of our ongoing efforts for total quality management," Kirkendoll explained. "We want all our employees to know that their ideas and efforts are appreciated. The Employee Appreciation Award Program is our way of showing our appreciation."



**IDEAS APPRECIATED** - The Public Works Officer, Cdr. James Williams, hands Neil Higgins the first PW pin as part of the new Employee Appreciation Award Program. Higgins received the award for his suggestion and design of the PW pin. In the future, only PW employees and craftsmen of the month will receive the pin. Photo by PH3 Cary Brady

## Center Library has some income tax forms

A variety of materials has been furnished to the Center Library by the Internal Revenue Service to help taxpayers prepare their federal income tax forms. Also available is the IRS publication 1132, which contains more than 90 reproducible tax forms that can easily be photocopied.

Further information is available at the IRS office in Bakersfield.

## AMERICAN LEGION

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### Dinner & Dance March 29

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## CTS changes bring new long distance calling system here

The quality long distance phone service that allows you to hear a pin drop is coming to NWC! As part of the government-wide GSA contract for long distance service, we are being required to use the FTS2000 network for all commercial and intra-government long distance calls within the United States, Guam, and the Virgin Islands. FTS2000 is partially being provided by AT&T and partially by U. S. SPRINT. Our access will be through U. S. SPRINT. FTS2000 will replace AT&T as our long distance carrier for calls within the US/Guam/Virgin Islands. However, all other overseas calls will be handled as they are now.

Coordination between the CTS and FTS2000 will eliminate the need for credit cards (special billing numbers) for long distance calls within the U. S. that originate on-Center. In addition, FTS2000 should provide a more economical method of making all long distance calls inside the U. S. FTS2000 will provide access to all 10-digit commercial numbers except 800 numbers, as well as provide access to all government agencies through a seven-digit destination number similar to Autovon. This will provide a cost-saving calling method with the same quality service. Autovon, however, will still be the least expensive method of calling as it will remain free of charge.

To eliminate the need for multiple changes to the existing telephone system, the Telephone Services Branch (Code 2714) has received a waiver that we not be required to change to the new long distance system until we are ready to implement the CTS. FTS2000 will become effective at the same time CTS becomes fully operational.

If you have any questions on this or any other CTS topic, please call Nancy Guglielmo, Code 2712, NWC ext. 1157.

## Gulf campaign medal

Washington (NNS) -- President Bush signed an executive order March 13 establishing a Southwest Asia Service Medal for members of the U.S. Armed Forces who served in-theater during operations Desert Shield and Desert Storm.

The award, designed by the Institute of Heraldry, is in recognition of the special sacrifices and outstanding performance of U.S.

military personnel who deployed to Southwest Asia after Aug. 2, 1990. Specific eligibility requirements and implementing instructions will be published by the secretaries of the military departments in the near future.

The medal's reverse depicts an upraised sword entwined with a palm frond symbolizing military might and preparedness in defense of peace.

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**ANOTHER HITCH--Blue Angel #1, Cdr. Greg Wooldridge was the re-enlisting officer last week when MS2 Jonathan Roweclyff and AD2 Scott Cooley shipped over for another enlistment in the Navy. Both sailors are members of the Naval Weapons Center Auxiliary Security Force and assisted with security during the air show last Saturday. Photo by PH3 Cary Brady**

## Storm spawns a rare tornado

Within 15 minutes of first being sighted, reports of a tornado in the Indian Wells Valley were being broadcasted by radio and the National Weather Service. While on observation duty, Airman Marco Baca, an aerographer's mate with the Navy Oceanography Command Detachment at the Naval Weapons Center, spotted the tornado two miles north of Armitage Airfield, moving in a northeasterly direction. The spotting was confirmed by Chief Randy Landis, the chief petty officer in charge of the detachment.

The "overgrown dust devil" was spotted at 2:07 p.m. and immediately reported to Carswell Air Force Base in Texas. It dissipated at 2:10 p.m. "All weather observations are reported to Carswell Air Force Base, the Department of Defense's weather collection activity," noted Chief Landis. "By 2:25

we had reports filtering in that local radio stations and the National Weather Service were reporting the sighting."

A Tornado Watch was never issued, the chief petty officer explained, because by the time the tornado was spotted, the squall line had already passed the area. "A watch wasn't issued before the tornado because what we were having wasn't typical tornado weather," he said. "It wasn't even a typical tornado - not like the one you see in the *Wizard of Oz*. It was more of an overgrown dust devil, dropping from the base of the cloud. But because it did form from the cloud, we had to classify it as a tornado."

So there's no need to click your heels three times and wish for normal California sunny skies, the tornado was only a fluke.

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or call the Inspector General at:  
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## Hall Lanes offers variety of fun bowling activities



### Blue Chip Stamp Bowling

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### No Tap Bowling

Friday night and Hall Memorial Lanes are a great combination for end of the week relaxation. No Tap Bowling, where nine pins are the same as a strike, begins at 6:30 p.m.

### Military Members Supported

During open bowl, 11 a.m. to 10 p.m., Monday through Friday, active duty military, retired military, and their dependents, can bowl for only 50 cents per game.

While having fun bowling, don't forget the Hall Memorial Lanes Snack Bar, home of the famous China Lake Nachos, is open to satisfy your thirst and hunger. The snack bar also offers a variety of sandwiches, snacks and drinks.

For more information about what Hall Memorial Lanes offers, call Bill Booth, manager, at NWC ext. 3471.

## Softball tourneys planned

Hitter's/Subway 4th Annual Men's "C/D" and "D/Rec" Slowpitch Softball Tournaments will be held in Ridgecrest/China Lake on April 20-21. These two separate tournaments are open to all "C/D/Rec" men's teams with each team being guaranteed four games.

Each tournament will be split into multiple divisions with each division playing a round-robin format. The top teams in each division will play a championship round which will determine the Tournament Champion.

Prizes will be given in all divisions. Selected games will be taped and the videos shown that same day.

The entry fee is \$180, with the entry deadline being April 13. The fee includes team tickets for an evening meal catered by Subway Sandwiches.

For more information, call Del Kellogg at 446-3152, Hitter's Restaurant at 375-2901, or Subway Sandwiches at 446-2448.

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## Turkey hunters should prepare for upcoming hunting season

California's wild turkey hunting season opens March 30 and the Department of Fish and Game said the recent rains will only benefit flocks of gobblers and hens hard-pressed for surface water sources.

The 37-day spring season runs from March 30 through May 5 for the entire state, with the exception of San Diego County where no turkey hunting is allowed. Hunters may take one bearded turkey a

day, but no more than two birds per season.

The turkey's beard must be visible through the breast feathers. Shooting time starts one-half hour before sunrise and ends at 1 p.m. each day of the season.

Foothills are prime turkey habitat in California. Between 500 and 3,000 feet above sea level, flocks roam areas where oak trees mingle with grasslands, digger and ponderosa pines and other hardwoods. Dense, expansive brushlands without mature forests nearby seldom attract the birds.

Suitable turkey habitat always has a source of water as the birds drink daily and forage along the banks of waterways. Turkey tracks and signs may be discovered around springs, stock ponds or streams. A secluded seep in a small meadow sur-

rounded by oak, madrone, toyon and pine in the foothills is an ideal location in which to hunt turkeys.

Some of California's largest wild turkey populations occur along the foothills of Butte, Calaveras, El Dorado, Mendocino, Nevada, San Luis Obispo, Shasta, Tehama and Yuba counties.

The Department of Fish and Game recommends hunters use fully choked 10 or 12-gauge shotguns.

Magnum #6 shot performs better than smaller shot and hunters should aim for head shots at 40 yards or under. Archery equipment also may be used. Typical deer bowhunting gear will serve archers well.

Wild turkeys possess keen eyesight, detecting fidgety

hunters easily. At the distances over which turkeys are shot, many avid hunters rely on camouflage clothing to blend in with their surroundings. Sitting against the trunk of a tree can further break up a hunter's outline.

Remember, written permission to access private property must be gained by hunters before entering. Above all, be careful. Remember hunter safety and review hunting rules before going out.

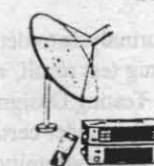
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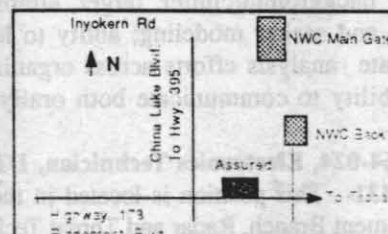
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## Safety sense: Bottled gases require special, careful handing and storage

Compressed gases have certain hazards associated with them. No particular gas possesses all of the hazards listed, but many have more than one. Hazards associated with compressed gases are:

- They are under pressure;
- They may be flammable;
- They may be unstable;
- They may be toxic;
- They may be corrosive;
- They may be oxidizing agents;
- They may be asphyxiants;
- They may be cryogenics;
- They may be subject to Boiling Liquid, Expanding Vapor Explosion (BLEVE) (Liquids Only).

General safety tips for storing and using compressed gas cylinders include:

- Always consider cylinders as full and handle with care.
- Always properly identify and label the cylinders with the type of gas contained within and the associated hazard.
- Keep gas cylinders away from heat; never subject any part of the cylinder to temperatures greater than 125 degrees F.
- When using a compressed gas, keep the gas out of your breathing air zone.
- Don't drop cylinders or permit them to strike each other violently.
- Always store acetylene cylinders in an upright position.

• Always segregate flammable gases such as acetylene, hydrogen, liquefied propane and MAPP gas at least 20 feet from cylinders which contain oxygen or other oxidizers.

• Never use compressed gas without first attaching a cylinder valve.

National Fire Protection Association (NFPA) 51, Section 2.2.1 and NFPA 58, Sec. 3.3.2.6(e) specify that flammable gases are not to be stored with other flammable materials -- i.e., liquids. Therefore, it is unacceptable to store cylinders of gas such as propane and MAPP gas in flammable chemical lockers with other flammable liquids.

Because these gases ignite easily, they should not be stored under conditions that will expose them to extreme environmental temperatures. Current guideline states flammable gases must be stored at least 20 feet from flammable liquids and solids.

According to a representative of the Naval Safety Center in Norfolk, Va., flammable gases should be stored indoors or in a shaded area outdoors in an upright position and secured to a support wall with noncombustible chain. For horizontal storage, these cylinders can be placed on a pallet (cut to the appropriate size) and secured with noncombustible chains.

By the Safety Program Office

### Naval Weapons Center people must attend Safety Standdown

All Naval Weapons Center employees need to start arranging their calendars so they can participate in at least four hours of Safety Standdown '91 activities on May 6 and 7. This annual event is given once a year to remind employees the importance safety plays in every aspect of their jobs and lives. Many mishaps can be prevented if people would objectively review their workplaces, identify unsafe or unhealthful conditions or acts and work to correct and protect.

Many seminars, sponsored by the Safety Program Office, will be presented during this mandatory event. Some will be of a general nature, while others are designed for more specific populations. Specific topics, times and locations will be announced at a later date.

Each employee's participation in Safety Standdown activities is a critical element in the constant improvement of the safety and health posture of NWC. Plan on participating in this valuable event.

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### Annual security training set in April

Annual security refresher training is **mandatory** for all personnel who have a security clearance.

On April 3, 4, 10 and 24, the Security Education Office will be

offering one-hour refresher training briefs at 10 a.m. and 3 p.m. at the Center Theatre. Personnel who have a security clearance are required to take one of these courses.

Make-up courses will be offered on May 6 and 7 at 10:30 a.m. and 3 p.m., also at the Center Theatre.

For more information, call Lyn Wilson at NWC ext. 2661.

### 'Women in Science' discuss technical issues

Everyone is welcome to the China Lake Women in Science and Engineering luncheon, Wednesday, April 17, 11:30 a.m. to 1 p.m. at the Carriage Inn.

Diane Thompson, fight test and evaluation manager in the Naval Weapons Center in the Cruise Missile Program Office will give a technical presentation about *Test and Evaluation With The Tomahawk Missile*. Michele Bailey, deputy AIM-9R sys-

tems engineer, will facilitate a discussion on *Getting Into Positions of Responsibility*.

Please **RSVP by April 11, 4 p.m.** Mail non-refundable check (with driver's license number and date of birth on check) to Barbara Vaughn (Code 3135) or Alice Campbell (Code 315A) for \$5.50 payable to the "Carriage Inn." For more information, call NWC ext. 4770 or 3583.

## IF YOU'RE GOING TO THE PENTAGON IT'S NO SECRET WHERE TO STAY.

The Holiday Inn Crowne Plaza is vital information for anyone planning TDY, a business meeting, or just for fun trip, in Washington, D.C.

Just 5 minutes from The Pentagon, NAVAIR, and NAVSEA, the 635-room Crowne Plaza is not only convenient for business, but also an excellent base of operations for a weekend stay in the nation's capital.

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# Washington Scene

## Defense Finance and Accounting Service opens

WASHINGTON (AFIS)--Sometimes you have to spend money to save money, and that's what the Department of Defense (DoD) hoped to do when the Defense Finance and Accounting Service began operations Jan. 15.

**"We will save money when more than 50,000 pages of finance and accounting regulations, directives, manuals and instruction are consolidated into a single DoD accounting manual."**

Albert Conte, director of the new agency, said DoD may have to spend about \$100 million in start-up funds, but eventually should save about \$150 million annually. Combining the military services' finance center and standardizing fiscal procedures will eliminate duplication and should significantly reduce the cost of operations, he said.

"For example," he continued, "we will save money when more than 50,000 pages of finance and accounting regulations, directives, manuals and instruction are consolidated into a single DoD accounting manual."

A DoD study group looked at the possibility of combining service finance operations as part of the Defense Department's commitment to improve the way it does business, Conte explained. A five-month study looked at how the various components worked, anticipated what the future might hold and considered the pros and cons of a combined finance service under the DoD Comptroller's office. Conte's agency came to life when Deputy Secretary of Defense Donald Atwood approved the concept on July 3, 1990.

Under the previous system, the military services and several independent DoD agencies operated their own finance centers. Each of the six centers had its own policies, procedures and systems for doing business, including handling military and civilian pay, transportation, payments and defense contractor payments.

With the establishment of the Defense Finance and Accounting Service, a small headquarters staff in the Washington, D.C., area oversees the operation of the six field centers. The centers employ about 8,000 workers and

are in Columbus and Cleveland, Ohio; Denver; Indianapolis; Kansas City, Mo.; and Washington, D.C.

**New service's major goal is to develop, deploy and maintain DoD-wide standard finance and accounting payroll systems.**

Conte said the centers will initially continue to perform their main functions of military and civilian pay, travel and transportation payments, and handle other payments and reporting procedures to the U.S. Treasury Department and the Office of Management and Budget. Policies and procedures, however, are now the responsibility of the Defense Finance and Accounting Service.

According to Conte, whose agency's operation budget for fiscal 1992 is approximately \$600 million, the new service's major goal is to develop deploy and maintain DoD-wide standard finance and accounting payroll systems. He said the new service will use attrition and retaining wherever possible to make personnel reductions.

# Sports

## MWR offers karate and kung-fu classes at NWC

Starting April 3, the Morale, Welfare & Recreation Division will be sponsoring karate and kung-fu classes at the Gym Annex. Students must be 12 years of age or older to register, unless prior permission is received from the instructor.

Beginning classes will be held Tuesday and Thursday evenings from 7:30-8:45 p.m., with intermediate classes scheduled for Wednesday and Friday evenings from 7:30-8:45 p.m. Students in the advanced classes will meet on Tuesday and Thursday evenings from 8:45 to 10 p.m. Those qualified to be instructors will meet on Wednesday and Friday evenings from 8:45 to 10 p.m. and on Saturday from 11 a.m. to 3 p.m. Private lessons will also be scheduled on Saturdays from 11 a.m. to 3 p.m.

Cost for one month is \$30 for military, \$35 for DoD and \$40 for all others. For three months, cost is \$75 for military, \$90 for DoD and \$110 for all others. For six months, cost is \$150 for military, \$175 for DoD and \$200 for all others. Private lessons are \$8 for military, \$10 for DoD and \$15 for all others, per session. Testing costs are \$18 for military, \$22 for DoD and \$25 for all others.

For more information, call the NWC Gym at NWC ext. 2334.

## Catch \$10,000 at fishing derby

*Lake Isabella stocked with more than \$60,000 in prizes*

Anglers can hook more than \$60,000 in cash prizes -- plus trophy-size trout -- during the Second Annual Community First Bank-Isabella Lake Fishing Derby scheduled for April 20-21.

Nine hundred ninety-nine tagged trout, with an aggregate value of \$61,000 will be released into Lake Isabella for the derby. The top cash award is a trout worth \$10,000, others include one \$1,000 fish, two at \$500, 371 at \$100 each and 625 at \$20 each.

Licensed fishermen can register for this event until 7 a.m., Saturday, April 20. All tagged trout will be in the one and a half pound range, but for good measure, some "lunkers" (trout weighing in at 15-18 pounds) will be released before the derby starts.

Tagged trout not caught during the derby weekend will be awarded to registered fishermen until June 16, although the top trout will carry a value of \$1,000, not \$10,000, during this period. Tags from other trout can be redeemed for prizes at participating Kern River Valley merchants.

Lake Isabella is approximately an hour from Ridgecrest. The lake is famous for fishing, where ten pound bass are commonplace, and crappie, bluegill and native trout thrive.

For Fishing Derby registration information, call Community First Bank in Lake Isabella (619) 379-2691, or write P.O. Box 996, Lake Isabella, CA 93240.

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# MWR

## Universal Studios extends appreciation to military by offering free admission

To honor the men and women in the military for a job well done, Universal Studios is offering this thanks you. Effective immediately, **all active duty, retired and reservists will be admitted FREE to Universal Studios with proper identification.**

The price for dependents of active duty, retired and reservists, along with all DoD personnel, will be lowered to \$16 for adults and \$12 for children.

Anyone wanting a discount ticket should call the Craftech Center at NWC ext. 3252.

## Hawaiian special offered

Tired of the cold, rain and/or wind? Sato Travel and Sky West Airlines currently have a Hawaiian flight special. Fly from Inyokern to Honolulu for only \$298 round trip.



Tickets must be purchased prior to April 8, and the last day to travel is May 19.

For further information, phone 446-7551/2. Happy traveling!

## Save \$\$ at Magic Mountain

Tickets are now available to all military and civilian personnel, families and friends to enjoy *Military Fun Days at Magic Mountain*. Tickets must be purchased in advance and are good for April 6 THRU 14, 20, 21, 27, 28 and May 4, 5, 11, 12, 18, 19, 24 thru 27.

Amaze and impress your friends and be the first to ride the brand-new terrifying Psychone at Magic Mountain! This classic wooden roller coaster is opening this month to thrill and terrify riders.

Save nearly 50% when you purchase a special price ticket for only \$12.45 (regularly \$23.95). Children age 2 and under are *free!*

Also enjoy the special offer *TWICKET*, a second day bonus visit. Details available at the park, which opens at 10 a.m.

For tickets, contact Craftech at NWC ext. 939-3252.

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## Accolades wanted for those providing child care at NWC

Choosing the right day care provider is an arduous chore. Dependability is important but so is the capacity to give another person's children the love and guidance a parent might give them. Does your day care provider spend time with your child? Perhaps helping them learn to count, read or write? Does she, or he, care about your child's physical well being? What about emotional well being?

April is the Month of the Young Child. What better way can we support our children than by honoring the people who care for them? In recognition of the importance of their work, members of NWC's Family Home Care Program would like parents who have children being cared for on-Center to write to Janet Butler, NWC's Family Home Care coordinator, extolling the virtues of their provider(s). Remember, this is only for providers on-Center. Excerpts of letters received will be

printed in a future *Rocketeer*. Names of the sender and provider will be published. Letters should be sent to Janet Butler, Morale, Welfare & Recreation Division (Code 229), Naval Weapons Center, China Lake, CA 93555. **Letters should be received no later than April 5.**

NWC's Family Home Care Program, an extension of the Child Development Center, sets standards for home caregivers and provides safety inspections by the family home care coordinator, fire inspector, housing office and preventive medicine health officer to guarantee the safety of the home. In addition, the program assists individuals in meeting Navy-mandated requirements for family home caregivers who reside on base and aids them in becoming certified caregivers. It can also aid people looking for child care.

For more information, call NWC ext. 6681.

## Movie schedule for April announced

Following is the afternoon matinee schedule for April. All shows start at 2 p.m. in the Station Theatre.

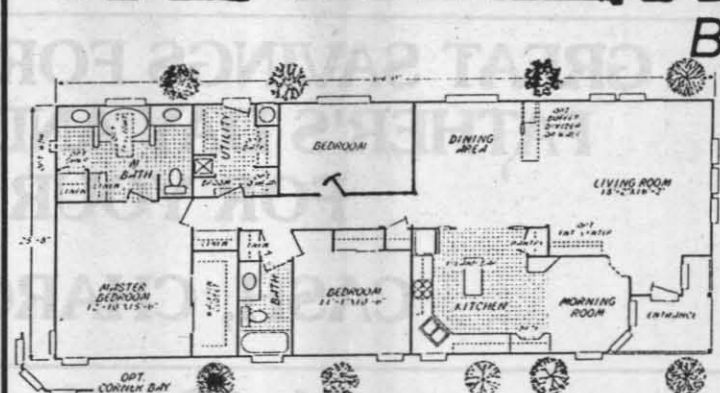
Cost is \$1 for children 7-12 years old and \$2 for those 13 and older. Children six and under are admitted for free.

April 2, Tuesday -- Ducktails-The Movie  
April 4, Thursday -- Peter Pan  
April 6, Saturday -- Bugs Bunny and the Roadrunner  
April 13, Saturday -- Oliver and Company  
April 20, Saturday -- Winnie the Pooh  
April 27, Saturday -- Fox and the Hound.  
For more information, call NWC ext. 2909.

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## JSTARS contributes to Desert Storm

WASHINGTON (AFIS)-- Credit for some of America's Desert Storm success goes to a major system pulled from testing and deployed to the Persian Gulf.

The Air Force doesn't generally deploy a major weapon system midway through its development, but Desert Storm commanders requested the two E-8A Joint Surveillance Target Attack Radar System planes because of their unique capabilities, according to an Air Force spokesperson. Called JSTARS, the system consists of a modified Boeing 707 equipped with a highly sensitive radar sensor and a ground station that receives data processed in the aircraft. The Air Force is responsible for the airborne segment and the Army for the ground station.

JSTARS enables commanders to track enemy troop and armor formations deep behind their lines, the official said. The round-the-clock, all-weather system sees both fixed and mobile targets and differentiates between wheeled and tracked vehicles.

Currently, forward air controllers and available tactical radar systems at the leading edge of the battle area can see little of what is advancing toward the "first echelon," the officer explained. Flying safely well behind friendly lines, patrolling JSTARS aircraft can identify and target anything from a single

enemy vehicle up to many thousands of enemy vehicle up to many thousands of vehicles at estimated distances of more than 150 miles.

The system also produces a photographic like image, or map, of selected regions on the ground, reflecting precise locations of targets such as bridges, harbors, airports, buildings or stopped vehicles or convoys. Using data stored in its computer memory, JSTARS can determine the movement of an enemy formation, enabling commanders to estimate the enemy's route of travel, said the spokesperson.

Of JSTARS' demonstrated Desert Storm worth, Air Force Chief of Staff Gen. Merrill McPeak said in February, "We will never ever again want to fight any kind of combat without a Joint STARS kind of system."

Lt. Gen. Gordon Fornell, commander of the Air Force's Electronic Systems Division, hailed JSTARS in greater detail. In a speech to the National Aviation Club in February, he said JSTARS aircraft were flying daily 10 to 12 hour sorties and giving commanders "a real-time God's-eye view of the battle"-- something they've never had before.

A spokesman for Fornell said that following Desert Storm operations, JSTARS returned to the remaining testing phases. Its

Desert Storm achievements will be considered in the evaluation, he added.

A three-month-long JSTARS flight test program was scheduled to begin this spring and would have provided the basis for an advance procurement decision in

1992 and a low-rate production decision for three aircraft in 1993. A full-production decision was slated for 1995, with five aircraft to be produced in 1997 and an ultimate order of 22 aircraft, explained the spokesperson.

### Calling all Vampires

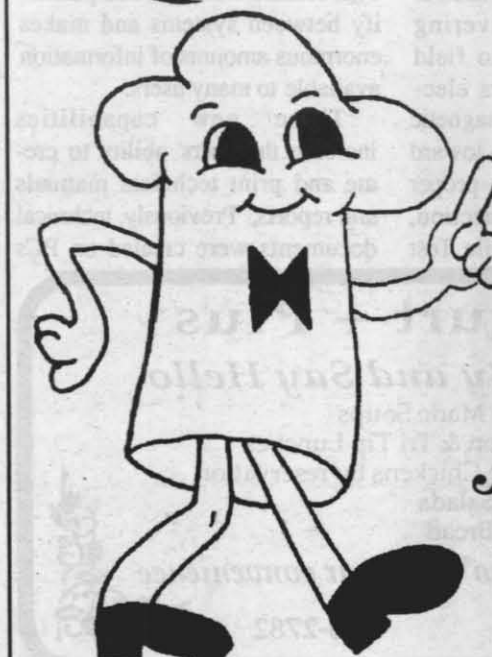
It's a birthday celebration for the VAMPIRES!! Yes, VX-5 turns the big 40 in June! The squadron will be holding a birthday celebration. Making this a truly unique event, the squadron is inviting all former Vampires to participate in the celebration. For more information call VX-5's Cdr. Cuninghame at 939-5733.

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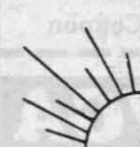
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## ILS Branch extends services with new computer

This past year, the Integrated Logistics Support (ILS) Branch, Code 3664, expanded its customer capabilities with the purchase of a new computer system, the Hewlett Packard (HP) 9000. This UNIX-based system uses Open Systems Interconnection (OSI), a seven-layer network protocol standard, to allow two-way communication. The system can run standard commercial databases like Oracle, Sybase, Ingres, and Informix. It supports all defined OSI standards and ARPA/Berkeley Communication Services standards. The HP 9000 allows programming in Pascal, COBAL, C, and FORTRAN.

The HP 9000 system facilitates the transition from paper to digital interchange of technical data associated with weapons systems. Data includes engineering drawings, product definitions, and logistic support analyses. The system helps meet the goals of Computer-aided Acquisition and Logistic Support (CALS), a Department of Defense (DoD)-established strategy for the transition to automated interchange of technical data between defense and industry organizations. Some of the CALS requirements the HP 9000 meets are application portability, networking capability, availability of accepted standards on UNIX, and availability of applications and databases written on UNIX.

The HP 9000 makes tracking and storing information about weapons a simple task. Logistics data for several weapons (MRUAV, Harpoon, HARM, Phoenix, AMRAAM, Sidewinder, Sparrow and SLAM) are

tracked by the ILS Branch using an application database called Integrated Logistics Support Analysis (ILSA). ILSA runs on an Oracle/SQL (a data access language) platform residing on the HP 9000 system. ILSA records/tracks technical design, acquisition and logistics support data for every weapon part. This information is stored in Logistics Support Analysis Records (LSARs). The HP 9000 makes using LSARs more efficient and fast because of relational database software. The software randomly searches and accesses the data, rather than sequentially, allowing for quicker, thus cheaper access and retrieval.

ILSA has other useful features. For instance, it has an internal mailing system allowing users to input and send comments without leaving the system. Another feature is enhanced report generation capabilities due to ILSA's relational Oracle/SQL platform. A program manager or other authorized user can review and edit a report on a weapon generated in ILSA without running hard copies.

Using ILSA, the ILS Branch is working toward delivering weapons logistics data to field activities and contractors electronically rather than by magnetic tapes. This is another step toward CALS compliance. With proper access and network connection, personnel at Pacific Missile Test

Center (PMTTC), the Naval Air Systems Command (AIR418), NWC and others will have access to the ILSA LSAR database, and be able to request reports and data, which can be reviewed or edited without ever generating a hard copy.

An application called the Local Area Network (LAN) Manager residing on the HP 9000 allows a section of the HP 9000 storage to be partitioned for DOS. This allows PC users to have another hard drive. Users can store files, load programs, and use them on this drive without using their own storage space. The DOS partition can be configured for any number of users. The user can restrict who uses it and how they use it. The partition can also be portioned to function as a community file where users share data. LAN Manager also provides remote printing capabilities. Data are shared using another feature on the HP 9000 called the Network File Service (NFS). Data such as engineering drawings, technical reports, and graphics can be sent from any DOS, UNIX, or Macintosh system. This feature enhances compatibility between systems and makes enormous amounts of information available to many users.

These new capabilities increase the users' ability to create and print technical manuals and reports. Previously, technical documents were created on PCs

at various locations on Center. Graphics had to be saved to a floppy disk, picked up at the Engineering Center, and loaded into the document on the user's PC. When the technical document or manual was ready for printing, it had to again be saved to a floppy disk, and hand-carried to the Print Shop to be printed out. Now, due to the great technical advances of networking, this time-consuming, inconvenient process is being phased out.

Users can now incorporate text, drawings, and graphics into documents by accessing the LAN or NFS community file drawer. This enables users to create and edit a document without ever saving it to floppy. When the document is ready for printing, it can be copied over to the Xerox 6085 tabletop via a Xerox 386 Companion (a DOS drive) at the ILS Branch. From there, it is sent digitally to the Print Shop where it is printed according to the creator's specifications. Thus, the text has been created and manipulated, graphics have been incorporated from various locations, and the document is sent to the

Print Shop without a pencil ever touching a piece of paper, or without hand-carrying floppies from one site to another.

The HP 9000 uses OpenMail that communicates with VAX systems, Mac subnets, and other HP systems at NWC. It allows E-mail customers to use the following protocols: TCP/IP, X.400, UUCP messaging systems, and SMTP. OpenMail acts as a mail translator, protocol converter, and mail router. This mail system is very flexible and supports all present and emerging OSI standards. It can connect with almost any other mail system. The addressing scheme is encoded in the HP's OpenMail directory, providing a highly sophisticated directory, which only requires the recipient's name to travel through the complex pathway of HP and non-HP hardware.

The ILS Branch has made great strides with the addition of the HP 9000. It enables NWC to keep up with government and industry standards for transferring technical documentation. It moves NWC closer to CALS (Continued on Page 17)

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## Capabilities improved...

(Continued from Page 12)

compliance, reducing the lead times and costs associated with the acquisition and support of weapon systems. It adds an easy-to-use, customer-friendly service to the ILS Branch's capabilities. Moreover, it saves NWC a great deal of time and money in managing logistics for weapons systems. The ease, speed, and accuracy it offers strengthens NWC's mission to be the foremost research, development, test, and evaluation center for air warfare

systems, and missile weapons systems.

For more information about the capabilities and services of NWC's Integrated Logistics Support Branch, call 939-3411, extension 322.

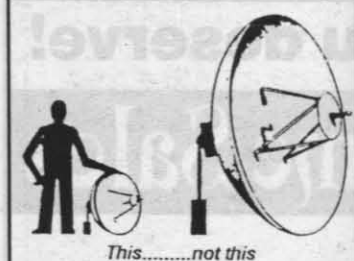
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## FMA members talk to leaders

Members of the China Lake Chapter, Federal Managers Association took part in the FMA National

Convention early this month. Sessions included several training conferences and a "Day on the Hill" to meet with local congressional leaders or their representatives.

Issues discussed included reform of the Federal

Employees Health Benefit Program, lifting the cap on the federal wage system pay, issues facing federal retirees, right size for a strong defense, need for Hatch Act reform and overreaching honoraria restrictions.

China Lake Chapter 28 meets the first Tuesday of each month at 11:30 a.m., 707 Ellis. The next meeting is April 2.

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# Public Works breaking new co-op ground

By Peggy Shoaf,  
Rocketeer Staff Writer

Once again, the Naval Weapons Center's (NWC) Public Works Department (PW) is breaking ground in a new area. In an effort to get young people interested in working in an occupation requiring skilled labor (trade) on-Center, PW has initiated wage grades (trades) into NWC's Cooperative Education Program (Co-Op). At the end of the five-year program (combined classroom instruction and on-the-job-training), participants will have earned an Associate of Arts Degree and be certified as a journeyman of their particular trade.

## This program is an opportunity for our youth

Mission related trades include painter, air conditioning (AC) mechanic, sheet metal mechanic, industrial equipment mechanic, pipefitter, electrician (high voltage), regular electrician and carpenter. "Right now," said Dave Hawkins, head of PW's newly formed Construction/Project Support Division, "there aren't any apprentice programs to train people interested in these trades. This program is an opportunity for our youth to get an education and be trained in a trade with high demand. It is also a way for NWC to get young craftsmen onboard who can replace those retiring or moving on."

To be eligible for the program, applicants must be at least 18 years of age, a U.S. citizen, and be enrolled or accepted in Cerro Coso Community College. Since NWC already has a contract with the college, representatives from the school worked closely with Personnel Department and Training Division personnel to modify existing classes and even added other classes to better fit the educational requirements of those entering the program.

Students who would like to enroll in the program should contact Jaimie Miller, a Cerro Coso counselor. Upon being contacted, Miller will talk to the prospective applicant and administer a Career Assessment Inventory (CAI) test, which indicates if the applicant has an aptitude for any of the trades being emphasized.

If the CAI indicates an aptitude, Miller will assist the applicant in filling out a SF-171, assemble any other necessary papers, such as a DD-214 (report of separation from active duty), letters of reference or college transcripts.

Applicants are required to sign a Pre-journeywork Development Plan. This plan shows the courses needed by the applicant to become a certified journeyman and what the Center expects from the trainee.

Miller will send the completed package to Melissa Lytel, NWC's Co-Op program manager, who is located in the NWC Professional Recruiting Office. Lytel will evaluate the paperwork and decide if the applicant is qualified for the position. Once qualification is established, the

paperwork will be sent to the appropriate Public Works supervisor to arrange an interview.

Prior to the interview, the applicant will be asked to fill out a supplement to the SF-171. This supplement is required for all wage grade employees.

## Trainees enter the program as WG-3 employees at \$8.75 per hour

If accepted into the program, the trainee will take the 30 general education units required by Cerro Coso to receive an AA, plus another 30 units of specific classes to become a certified journeyman. Also, the trainee must take some self-study courses the college does not offer. NWC reimburses trainees for the cost of tuition and books necessary to finish this program. Students must take 12-15 credits per semester to stay eligible for the program.

Trainees will enter this program as a WG-3, currently earning \$8.75 per hour. After one year, the trainee can be promoted to a WG-5. Upon earning their AA degree, trainees can be promoted to a WG-7 or 8, depending upon their specialty trade. By completing the program, the new career conditional employee can be promoted to WG-9 or 10, again depending upon their trade. During their program, trainees are eligible for normal increases in salary, cost of living increases or raises available to all NWC employee.

Students/trainees can work full time when school is not in session. While school is in session, hours will be negotiated between the trainee and supervisor.

To remain in good standing in the program, students/trainees must maintain at least a minimum 2.70 grade point average, perform to the work expectations of the supervisor and complete their education in a reasonable amount of time.

"By the end of the program," said Bob Young, administrative officer for the PW shops, "the trainee will have an AA and be a certified journeyman, specialized in a trade. We also intend the trainee will have knowledge of a couple of other trades, so eventually they can be cross trained."

Since January, a task force, consisting of members from Public Works Department, Personnel, Training and Cerro Coso have worked together to bring the program together. Alkhafi, Young and Mike Crom have represented PW. Marie Duff was instrumental in instructing members on training regulations and requirements, while Melissa Lytel and Bob Peoples handled the personnel aspect of the program. Jim Bumgardner, associate dean of vocational education at Cerro Coso, and Miller took care of the college's requirements.

"Getting this program off the ground has taken a lot of work from all the people on the task force," said Alkhafi. "It has definitely been a team effort -- with each group finding solutions to different problems as they cropped up."

# Celebrating freedom

(Continued from Page 4)

the leader and each other. Through asking questions, we learn the story and internalize the concepts. Some of these questions are fixed questions within the Haggadah. These teach us that there are parts of the story which must be included each year. Other new questions are encouraged. We are taught that everyone learns in their own manner. Therefore, there must be freedom for each person to learn about Freedom in their own way.

As with any celebration, some people stick closely to the text of the Haggadah. Others question, laugh and sing; utilizing the traditional order only as a guide. The key is not the approach, but the experience. The goal is not just to read the story. Through telling, we hope to personally experience the passage to freedom. This journey should not be viewed as a story from distant history. Each year, we attempt to understand the bitterness of oppression, the miracles of the world and the joy of freedom. These goals are all the more true and relevant in 1991, as in the past.

In the words of one Haggadah: "As we gather about the festive Passover table, we are uniting ourselves with our past; we are linking ourselves with our future; and we are identifying ourselves with every one who celebrates Passover and freedom. We are keeping alive humanity's love of liberty."

By Andrew Busch  
Student Rabbi

## Housing survey must be filled out

Housing says . . . The deadline for completing the Housing Survey questionnaire is here. If you have not filled out your questionnaire, please do so and return it to the Naval Weapons Center's Housing Office right away. This is a **mandatory** survey, whether living on or off Center. If you have misplaced your survey, call the Housing Office at NWC ext. 3411, ext. 321, and we will get one to you. To those of you that filled one out and mailed it back to us, we appreciate your prompt attention.

A special thanks to MMCM Robert A. Williams, ABCECS Edward L. Briggs and Sgt. S.T. Self for their help with this survey.

# Blues

(Continued on Page 13)

military aircraft were positioned in and around the hangar at NWC's Armitage Field during the day.

In addition to Navy and Marine Corps aircraft associated with the China Lake mission, VF-126 brought a TA-4 Skyhawk in camouflage paint, an H-3 Sky King helicopter came in from HSC-1 and VFA-127 sent a F-5 Orion for display. In addition, VF-51 displayed an F-14 Tomcat and the Royal Air Force's Joint Trials Unit 32 had their Tornado on static display.

Drawing a lot of attention inside Hangar Three was the Scud-busting Patriot missile, produced by Raytheon. The missile, a star of Operation Desert Shield/Storm, was exhibited because of intense interest in this anti-missile system, even through it was not a China Lake project.

Weapons with the "China Lake connection" exhibited included Sidewinder, Maverick, Phoenix and Sparrow missiles.

Other displays in the hangar were from NWC's Aerosystems Department, the Environmental Program Office and the Full Scale Aerial Targets Branch of the Aircraft Department. Defense contracting firms Loral, Boeing, CTA, General Dynamics, Hughes, Grumman and McDonnell Douglas also had displays in the hangar.

Five different types of aircraft were shown off by Navy and Marine Corps aviators of Air Test and Evaluation Squadron Five (VX-5) in their portion of Saturday's air show.

Flying the F/A-18 Hornet were Lt. Dave Dunaway, while the A-7E Corsair II's pilot was the squadron executive officer, Cdr. John Voshell. The Super Cobra was flown by Marine Capt. Aaron Aldridge, while LCdr. Jim Seaman flew the A-6E

Intruder with Lt. Mark Dvorak as his B/N. In the EA-6B Prowler, LCdr. J.P. Kindred took the controls with Lt. Scott Burkholder and Capt. Joe Daulplaise (USMC) as crew members. Two VX-5 A-4 Skyhawk's were used as photo backdrops for aviation buffs during the day.

An Air Force F-16 Fighting Falcon got the crowd primed for the Blues. The USAF demonstration showed the power of the F-16 and its ability to complete minimum radius turns with full afterburner. The Luke AFB, Ariz.-based fighter was flown by Capt. Mike Lepper.

From the time Cdr. Greg Wooldridge in Blue Angels No. 1 called for afterburners on the takeoff roll until the six blue and gold F/A-18 Hornet returned to the flightline, all eyes were trained skyward. Rolls, loops, high-performance climbs and tight maximum G-force turns drew the rapt attention of almost everyone on hand.

While the maneuvers themselves were not much different than what all Naval aviators learn in flight school, the Blues specialize in bringing them down to tree-top level and in wingtip-to-wingtip formations.

Much of the show is performed by the Blues' trademark four-aircraft diamond formation. Two solo Hornets have their own special portion of the exhibition, often seeking to show just how precisely these aircraft can be flown, by giving the crowd the illusion they are about to collide as they pass over show center.

Toward the end of the show, Cdr. Wooldridge calls the solo pilots to join the other four, transforming the diamond into a delta formation. It is from this six-plane delta the Blues, with all aircraft (Continued on Page 14)

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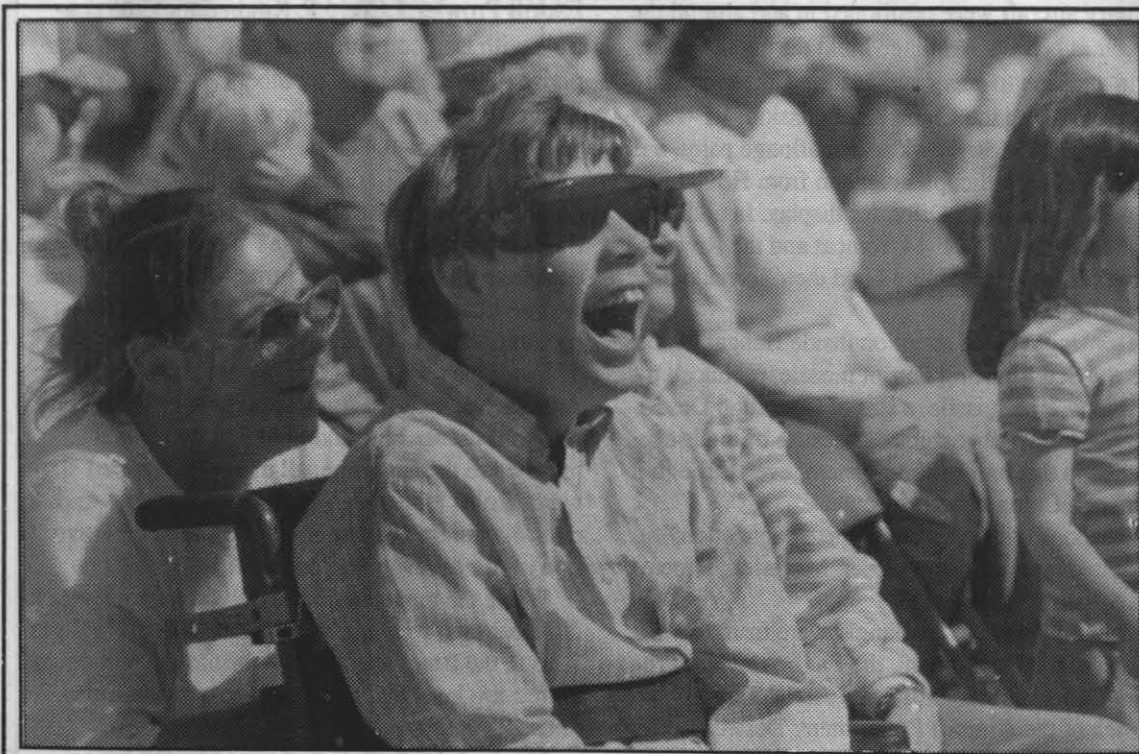
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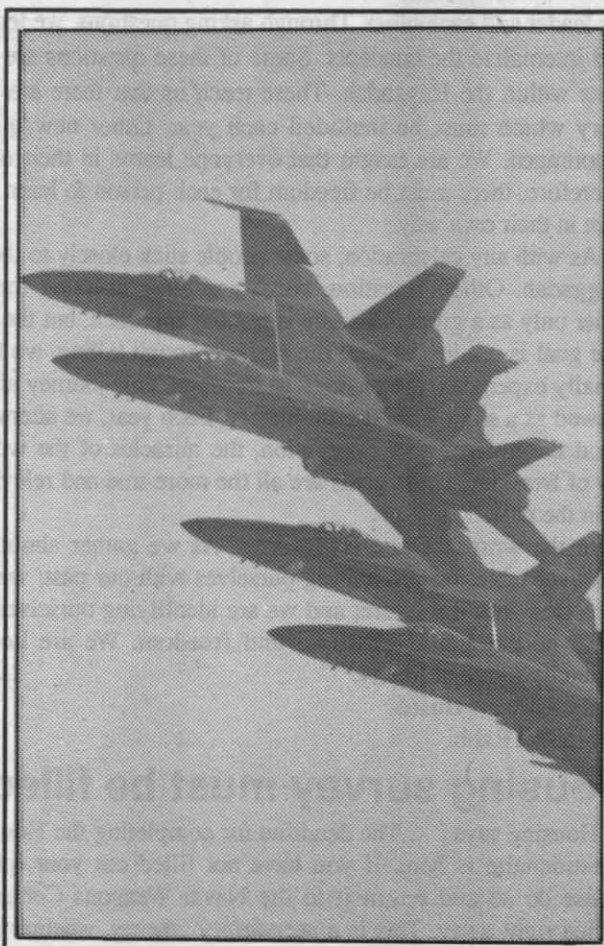
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# Pilots, parachutists display special skills



Air Show Photos by PH3 Cary Brady NWC Rocketeer



**FUN, SUN & NOISE**—Kids and adults alike were enthralled last Saturday as the Navy's Blue Angels took to the sky above the Naval Weapons Center. They were watched with awe as Navy and Marine Corps pilots brought skills used in combat up close and personal for an estimated 15,000.



## Aerial show thrills thousands

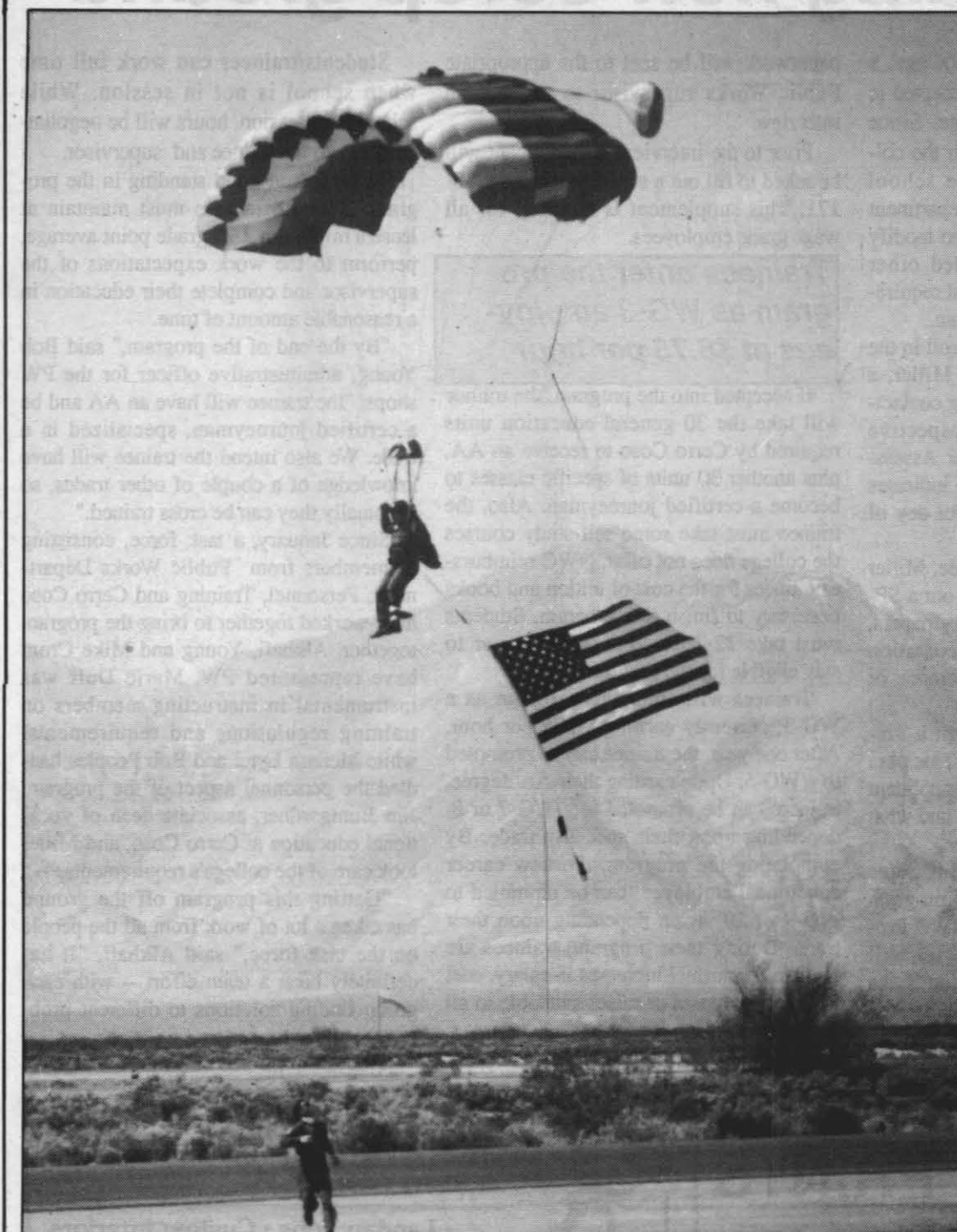
(Continued from Page 13) streaming smoke, do their famous *fleur de leis* maneuver.

When the smoke subsided and the scream of jet engines ended, the Blues walked from their six gleaming F/A-18s to the edge of the crowd, ready to meet their public, sign autographs and talk

about the show. The 1991 NWC air show went into the record books as another highly successful demonstration of the aerial prowess of U.S. Navy and Marine Corps aviators.

Visitors from Bakersfield, Los Angeles County, Pt. Mugu, Fresno and Bishop all had the same

response when it was all over. Like the thousands of area residents who made the trip on-Center, they said it was "worth the drive" and they'd be back when the Blue Angels next visit the high desert region of Kern County, probably for NWC's 50th Anniversary in 1993.



**AIR SHOW FUN**—NWC's PR1 Bill Leuallen opens Saturday's show with the American Flag. Capt. Ken Switzer, USMC, Blue Angel No. 7 briefs KERO-TV's Kim Stephens before her media flight below. At right, fans of the Patriot Missile gaze at the Scud-buster.



**CLMRG DEMO**—A member of the China Lake Mountain Rescue Group shows how to rappel down the side of a cliff or building. This was one of many exhibits and displays for visitors who wanted to get out of the sun during the show or who were more interested in technology than aerial demonstrations by military members and their machines.