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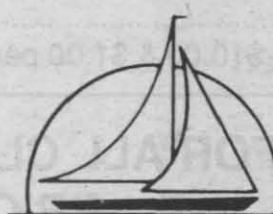
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China Inc., the new owners of Budget Rent-A-Car of Ridgecrest would like to thank you for the warm welcome they have received; and would like to wish you a very happy and prosperous holiday season!!



NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLIV, No. 49/December 8, 1989

Professional efforts win medals

Three sailors recognized by previous commands for numerous contributions to U.S. Navy

Three sailors new to the Naval Weapons Center were recently honored for work they had done while at their previous commands. Master Chief Avionics Technician Gary Leon Howe, Aviation Boatswain's Mate (Handling) First Class Douglas Merrill Carr and Aviation Boatswain's Mate (Aircraft Handling) Second Class Michael Walter Berry each received a Naval Achievement Medal "for professional achievement in the superior performance

of duties..."

Commander Gilbert Baron, head of the Aircraft Support Division, presided at the awards ceremonies in Hangar Three late last month.

Arriving from Naval Air Station Moffet Field, Calif., just three months ago, AVCM Howe brings with him almost 19 years of Navy experience. The citation, which accompanies the award notes the master chief demonstrated in-depth knowledge

and keen interest while the Avionics/Armament Division chief, inflight technician and quality assurance supervisor at Patrol Squadron NINETEEN, from June 1986 to September 1989. In addition, the citation read, "He was responsible for developing and implementing a quality assurance audit/monitor schedule for 17 critical maintenance programs." The quality assurance supervisor was also credited with being the driving force being Com-

mander Patrol Wing Ten's Post-Deployment Corrosion Inspection and the Navy Technical Proficiency Inspection which resulted in zero discrepancies.

The new quality assurance supervisor in the Maintenance Department, Code 61204, lives on base with his wife, Rose, and three children, Timothy, Randal Scot and John.

A China Laker for only two months, ABH1 Carr has been in the Navy for 10 (Continued on Page 3)



WAY TO START—Commander Gilbert Baron, head, Aircraft Support Division, awards Navy Achievement Medals to (left to right) ABH1 Douglas Merrill Carr, ABH2 (AW) Michael Walter Berry and AVCM Gary Leon Howe for work the three did while at their previous duty station. All three sailors were recently assigned to NWC. TID Photo

Two earn TD award

Two key contributors to *Sidewinder* AIM-9R development at the Naval Weapons Center earned the coveted Technical Director's Award on November 21. Michelle Bailey and Robert Smith of the Intercept Weapons Department received accolades from their supervisors and from Bill Porter, NWC technical director, culminating in the TD awards presentation.

For her success in building a team tasked with developing software for the first *Sidewinder* controlled by an on-board digital processor, Bailey was nominated for this high Center honor by Dillard Bullard, former Code 39 department head.

According to Bullard, it has been recognized

from the beginning of the development process that the success or failure of AIM-9R was largely dependent on the quality of the software package. "Michelle built a strong team that not only clearly showed an aptitude for the technical challenges inherent in the program, but were equally adept at applying their software knowledge to solving the operational problems the missile was going to be faced with." The nomination letter continued "Their labors, under Michelle's leadership, have given the Navy a missile that is demonstrating capabilities far in excess of any ever recorded by a previous *Sidewinder*. And, because of the flexibility inherent (Continued on Page 7)

Backiewicz markets Center in recruiting

As the newest professional recruiting coordinator at the Naval Weapons Center, Pat Backiewicz's job is selling NWC to potential professional employees.

She takes over the job most recently held by Mary Moore who left the Center last month. Continuity will be provided by assistant coordinator Wanda Booker and clerk typist Verdie Nelson who have been with the office for several years.

NWC's mission is research, development, test and evaluation. Hence its target employee pool consists primarily of scientists and engineers, with specific emphasis on graduating college students for the Junior Professional (JP) Program. Some

administrative personnel are actively sought also.

Recruitment effort focuses on schools in the south-west U.S. to avoid some of the environmental shock of living in the desert. With the Navy-wide emphasis on employing minorities, schools are also targeted based on minority enrollment in critical fields of science and engineering.

One of the duties of the job is co-chairing the JP Development Committee with Jim Rudeen, head of Weapons Systems Development Division (Code 352). The committee consists of a cadre of volunteer recruiters, experts in their fields on Center, who search out job fairs, colleges and universities for potential employees. (Continued on Page 6)

Small purchase queries possible with APADE

Next Monday, Center-wide query access into APADE—a standardized procurement system that applies the capabilities of automated data processing to the procurement process—will begin. The Naval Weapons Center was the first Navy lab to implement APADE when it went on line last May.

Procurement Department (Code 25) personnel feel this is a significant accomplishment because the APADE system is the actual tool procurement people use to process purchase orders, delivery orders, BPA calls, and imprest fund orders. Query access into APADE will allow Center employees to get up-to-the-minute, real-time information on requisitions, using the same database system as their buyer. Offices with access to a Digital VT terminal or a VT terminal emulation package, and are connected to a terminal server, have access to APADE.

NWC is not only the first Navy lab to implement APADE, but the (Continued on Page 7)

Wellness Corner

The following is a list of China Lake Challenge participants who met an established standard or won an event (age and/or gender category). *denotes the winner.

AEROBIC DANCE -- Code 24: Becky Souza, Pam Harris, Don Cortichiatto, John Howard; Code 25: Linda Watkins, Debbie Newton, Carol Schwartz, Barb Peterson, Elizabeth Peterson, Christopher Peterson; Code 31: Sally Richards; Code 32: Nancy Carey, Carol Geiger, Jack Thompson, Lee Sutton, Ellen Bryant, Jim Bryant, Shari Keyes, Joyce Hinkle, Richard Lawell, Brian Anderson, Helen Stewart, Don Stewart, Donna Tyler, Mike Tyler, Skip Bennett; Code 34: Line Scanlan; Code 35: Jim Fuller; Code 36: Bob Tews; Code 38: Juanita Morto, May Chan; Code 39: Ruth Malik; Code 61: Mario Sanchez, Mary

Kay Bornfleth; Code 62: Randi Clark, Jeromy Dunn, Gail Harrington.

BOFFER -- juniors: *Andrew Banaszynski (62), John Frisbee (32); adult: *David Adkins (232), Floyd Willis (32); team melece: *Michelle Moss, *David Adkins, *Valerie Ditton, *Victor Mirales, *Victor Z. Mirales (232), Galen Hollins, Brian Hollins, Rich Hollins, Bill Norris, Bob McDonald (38).

HACKEY SACK -- *Andrew Howard (24) 14.0 seconds.

HORSESHOES -- Code 232: Mike Cauton; Code 30: Lora Banister; Code 32: Milessa Christenson, Dona Tyler, J. Novity, Chris Fowler, Dave Fowler, Elaine Hooper; Code 34: Line Scanlan; Code 35: Jason Rollingson; Code 38: Eric Erickson, Geoff Linsley, Phil Archibald, Rich Hollins; Code 62: Julie Harmon.

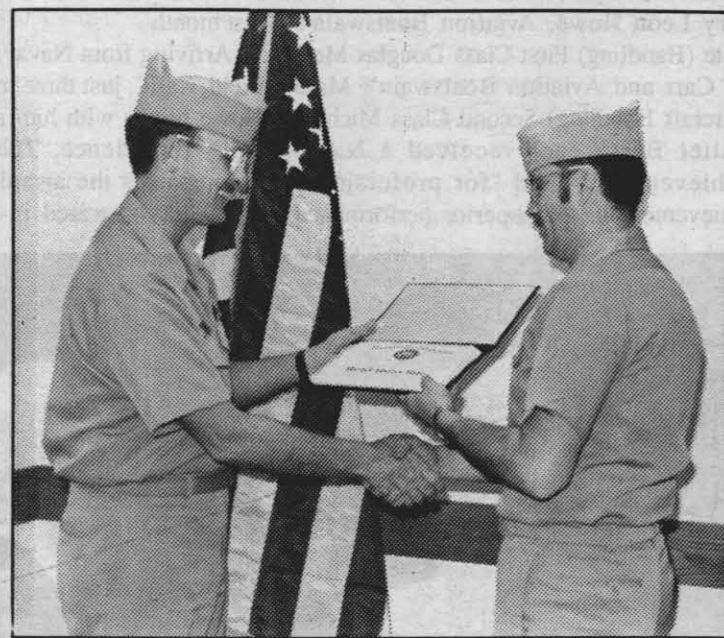
JUMP ROPE FOR ONE MINUTE (age group, name, (code), # of jumps) -- 3-4: *Hannah Davidson (25) 10; 5-8: *Tara Chappelle (26) 112, Kelly Cortichiatto (24) 88, Sarah Dunn (36) 67, Alexis Ashley (22) 73, Dawn Shermer (35) 86, Heather Smith (25) 65; 9-12: *Melanie Mireles (232) 110, Stephanie Lesniak (32) 96, Julie Harriman (62) 92; 13-14: *Jeromy Dunn (62) 125; 15-39: *Chris Gibbs (32) 163, Ellen Davidson (25) 130, Ellissa Christman (32) 153, Richard Titi (232) 161, Kim Oliver (22) 143, Karen Kirkendoll (26) 156, Kevin Switzer (35) 122, 40-59: *Line Scanlan (34) 118, Dennis Winslow (31) 111; 60+: *Bill Norris (38) 67.

OBSTACLE COURSE (gender, age category, name (code) time) -- Females 10 and under: *Dawn Shermer (35) 39:06, Erin Hollins (38) 44:38, Ivy Erickson (38) 42:33, Cony Crawford (22) 42:45, Heather Staab (36) 41:43, Tracy Cortichiatto (24) 47:94, Kelly Cortichiatto (24) 49:53, Alexis Ashley (22) 41:69, Heather Smith (25) 44:28, Sarah Dun (36) 44:87, Carol Pual (25) 39:82, Tara Chappelle (26) 42:32, Sarah Lesniak (32) 54:36, Casey Hine (35) 54:68, Camille Pond (24) 46:06, Elizabeth Peterson (25) 46:22, Heather Smith (25) 40:92, Sarah Kirkendoll (26) 43:04, Carol Paul (25) 39:66, Sarah Dunn (36) 49:26, Dawn Shermer (35) 39:30, Joy Frisbee (32) 39:79, Camille Pond (24) 45:77; 11-15: *Zakia Foster (30) 32:57, Julie Martin (38) 36:08, Julie Harriman (62) 36:60, Carrie Cortichiatto (24) 35:34, Michelle Cortichiatto (24) 39:73, Stephanie Lesniak (32) 37:22, Rowena Davidson (25) 39:33, Andrea Banaszynski (62) 41:03; 16-25: *Tammy Jones (26) 36:02; 26-35: *Linda Justis (28) 36:30; 36-45: *Ellen Davidson (25) 38:39; Susan DeMay (32) 39:26, Debbie Newton (25) 39:51, Pam Harris (24) 39:13; 46-55: *Betty Aley (32) 42:42; 56+: *Barbara Benet (30) 55:07.

Males 10 and under: *Michael Lesniak (32) 40:17, Phillip Demay (32) 48:45, Adam Lobainco (62) 44:16, Ben Erickson (38) 47:56, Adam Lobainco (62) 42:28, Scot Hine (35) 42:08, Aaron Wilson (2408) 43:09, Mathew Pond (24) 41:14, Travis Zessin (25) 43:04, Joseph Shermer (35) 45:01, Floyd Willis (32) 48:15; 11-15: *Victor Mireles (23) 33:78, John Frisbee (32)

39:11, Mike Oliver (36) 35:50, Andrew Banaszynski (62) 37:03; 16-25: *William Sakaguchi (39) 30:59; 26-35: *Floyd Willis (32) 33:15; 36-45: *Tom Miller (62) 31:10, Jon Lobianco (62) 32:63, Geoff Lindssay (38) 33:84, Richard Titi (232) 34:52, Daniel Crist (34) 34:86, Mike Kramer (32) 34:02, Jack Davidson (25) 33:01, Rich Lesell (32) 32:04, John Robbins (32) 34:91, Dennis Winslow (31) 32:63, Bob Huey

(25) 34:31; 46-55: *Keith Becker (61) 34:18, Duane Blue (32) 39:25, Jack Braun (32) 36:10, Matt Anderson (32) 37:64, Paul Valovich (03A) 36:78, Sterling Haaland (36) 38:45, John Howard (24) 36:88, Joe Oliver (36) 37:43, 56+: *Jack Thompson (32) 41:98; Bryant Ferguson (32) 46:20, Don Herigstad (32) 42:20, Fred Shaugnessy (31) 42:50, Bill Norris (38) 44:12
Further results in the next issue!



LET'S GO FOR FOUR--Ensign Rick Chapman hands ADC Kenneth A. Rettschlag his reenlistment certificate after being sworn in for another four years. ADC Kenneth A. Rettschlag (right) accepts his certificate of reenlistment after swearing in for another four years. As of Dec. 23, the chief aviation machinist's mate will have 15 years in the Navy.

NWC Rocketeer

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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. WEDNESDAY - PRIOR TO FRIDAY PUBLICATION

5 LOST & FOUND

LOST: Child's blue sweater with white letters of JV. Please return! Lost on strop. Call 446-4881.

15 HELP WANTED

WANTED: CHILD CARE for 9 month old. MUST BE F.H.C. certified. Call Karen at 446-6281. After 5 pm.

30 SERVICES

ASPECT WINDOW TINTING - Commercial, residential, autos & specials. Licensed. 371-2511.

FROM SANTA'S PEN - Beautiful greeting in Calligraphy. Full-color with North Pole Postmark. Send \$2 for each name. Also include age to - 1539 N. China Lake Blvd., Suite 146, Ridgecrest, Ca. 93555 (Naughty or Nice opt.)

35 AUTOMOTIVE

'84 NINJA 900 HAWK. New tires & chain & sprocket. Has had engine redon & new Kerker exhaust. Asking \$1400/OBO - MUST SELL! 446-7451.

'72 CHEVY EL CAMINO - recently had new engine, tires, exhaust, brakes, interior & tranny. Asking \$2930/OBO. 446-7451

35 AUTOMOTIVE

1964 VOLKSWAGEN BAJA BUG CORVETTE - Yellow & Gaber Blue, 1-piece fiberglass hood, full roll cage front to back, Quick shift kit, rebuilt 1600cc, dual port, dual carb., new tires & brakes. 1 -piece Cal. look windows. Have extra 1600cc, single port w/progressive carb. & extra parts. \$2000 - Call Wally 375-6885.

1984 HONDA SABRE V-65, 1100cc, new in 1986. 12,000 mi., very fast, mint cond., shaft drive, maintenance manual. \$1800. Call 446-4843.

1986 Z28 CAMARO - LOADED, low miles - \$9000/OBO. Call Bob at 446-4399.

1988 HONDA XZ 500 S. \$750. Excellent Condition! Call 371-1790.

FOR SALE: 1989 CHEVY 1/2 ton extended cab pickup. Call 375-7466.

MINI STOCK RACE CAR - '66 Volkswagen, race ready. Includes 2080cc motor, dual port, dual carbs, extra tires, lots of spare parts & trailer. \$2000 - Call Wally for details. 375-6885.

40 MISC. FOR SALE

INTERARMS MKX Mauser .243 rifle, 4-12X scope w/caps, glass-bedded. \$400 new, sell for \$250. Rick 446-4029.

KINDLING, WOOD - RECYCLING CENTER, NWC. \$12 per box or 2 for \$20. Hours - Mon-Fri, 9:30-2:30. 939-2522.

PIPE OR LADDER RACK - great for construction work. \$100. 446-6402.

STORAGE SHEDS - HALF PRICE! 5x4 - \$49; 8x6 - \$69; 10x8 - \$89; 10x9 - \$119; 10x12 - \$189; 12x16 - \$429; 12x23 - \$519. 375-5896.

SWING & GYM SETS, new, half price, assorted styles. 375-5896.

50 PETS & SUPPLIES

6 month old MALE GERMAN SHEPHERD PUPPY. "FREE TO GOOD HOME!" Housebroken, has shots. 446-5104.

ADULT MALE DOBERMAN - neutered, tail & ears cut. \$50. 446-6402.

China Lake Calendar

Fri. Dec. 8

...Naval Consortium for Superconductivity, NWC Conference Center

Fri. Dec. 8

...Last day of the Health Benefits Open Season

Sat. Dec 9

...Matinee: *Pete's Drag n*, 2 p.m., Center Theater

Mon, Dec. 11

...Association of Old Crows, 5 p.m. Michelson Lab, Room 1000D

Mon, Dec. 11

...Mac Users Group, Michelson Lab Mgt. Center, 2:30 p.m.

Tues. Dec. 12

...Michelson Laboratory Award Luncheon, 11:30 a.m., Commissioned Officers' Mess

Wed. Dec. 13

...SOLE monthly lunch meeting, 11:15 a.m., Seafarer Club

...Holiday Traffic Safety Seminar, featuring Sgt. Jack Ware, 2 p.m., Center Theatre

Sat. Dec. 16

...Magic Show, 2 p.m., Center Theatre

Coming attractions:

Dec. 31-Jan. 1--Happy New Years Slumber Party, 8 p.m. to 8 a.m., NWC Youth Center

Jan. 3-4--Safety Standdown, Center Theatre

McGRUFF WANTS YOU

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CRIME



Community Events

Tomorrow, the Ridgecrest Games Club will hold its monthly meeting. The fun begins at 4 p.m. in the Old County Building on Ridgecrest Blvd. Don't forget your favorite games!

It's beginning to feel a lot like Christmas, and the December meeting of the Historical Society of the Upper Mojave Desert is in the mood for a Christmas party. The party will be held at the Maturango Museum on Dec. 19 at 7:30 p.m. and the public is invited. Share some of the holiday experiences by the old timers and take part in a great Christmas carol sing-a-long. Refreshments will also be available.

"Young Talent," the next exhibit in the Cerro Coso Art Gallery, will display a variety of artistic works by local high school students from through Jan. 26. A reception with the students and their instructors will be held today (Friday), from 5 to 7 p.m. The public is invited to attend.

Hear ye! Hear ye! Come one! Come all! The lords and ladies of the manor invite the public to eat and make merry in celebration of the season of the yule. The Burroughs High School Music and Drama departments will host a renaissance dinner tonight (Friday) and Saturday in the Burroughs High School Multi-Use Room. A five course meal, entertainment, music, songs, drama and humor will be provided for only \$18 per ticket. The fun begins at 6:30 p.m. Seating is limited. Tickets on sale at The Music Man, 251 N. Balsam.

"Campanile," a handbell ensemble, will be featured at WACOM's December meeting on Tuesday, Dec. 12. The event will begin with a social hour at 11 a.m., followed by a luncheon. Campanile's repertoire ranges from the handbells' beginnings of English, "change ringing," through the jazz masterworks of Dave Brubeck and the contemporary "new age." Reservations are required and may be made by calling Peggy Grossvler at 375-4974 or Elaine Jenne at 377-5229.

Ann Stockwell, president of the Friends of the Library Association, will be the guest speaker at the next meeting of Chapter 2274 of the American Association of Retired Persons. The meeting will be held at 1 p.m. on Dec. 10 at the Ridgecrest Senior Center, 125 S. Warner St. One portion of the business meeting will be the election of officers for 1990. For more information, call H. S. Eastman at 446-5327.

Rocketeer ends the year on next issue

Because of the holidays during the next month, the NWC Rocketeer will not publish on December 22 or December 29. The last issue of the paper for 1989 is December 15. The normal publication schedule of every Friday will resume on Friday, January 5, 1990.

Normal deadlines remain in force for the next two weeks. Any articles needed to be published before Christmas must be submitted to the Rocketeer no later than close of business on Tuesday, December 12. This deadline will be strictly enforced so the most material possible can be published in the final issue of the year.

For additional information on holiday deadlines please call NWC ext. 3354.

Hocus, pocus at Magic Show

Magic is in store for young and old who attend a special holiday event on December 16. The Morale, Welfare and Recreation Division will sponsor the mind-teasing talents of *Magic • Magic* from 2 to 3:30 p.m. at the Station Theatre. Admission for children under five years is free; for 6-12 years, military \$1.50, DoD \$2, others \$2.50; and for 13 years and up, military \$2, DoD \$2.50 and others \$3.

Popcorn, pop and candy will be available for enjoyment at the performance. For further information call NWC ext. 2909.



IWV Master Gardeners offer planters advice in annual gardening workshop

Calling all gardeners! Local gardeners, whether new to the area or experienced, are invited to the fourth annual gardening workshop sponsored by the IWV Master Gardeners. Held in January and February, the four evening sessions will feature speakers on topics including: desert soils and how to work with them, efficient water utilization

and drought tolerant planting, bare root planting, reliable varieties of fruit trees and other plants, and basic desert landscaping.

Sessions will be held in the Knights of Columbus Hall in Ridgecrest, on Thursday evenings: January 11 and 18 from 7:00 to 9:00 p.m., February 1 from 7:30-9:30 p.m., and

February 8 7:00-9:00 p.m.. There will also be two local field trips, including a fruit tree pruning demonstration--date and time to be announced at the workshop.

Fee for the workshop is \$10 per person or \$15 per couple. To make reservations, obtain application, or further information call Bill Schultz 375-3064 (evenings) or Billie Stone 377-5158.



	Max	Min	Gusts
Thurs.	65	19	4 knots
Fri.	72	25	8 knots
Sat.	71	27	6 knots
Sun.	75	28	7 knots
Mon.	83	33	4 knots
Tues.	80	31	14 knots
Wed.	80	41	9 knots



Care givers recognized

Licensed child care providers throughout Kern County will be honored tomorrow from 9 a.m. to noon at a continental breakfast in the Fireside Room at Bakersfield College.

Community Connection for Child Care will be recognizing

family day care providers and child care Centers' staff for the love and nurturing they give to all Kern County children. Psychologist Dr. Neil Koenig will speak on "Nurturing the Nurturers" as well as "Parenting in the 90s."

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- Tot lots with jungle gyms
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Military and Senior Citizens Two Weeks Free!

375-6543

For Special Attention - Call Ahead for Appointment
(next to Kern Regional Park & French Street)

449 Toro Drive

Three win medals

(Continued from Page 1)

ABH1 Carr has been in the Navy for 10 years. As the flight deck leading petty officer for V-1 Division on board *USS Carl Vinson (CVN 70)* from December 1985 to September 1989. According to his citation, the first class petty officer was recognized for utilizing his superior technical expertise and leadership ability as he "personally trained and prepared a flight deck crew that had an 80 percent turnover of key personnel, resulting in a highly successful Refresher Training period, Advanced Training Assessment and Western Pacific/Indian Ocean deployment." In addition, the citation notes Petty Officer Carr's personal dedication and close coordination with civilian contractors resulted in 206,500 square feet of flight deck being resurfaced on time while meeting exacting contractual specifications.

ABH1 Carr was also honored for his close coordination with squadron maintenance personnel at independent duty at Naval Air Station, Fallon, Nevada, which ensured maximum support was provided to Carrier Air Wing Fifteen.

As a member of the Flight Support Branch, Code 6111, the petty officer keeps busy by doing field arresting gear maintenance, parking and/or refuel-

ing transit aircraft and performing other duties pertinent to flight support. A single parent, ABH1 Carr lives on base with his five year old son, Wade.

While a China Laker the longest of the three, ABH2 (AW) Berry has only been in the Navy for eight years. He served as Fly One petty officer and Crash & Salvage leading petty officer in *USS Peleliu (LHA 5)* from May 1982 to July 1989. "Petty Officer Berry consistently performed his demanding duties in an exemplary and highly professional manner," reads his citation. "Displaying the highest degree of professional knowledge and expertise, he consistently demonstrated exceptional resourcefulness and impressive leadership in directing daily flight operations during three deployments to the Western Pacific...and was a key individual in *Peleliu's* winning of the Vice Admiral James Flatley Award for flight operations safety for 1988."

Also a member of the Flight Support Branch, the second class petty officer aids in the care of transit aircraft, care of the optical landing aid system and assists in search and rescue missions.

All three men agree being stationed at China Lake is "a lot different than being on sea duty." But added they are enjoying the changes.



COMMAND INSPECTION--Commander Light Attack Wing Pacific Fleet (COMLATWINGPAC) held a command inspection at Air Test and Evaluation Squadron Five last week. In this photo COMLATWINGPAC's Command Master Chief Withcombe reviews the troops. The Squadron has been preparing for the inspection for several weeks. Photo by PH3 Rob Foster

Pharmacy limits prescription filling service temporarily

Due to the absence of the pharmacist Dec. 20-31, the Naval Weapons Center's Branch Medical Clinic will be unable to fill, during that period of time, newly written prescriptions from civilian doctors and military facilities other than Naval Hospital Long Beach.

For information call the Clinic at NWC ext. 2911, ext. 241.

NWC HOTLINE
Integrity, efficiency program
Call: NWC ext. 3636 (24 hours)
or call the Inspector General at:
(800) 522-3451 (toll free)
288-6743 (Autovon)
(202) 443-6743 (commercial)

NEX readies Christmas sales

On Dec. 16, the Naval Weapons Center Navy Exchange will sponsor a special Children's Night from 6 to 8 p.m. During this time, children may shop for Christmas gifts for parents and relatives. There will be specials in various departments.

Following Children's Night, the Exchange will have a *Moonlite Madness* sale from 8 to 10 p.m. Special prices will be marked in the store. Refreshments will be available to help shoppers go full speed ahead!

Early bird shoppers benefited from the Navy Exchange (NEX)

Holiday Gift Book I, and now Holiday Gift Book II is available. Merchandise highlighted in this gift book can be obtained through Dec. 24 at the China Lake Navy Exchange.

In bright colors of red, gold and white, Book II is easy to spot! Look for the stuffed Mickey Mouse, Big Bird and a cuddly teddy bear in Santa suits on the front cover.

Holiday Gift Book II is the perfect gift guide for every member of the family. With everything from stocking stuffers to the finest jewelry, Holiday Gift

Book II features a wide range of items at a wide range of prices. Some items included in the gift book are fashions, fragrance gift sets, popular toys and bicycles, novelty sleepwear and famous brand watches. Fine china and crystal, personal appliances, power tools, consumer electronics and more are shown.

The new Book II also has special pages of gifts for less than \$10 or less than \$20.

Look for more details in NEX Holiday Gift Book II now at the Naval Exchange, where you can buy more gifts for less!



The Skipper Sez...

From the Skipper:

In response to questions regarding the use of tobacco products in Center buildings and workspaces, I am restating the Center's policy and alerting the workforce of a change in that policy.

It is clear that within the Federal government, no one is to be exposed to harmful pollutants caused by the use of tobacco products against their will. Within NWC, this means that if an area cannot be made healthful by ventilation systems and that area is to be used by both smokers and nonsmokers, then smoking will not be permitted. This is the policy of DoD, DoN and the Naval Weapons Center.

Paragraph 5H of NAVWPNCENINST 5100.16A, USE OF TOBACCO PRODUCTS AT NAVAL WEAPONS CENTER, dated Jan. 6, 1987, is changed to reflect the increasingly stringent laws/regulations and concerns regarding smoking in the work place. Effective immediately, the use of tobacco products is prohibited in corridors, lobbies, rest rooms and other common areas.

The implementation and the execution and enforcement of this smoking policy has been delegated to the lowest possible level within the organization. Local area managers are best equipped to resolve problems within their organizational units and are expected to do so. This includes issues such as number and length of work breaks. If anyone has a problem caused by the use of tobacco products, they should inform the appropriate area manager. In common areas defined in paragraph 5H of the instruction, you should notify the person responsible for the facility. For example, if the problem is in the Training Center, then the Training Center staff should be informed; in Michelson Laboratory Complex, the office of the coordinator, Richard Smith; etc. Notifying your own supervisor is always appropriate. There are numerous avenues available to express your concern and any or all may be used.

Supervisors and managers should be knowledgeable of the contents of NAVWPNCENINST 5100.16A and be alert for problems that develop around the use of tobacco. Further, I ask ALL personnel to use common courtesy and be sensitive to the needs of their fellow workers.

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 three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave 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.



Divine Services

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

Chaplain S. A. Casimano, LCDR, CHC, USN
 Chaplain G. L. Goodman, LT, CHC, USNR
 Chaplain G. E. Williams, LT, CHC, USNR
 Brian H. Zimmerman, Student Rabbi
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"The Christmas Story As Told By Christ"

The Christmas story? Perhaps it is better stated as a story about Christmas. Or better still, perhaps we should ask whose Christmas story we would prefer to read.

If we could ask Mary, she would have her own story to tell about Christmas. If we could ask Joseph, he would have his own. The shepherds who made it to the manger in Bethlehem would have theirs. And the Magi (wise men) from the east who followed a star to Jerusalem and finally to King David's city would have yet another.

But there is another story about Christmas which you perhaps have not considered. And that is the Christmas story according to Jesus Christ, Himself. Read these words:

"Sacrifice and offering you did not desire, but a body you prepared for me; with burnt offerings and sin offerings you were not pleased. Then I said, 'He I am - it is written about me in the scroll - I have come to do your will, O God.'" Hebrews 10:5-7 (NIV)

These are words spoken by Christ in heaven to His Father, revealed initially in the Old Testament (Psalm 40:6-8) and later quoted by the author who wrote the letter to the Hebrews. This is the story about Christ as told by Christ Himself before He was born, before He became flesh.

Christ tells us what is essential to the Christmas story. And this is often clouded in the commercialism of the Christmas season. It is often veiled in our ritualistically singing carols. What Christ said about Himself and His mission of salvation is more than the sentimental Christmas stories to which we have grown accustomed to hearing and reading.

According to Christ, God prepared a body for Him. God gave Him a body in order to die. Of all the people who have been born since God created Adam and Eve, Christ has been the only one who was born to die.

According to Christ, animal sacrifices, such as sheep and goats, were offered by the people of God for their sins. Christ unmistakably communicates to us that He came to die for sins other than His own. He set aside animal sacrifices because He Himself became the sacrifice. He put an end to the repetition of animal sacrifices because His sacrifice was once for all. He, the high priest, offered Himself only one time for people in all generations.

According to Christ, He understood that He was to come to earth to do His Father's will. His Father's will was that He be pierced for our transgressions and crushed for our iniquities. It was His Father's will that He would become obedient even to death on a cross. Christ, in His own words, was prepared to do His Father's will as it had been written about Him in the scroll.

"How silently, how silently The wondrous gift is given! So God imparts to human hearts The blessing of His heaven. No ear may hear His coming But in this world of sin, Where meek souls will receive Him, still The dear Christ enters in." -- Words and music from *O Little Town of Bethlehem* by Phillips Brooks, 1868.

By Lt. G.E. Williams, CHC, USNR
 Airfield Chaplain

Expert stresses holiday safety

"He gets a hold on you and makes you listen. It's as if there's nobody else in the room but him and you," said one member of an audience who had just finished listening to Jack Ware, a retired police sergeant known for his work in traffic safety. Ware draws on his experience as a state trooper and "blows holes" in the myths surrounding seatbelt use and traffic safety. As a special treat for NWC employees, as well as area

residents, this dynamic spokesman will be the featured speaker at the Naval Weapons Center's Holiday Traffic Safety Seminar scheduled for 2 p.m. on Dec. 13 at the NWC Theater.

Earlier in the day (9:30 a.m.), Ware will talk to the juniors and seniors at Burroughs High School about traffic safety.

Originally designed to teach travel safety to military personnel prior to the Christmas holidays,

the seminar has grown -- bringing its safety messages to military, DoD, contractor and civilian personnel alike. This is the first seminar to feature a nationally known speaker.

"This man is a powerful speaker and I think this seminar is the best we have ever had," said Phil Sodergren, Safety Program Office, "I hope everyone takes advantage of this opportunity to hear Jack Ware."

NWC offers many training opportunities

Systems Engineering (20 hours)
Jan 3-5, 0800-1600, Training Center. By Dennis Farrell.

Intended Audience: TMC students have first priority, then project engineers and technical managers.

Scope: Directed toward managers of programs and systems engineers, not at practitioners of engineering. A distinction is made between classical systems engineering and the management of systems engineering; an approach for planning for and executing systems engineering in a dynamic environment will be described. Will stress the importance of managing programs from a systems standpoint.

Deadline: December 15.
Computer Security for Automated Information Systems (32 hours)
Jan. 8-11, 0800-1600, Training Center. By William Coffron.

Prerequisite: Basic understanding of computer concepts would be helpful.

Designed for: System security officers, managers and security professionals that are responsible for the security operations of automated information systems.

Scope: Strategies in computer security require a variety of fundamental controls regardless of system configuration or processing application. This course will serve as a practical working guide in assessing a systems security posture, developing system security plans which address a variety of hardware and software issues and implementing effective security measures.

Deadline: December 20.
Navy Contract Management (24 hours)
Jan. 9-11, 0800-1600, Training Center. By Allen Cahill, consultant.

Prerequisite: Intended for TMC students, open to others as well on space available basis.

Scope: Designed to provide the technical manager with an overall understanding of the acquisition process from the planning for a solicitation through contract close-out. It concentrates on key activities required to award and administer a government contract. Included are such topics as technical manager/contracting officer relationships, acquisition planning, types of contracts, requests for proposal, proposal preparation, competition, source selection, modification, subcontract management, performance measurement and contract administration.

Deadline: December 22.
Fiber Optic Communication (40 hours)
Jan. 29-Feb. 2, 0800-1600, Training Center. By Jim Scott, Integrated Computer Systems.

Intended Audience: System and design engineers, technical managers, technicians and others responsible for specifying, designing, evaluating or maintaining fiber optic systems.

Scope: In this course, you will learn to work with and understand the design rules for fiber optics; evaluate components and avoid selection mistakes; test, troubleshoot and maintain fiber optic systems; specify fiber optic transmitters and receivers; create fiber networks using the latest network technology; evaluate third-party solutions to your fiber optic needs.

Deadline: January 8.
Advanced EO/IR Sensors (40 hours)
Jan. 22-26, 0800-1600, Training Center. By James W. Justice, Dr. Prentiss Robinson, Dr. C. David Bass, Dr. John C. Bortz, consultants.

Intended Audience: Engineers, analysts, program managers who have to write system specifications, evaluate performance, design EO/IR systems, and supervise development of EO/IR systems.

Scope: The following major topic areas will be covered: applications of EO/IR sensors; sensor performance, detectors, signal detection; filtering; tracking; infrared research and track (IRST) case study; imaging sensors and case study; systems effectiveness.

Deadline: January 3.
Custody Control Point (CCP) Procedures (12 hours)
Jan. 9-11, 0800-1130, Training Center. By John Hammonds.

Intended Audience: CCPs and alternates.

Scope: This class is for all custody control points and alternates. It will include a discussion of CCP responsibilities, duties and procedures. This "hands-on" class will cover classified document control, accountability procedures, custodial responsibilities, transmittals, markings/wrapings/addressing packages, accounting procedures, reproduction and distribution. There will be opportunities to share problems, methods of resolving them and "good ideas" that work for you.

Deadline: December 21.
Security for Coordinators Training (24 hours)
Jan. 23-25, 0800-1600, Training Center. By John Hammonds.

Intended Audience: Security coordinators and alternates and employees who anticipate performing duties as security coordinators.

Scope: This class will provide a working knowledge of classification management, downgrading, declassification, marking, access, control, dissemination, transmission, accountability, storage, destruction, custody control point procedures, security violations, security education, operations security, communications security and computer security.

Deadline: January 9.
Naval Messages (4 hours)
Jan. 26, 0800-1130, Training Center. By RM1 Smith.

Intended Audience: Employees who come in contact with Naval messages.

Scope: Covers the steps involved in drafting and typing the narrative type of Naval message, including the response of the drafter and releaser. Minimize procedures will also be covered.

Deadline: January 12.
The following are one-day overview classes for the TMC and SEC programs. They cover each specialty, what it is and why you need to know about it as a program manager, but not the nitty gritty of how to do it.

Quality Assurance -- Jan. 8, 0800-1600.
Integrated Logistics Support -- Jan. 12, 0800-1600.
Reliability/Maintainability -- Jan. 22-23, 0800-1130.
Cost Analysis -- Jan. 24, 0800-1600.
Configuration/Data Management -- Jan. 29, 0800-1600
Note: More complete outlines on any of the above can be obtained by call NWC ext. 2359.

To enroll in any of the above classes, submit a NAVWPNCEN Form 12410/73 to Code 224 by stated deadline.

Silverrun (32 hours)
Jan. 8-11, 0800-1600, Training Center. By XA Systems
 Limited to eight students. To

enroll, submit Training Form 12410/73 to Code 224 -- must include a job order number for \$750. No deadline, first come, first served. This class will also be offered March 26-29 and June 11-14.

4th Dimension - Level I (16 hours)
Jan. 9-10, 0800-1600, Training Center. By Acius Inc.

Limited to 14 students, first come, first served. No fee involved. This class will also be offered March 7-8. Level 2 will be offered March 5-6.

Spreadsheets Using Excel (16 hours)
Jan. 16-19, 1230-1600, Training Center. By Bobbi McDonald.

Limited to 14 students, first come, first served.

Filemaker (20 hours)
Jan. 22-26, 0800-1130, Training Center. By Daryl Vaughn.

Limited to 14 students, first come, first served.

The following courses are coordinated through Code 272

Introduction to UNIX (40 hours)
Jan. 22-26, 0800-1600, Training Center. By Alliant.
 Limited to 16 students.

Parallel Fortran Optimization (40 hours)
Jan. 29-Feb. 2, 0800-1600, Training Center. By Alliant.
 Limited to 16 students.

Ethical Responsibilities of Federal Managers (4 hours)
Scope: OPM's Regional Training Center, in response to need for more discussions of ethics, has scheduled a briefing on *The Ethical Responsibilities of Federal Managers* featuring Col. Kenneth H. Wenker, senior tenure professor and deputy head of the Department of Philosophy and Fine Arts at the United States Air Force Academy.

Presentation Method: 3/4-inch video -- self study.

Enrollment Form: Enrollment Form 12410/73 is required.

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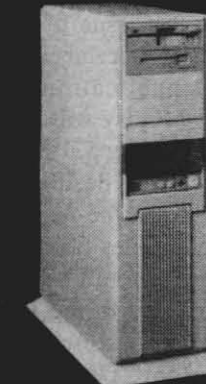
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Undergraduates have writing exam planned

On Jan. 12, the Upper Division Writing Competency Examination will be given. Cal-State Bakersfield undergraduate and Cal-State Chico undergraduate students may satisfy their writing competency requirements by passing this examination.

Cal-State Bakersfield undergraduate students must have completed at least 90 quarter units of college work prior to taking the exam. Undergraduate students planning to take the Cal-State Chico course CSCI 172, Systems Architecture, must pass the writing exam prior to the beginning of the course.

The examination fee is \$12. Checks must be made payable to Cal-State Bakersfield. Contact Helen Benes at NWC ext. 2648 to arrange to take the exam.

Dr. Madrigal visits Center

Dr. Orlando Madrigal of Cal-State University Chico will be on-center Jan. 8 to advise current and prospective students in the external degree programs offered by the school.

Cal-State University Chico has external degree programs in computer science which lead to bachelor's and master's degrees.

Those who wish to see Dr. Madrigal are asked to make an appointment by telephoning Helen at NWC ext. 2648.

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Cal State Bakersfield...

(Continued from Page 19)

dilemmas posed by the creation of a technology dependent economy. Requires intensive writing.

Note: This course satisfies General Education Goal XIII for CSUB students.

PSYCH 602: Seminar in Organizational Psychology (5 quarter units)

Jan 11-Mar 15; Thursdays, 1610-2110; Training Center. By Professor Sasaki, CSUB.

Scope: Examination and application of theories and concepts pertaining to the behavior of individuals in contemporary work organizations. Deals with those factors which affect positively and negatively the ability of individuals and groups of individuals to work effectively within the structure and climate of complex organizations. Topics deal with issues associated with individual

values, beliefs, attitudes and expectations as they affect the management processes, including leadership, decision-making, and communication.

Note: This is a core course for the master's degree program in administration through CSUB.

MATH 477: Experimental Design and Statistical Analysis (5 quarter units)

Jan 8-Mar 16; Monday thru Friday, 1130-1230, four hours lecture per week and one hour computer lab per week; Training Center. By Mr. Ron Merritt, NWC ext. 4652.

Prerequisite: Elementary Probability and Statistics is required, or consent of instructor.

Scope: Statistical inference using fixed, random mixed and split-plot models. Other topics include multiple and polynomial regression, analysis of covariance

and use of computers in statistical analysis.

Note: CSUN systems engineering students who have not had IE 501: Engineering Statistics or equivalent and who have not had an undergraduate course in Probability and Statistics are encouraged to take this course.

General Comments

1. Textbooks are available at bookstores locally.

2. Job-related courses other than those listed above or those offered under contract with Cal-State, Chico, Cal-State, Bakersfield, or Cal-State, Northridge, must be approved on an off-Center Training Request (DD Form 1556) before registration if NWC is expected to pay for the training.

For more information about these classes, contact Cecil Webb, NWC ext. 2648.

Register now for Computer Science Program

Following are classes being offered this spring for the Cal-State University, Chico (CSUC) Computer Science Program (bachelor's or master's degrees). To enroll in these classes, submit an on-center Training Request and Authorization Form (NAVWPNCEN 12410/73) via department channels to Code 224. Registration will be held at the first class meeting. *Deadline for enrolling is 10 calendar days before the starting date of the class.*

CSCI 256: Theory of Computing (3 units)

Jan. 30-May 18; Tuesday and Thursday, 1400-1515; Training Center (via satellite). By Professor Kent Woolridge, CSUC.

Prerequisite: CSCI 151: Algorithms and Data Structures or consent of instructor.

Scope: This course first covers formal descriptions of computers, languages and programs, then investigates correctness, behavior and complexity. Topics include formal grammars and the associated automata, unsolvable problems, recursive functions and post systems.

Note: This is a core course for the bachelor's degree in computer science through CSUC.

CSCI 397C-6: Software Design for Distributed Systems (3 units)

Jan. 30-May 18; Tuesday and Thursday, 0930-1045; Training Center (via satellite). By Professor Tom Voyda, CSUC.

Prerequisite: CSCI 152: Operating Systems Programming and CSCI 172: System Architecture or equivalent or consent of instructor.

Scope: Briefly covers the fundamentals of software design and overviews selected software design methodologies. Focuses on the design and implementation of distributed software for loosely coupled multi-processor systems or computer networks. A number of fundamental problems such as distributed mutual exclusion, synchronization, resource allocation, termination detection, consistency, fault tolerance and others are discussed, then recent algorithms for their solution are presented.

CSCI 397C-1: Seminar In Object-Oriented Programming (3 units)

Jan. 30-May 18; Tuesday and Thursday, 1230-

1345; Training Center (via satellite). By Professor Paul Luker, CSUC.

Prerequisite: CSCI 151: Algorithms and Data Structures or consent of instructor.

Scope: The advantages of object-oriented programming: modularity; abstraction encapsulation; extensibility and re-usability. Languages for object-oriented programming; including SIMULA, SMALLTALK, BETA and C++.

Note: This course satisfies the software engineering/systems analysis area for the master's degree through CSUC.

CSCI 152: Operating Systems Programming (3 units)

Feb. 3-4, Mar. 17-18, May 5-6; Saturdays and Sundays, 0800-1600; Training Center. By CSUC staff.

Prerequisite: CSCI 151: Algorithms and Data Structures or CSCI 171: Computer Architecture or equivalent or consent of instructor.

Scope: Operating system overview; process concepts; file management; memory management; I/O operations; scheduling and concurrency.

Note: This is a core course for the bachelor's degree in computer science through CSUC.

Math 477: Experimental Design and Statistical Analysis (5 quarter units)

Jan. 8-Mar. 16; Monday through Friday, 1130-1230, four hours lecture per week and one hour computer lab per week; Training Center. By Ran Merritt, NWC ext. 4652.

Prerequisite: Elementary probability and statistics is required; or consent of instructor.

Scope: Statistical inference using fixed, random mixed and split-plot models. Topics include multiple and polynomial regression, analysis of covariance and use of computers in statistical analysis.

Note: CSUN systems engineering students who have not had IE 501: Engineering Statistics or equivalent and who have not had an upper division course in probability or statistics are encouraged to take this course.

For more information about any of these classes, contact Cecil Webb, NWC ext. 2648.

MIPI alive and well at China Lake

Despite rumors to the contrary, the Model Installation Program (MIP) at the Naval Weapons Center is alive and well. Dave Hamilton, head of the NWC MIP Office, says they are receiving more initiative requests than ever before. He notes, however, the ideas are more complex and require more time to research.

Hamilton added there will be guidance from higher authority coming out in the near future directing Navy establishments to combine MIP and Beneficial Suggestion programs into a single, new program aimed at



prompting improved ways of doing business and saving money.

Model Installation Program Initiatives (MIPIs) have been highly successful at China Lake. Hamilton said the approved MIPIs have resulted in several million dollars of savings each year.

China Lakers with MIPI ideas are still encouraged to contact the MIPI office for assistance or submit their idea to Code 0121.

MIPIs can also be submitted via E-Mail to:

SCF: Hamilton
SCF: Macbruce.

CLPD offers advice to children, parents to ensure a safe and happy holiday time

The following is an important message to parents and children from the China Lake Police Department.

The Christmas Holiday Season is quickly approaching. Make sure your children stay safe to enjoy this and many other holiday seasons.

One way children learn how to act is by what they see and hear their parents do.

Mothers and fathers should set the best example for their children. It is up to you to teach your children the habits that will assist them in staying safe.

Children have a natural curiosity that can lead them into dangerous situations if parents have not taught them how to be cautious.

They must be reminded from time to time about the instructions for safety, for their memories are very short. This must be done from early childhood so that they will respond automatically when danger appears.

Teach your children that under no circumstances should they talk to, or get into a car with a stranger.

If a stranger does try to get them into a car, your children should be taught to run and scream as loud as they can. This is to draw attention.

If circumstances permit, your children should be taught to take the license number of the car, the description of anyone whose actions are suspicious, and report to you.

You, in turn, should report the incident to the police. On center, this can be done by calling 939-3323.

A lifetime of mental injury can be caused by one experience with a child molester. There are many cases where a child has been killed.

No one wants thos to happen to any youngster, especially his

own.

Remember, you are helping your children, and it could mean saving their lives. Don't put it off, talk to them now.

By Sgt. D. Polley
China Lake Police Department

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New professional recruiter takes over assignment

(Continued from Page 1)

They conduct on-location interviews with students to determine possible suitability for NWC employment. Backiewicz briefs the recruiters before and after recruitment trips. She also sits on a panel which rates the prospective employees on a broad spectrum of factors and weighs them against projected needs.

Another major effort of the position is coordination of the Center's co-op program. NWC employees are given financial support and part-time employment while they continue their education to become professionals in the critical fields of science, engineering and administration.

According to Backiewicz the greatest challenge ahead in recruitment comes from the Department of Navy's guideline for positioning itself toward Workforce 2000.

A picture of America's workforce in the year 2000 is based on the following projections:

- Women and non-whites will make up a growing share of the workforce.

- Occupations of the future will require more education.

- Reeducation in language, math and reasoning skills will be necessary in fast growing job areas.

- Office automation will continue to evolve.

- Population/labor force will decrease, creating more competition for skilled and educated workers.

Backiewicz arrived at NWC in December 1983 and worked for a short time as an administrative officer before moving to "Train-

ing' as an Employee Development Specialist, a position in line with her background specialty of program management. She projected, planned and acted as an advisor for training needs in various sectors on Center. Most recently Backiewicz developed a program to meet the DoD Sexual Harassment Prevention Training Mandate which ordered that all Center employees receive training in the subject by the end of FY-90.

"The five years I spent in the Human Resources Development Division gave me a good



Pat Backiewicz

overview of how NWC operates," she related. "I've worked with employees on all levels, as well as management."

The combination of that expe-

rience with her unique background makes her especially qualified for the recruitment coordinator position. Before coming to China Lake her career involved marketing a service, namely recreation. "My ability to sell will help me communicate to potential employees what NWC is looking for.

Backiewicz has an undergraduate degree in English and a Masters in Management. She graduated during the Vietnam Era and went to work for the U.S. Army as a civilian. From 1966 to 82 she performed recreation specialist duties overseas, programming and running facilities for military personnel and their dependents. She was in Okinawa from 69-71 working for the USO, in Korea from 79-82, and the rest of her overseas career was in Germany. In 1982 she returned stateside as the special services officer at the Marine Corps Logistics Base, Barstow (she was the first civilian to hold that position in the Marine Corps).

At a convention of the Mojave Desert Interservice League of Athletic Directors in Barstow, she first met her husband, Paul, head of the Morale, Welfare and Recreation Administration Branch at NWC. Their son, Patrick Paul, was born last year. Although her new job entails a lot of traveling, she's not worried about leaving him behind. "Paul is very cooperative. I can count on him to fill in when I'm not available," she said. She also

praised the excellent day care on Center. "I'm not a mom who feels disappointed if I don't see my child's first step or hear his first word. There's so many opportuni-

ties to watch him grow. It means a lot to me to have a professional career, and I'm pleased that my life worked out so I can have both career and motherhood."



My code is frequently using the PC Lab's services. We now have several contractors working in the code and it would be helpful if they could also use the PC Lab. Is this possible, or is the PC Lab only for government employees?

The PC Lab is open to everyone at NWC. However, there is one requirement in order for contractors to use this facility. An authorizing official from the code sponsoring the contractor must submit a written memo to the PC Lab identifying the contractor(s) and applicable Job Order number. Keep in mind that the PC Lab is located within the Michelson Lab complex and access is regulated. If someone needs access to the PC Lab and does not have an 'M' on their badge, a Special Area Access Pass may be checked out on a temporary basis from the sponsoring code.

I need to give some graphics files to someone who has a Macintosh, but my files are on an IBM PC. How do I arrange with the PC Lab to transfer these files?

First, transferring graphics files between IBM PC and Macintosh formats is a relatively new technology and not all graphics applications are currently supported. Contact the PC Lab to see if your application is supported. If it is, all you need to do is save your files to a 5 1/4" or 3 1/2" floppy disk and bring this disk to the PC Lab. The PC Lab will transfer your files to a 3 1/2" floppy disk for the Mac. As long as we're talking about file transfers, you can also move from Mac to IBM PC, and transfer text files as well.

Just a reminder for those of you submitting questions to be addressed in Compu-Chatter -- our guard mail address is Compu-Chatter, PC Lab, Code 2703. I will answer general questions in this column pertaining to computers, networks, PC Lab services, etc., as space and time permit. Keep those cards and letters coming.

By Bob Beane

American Legion, Post 684

Members & Invited Guests

Lunches - Monday-Friday

11 a.m. - 1 p.m.

Hamburgers	-	Chicken Sandwich
Cheeseburgers	-	Fries
Chili Size	-	Potato Salad
Hot Dog	-	Macaroni Salad

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December 11-15

Monday	-	Meat Loaf
Tuesday	-	Steak Sandwich
Wednesday	-	Mexican Plate
Thursday	-	Baked Ham
Friday	-	Shrimp Baskets

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December 8th, 15th, 29th Stillwater Band
December 31st - Just Us Band - New Year's Eve
Closed 6 pm Christmas Eve

Closed All Day Christmas - December 25th

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Soldering classes set

Two 40-hour high-reliability soldering courses to MIL-STD-2000 have been scheduled for government/contractor personnel needing certification as inspectors or operators. Both courses will be held from 7:30 a.m. to 4:30 p.m. at 543 Graaf Street. The first course will be held from Dec. 18-22 and the second course will be held from Jan. 8-12.

Requirements for the courses are (1) previous soldering experience and (2) a current eye examination.

Three 24-hour update recertification courses to MIL-STD-2000 have also been planned for government/contractor personnel requiring annual recertification as inspectors or operators. All three courses will be held from 7:30 a.m. to 4:30 p.m. at 543 Graaf Street. The first course is scheduled for Dec. 27-29; the second is set for Jan. 3-5; and the third is planned for Jan. 17-19.

The prerequisites for these courses are (1) previous certification to WS-6536 or DOD-STD-2000 and (2) a current eye examination.

To be scheduled into any of these classes, contact the Soldering Technology Training Center. Code 36812, at 446-5571.

Cerro Coso holds early registration in December

Cerro Coso Community College's early registration for continuing and new students will be Dec. 12 and 19. Regular registration for continuing students will be Jan. 3, 4, 5 and 8. Regular registration for continuing and new students will be Jan. 9, 10, 11 and 12. Schedules are available in the Training Center lobby.

For those enrolled in courses provided under the NWC/Cerro Coso Contract, the Center will pay full tuition. If it can be shown that courses are job-related or will strengthen the contribution to the Center's mission, tuition will be paid directly to the college by Code 224. NAVWPNCEN 12410/73 (Rev. 12-88) (Request for On-Center Training) must be submitted via department channels to Code 224.

If a course is not directly job-related, along with the NAVWPNCEN 12410/73, submit NAVWPNCEN 12410/66, Academic Enrollment Justification and NAVWPNCEN 12410/68, Individual Development Plan, describing how the course fits into your overall career plan and how attendance at the course will strengthen your contribution to the Center's mission.

Non-California residents submit DD Form 1556 (Request, Authorization, Agreement and Certification of Training and Reimbursement) via department channels to Code 224. A job order number is required on the DD Form 1556.

Code 224 will return the approved NAVWPNCEN 12410/73 or DD Form 1556 to you. Take it to Cerro Coso when registering in order for NWC to pay the tuition. Co-op students

Co-op students are not required to submit a NAVWPNCEN 12410/73 or a DD Form 1556 and should inform the registrar when registering that they are co-op students.

Enrollment deadline

Requests for tuition support (NAVWPNCEN 12410/73 or DD Form 1556) must be received by Code 224 at least three days prior to the employee's registration at Cerro Coso. This will allow the request to be processed and returned to the employee in time for registration. The approved forms must be taken to Cerro Coso when registering in order for NWC to pay the tuition. Employees who pay tuition will not be reimbursed.

If there are any questions, please call Cecil Webb, NWC ext. 2648.



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CSUB reveals winter courses

The following classes are being offered this winter for the Cal-State University, Bakersfield (CSUB), bachelor's degree in business administration and the master's degree in administration programs. To enroll in these classes, submit an On-Center Training Request and Authorization Form (NAVWPNCEN 12410/73) via department channels to Code 224. Registration will be held at the first class meeting. *Deadline for enrolling is 10 calendar days before the starting date of the class.*

MGT 301: Quantitative Methods for Business Decisions (5 quarter units)

Jan. 11-Mar. 15; Thursdays, 1610-2110; Training Center. By Professor Vigen, CSUB, (805) 664-2326.

Prerequisite: Math 20: Basic Functions and Calculus For Business, and Math 22: Elementary Probability and Statistics, or equivalent, or consent of instructor.

Scope: An introduction to the application of quantitative methods and information systems, including computer applications in business and industry. Information processing, allocation of resources, network analysis, and inventory planning are among the models examined as they relate to the management decision-making process.

Note: This is a core course for the bachelor degree program in business administration through CSUB.

ADMIN 477: Types, Applications and Structuring of Contracts (5 quarter units)

Jan. 10-Mar. 14; Wednesdays, 1610-2110; Train-

ing Center. By Martha Slayton, NWC ext. 2987.

Scope: Review of various types and forms of government contracts. Will include a brief look at how the various types of government, i.e., city, state and federal, conduct procurement and types of contracts used. This will include choice of type of contract considering the statement of work and potential risk, how the various types of contracts work, how to structure the different types of contracts and how to consider contract administration when structuring a contract. Different contract types will include incentive and award fee contracts.

Note: This course satisfies a business elective for the bachelor's degree program in business administration through CSUB. The course also serves as an elective in the upcoming UCSB Government Contract Administration Program scheduled to begin April.

SOC 405: Technology and Society (5 quarter units)

Jan. 8-Mar. 26; Mondays, 1610-2110; Training Center. By Professor Travis.

Scope: This course examines the reciprocal relationship between technology and society, emphasizing the manner in which technological changes alter basic social institutions, including the family, religion, the military, and even science itself. Special attention is given to the positive and negative impacts of technology on the individual and the

(Continued on Page 20)

Personnel news and notes...

(Continued on Page 19)

Recreation Division. Incumbent will perform various clerical duties consisting of, but not limited to, the following: act as receptionist; handle new memberships for the gym; handle accounts receivable/billing; originate facility requests; prepare contracts for classes; prepare purchase requests; typing and filing; prepare and verify Daily Activity Reports; prepare time sheets for the Athletic Director's signature; prepare various monthly reports;

schedule meetings and appointments for the Athletic Director; distribute publicity; assist in developing of schedules for leagues and tournaments; assist in inventory of athletic equipment and supplies, and issue equipment to authorized users. **Job Relevant Criteria:** Must be able to type, operate an adding machine and a duplicating machine. Must be able to use and understand written directives. Must be able to work with figures and money and make proper change.

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Personnel news and notes

(Continued from Page 17)

No. 62-082, Electronics Technician, DT-856-2/3, Code 62321 - This position is located in the RF Targets Section, RF Targets Branch, Instrumentation Systems Division, Range Department. Incumbent will design, fabricate, operate and maintain RF Targets used for missile testing on NAVWPNCEN North Ranges. Anti-Radiation Missile background or radar operating experience is desired but not required. **Job Relevant Criteria:** Knowledge of microwave; knowledge of digital design techniques; knowledge of electronic test equipment; ability to communicate effectively both orally and in writing with all levels of personnel, including contractor personnel; ability to modify existing equipment to meet customer needs; ability to troubleshoot and repair existing equipment. Promotion potential to DT-3, but not guaranteed.

No. 92-001, Meteorological Technician, GS-1341-9, Code 092 - This position is located in the Naval Oceanography Command Detachment. The incumbent provides flight weather briefings for operational and training flights as well as complete weather forecasts and observations required for military

operations. This includes flight briefings, aviation forecasts, surface forecasts, destructive weather warnings; performs numerous complicated and technical tasks that require considerable supplementation, interpretation, or elaboration to meet user requirements. Extensive decoding, plotting, and systematic recording of data related to atmospheric conditions. During periods of severe weather, the incumbent is subject to recall and may be required to work lengthy periods without relief or assistance. Secret security clearance is required. **Job Relevant Criteria:** Knowledge of meteorological/oceanographic methods and practices; ability to manage/oversee functions of major weather facility; ability to communicate orally and in writing; and knowledge of Navy and FAA regulations concerning and relating to weather forecasts for aviation flights. Status eligibles may apply. Applicants outside of commuting area are eligible to apply. Please submit SF-171, most recent performance appraisal and a Background Survey Questionnaire to: Naval Weapons Center, Human Resources Department, Code 226, Attn: R. Cracraft, China Lake, CA 93555, by closing date: 12/22/89.

Secretarial opportunities

This column is used to announce secretary positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below.

Applicants will be rated against four or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

Unless otherwise indicated, applicants for branch secretary will be rated on elements 1/2/3/5/8; division secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office secretary applicants will be rated on elements 1/2/3/4/5/8/9; and department secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

No. 20-018, Secretary (Typing), DG-318-1/2, Code 20 - The incumbent will provide secretarial and administrative support to the Quality Review Group (soon to be the Quality and Productivity Improvement Directorate, Code 05). Knowledge and working skill on the Macintosh PC is desirable. Promotion potential to DG-3.

Non-appropriated funds

The following vacancies are not Civil Service positions. These positions are paid for from non-appropriated funds and are administered in accordance with policies established by the Department of Defense. Persons selected for these positions have no Civil Service status and are not eligible for appointment to positions in the Civil Service. Persons interested in applying for these positions should fill out a standard application form (SF-171). Applicants need not be presently employed in a Non-Appropriated Fund Instrumentality (NAFI) position, nor must they be employed at the Naval Weapons Center. The SF-171 should clearly be marked "NAFI" on the top and should have the appropriate announcement number listed in Block 1 on the form. Completed applications can be delivered to Room 100 or to Room 120 in the Personnel Building or can be mailed to: Naval Weapons Center, Personnel Dept. (Code 226), ATTN: NAFI Service Team, China Lake, CA 93555-6001.

No. 22-8941, Publicity Clerk (Typist), AS-303-3, \$5.21 - \$6.06, Code 22913, Intermittent Schedule. This position will require working 19 hours per week performing the following duties: paste-up layout; delivering material to various codes on Center; general secretarial duties; some writing; and other duties as assigned. This position requires much flexibility as it is a support position to the Morale, Welfare & Recreation Advertising Director. This position would be beneficial to an individual with interest in Advertising or Graphic Arts. **Job Relevant Criteria:** Applicant must possess a valid drivers license.

No. 22-8942, Operations Clerk (Typing), AS-301-4/5, \$5.63 - \$7.05, CODE 2294, Permanent Full Time. This position is located in the Sports Branch of the Morale, Welfare & Recreation Advertising Director. (Continued on Page 19)

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AIM-9R brings TD Awards for two at NWC

(Continued from Page 1)

in the design they have formulated, it will be possible to improve the missile performance continuously, throughout its life, with future upgrades to the software package that can be easily implemented."

Bailey was extremely pleased with the award, saying she had envied previous recipients and calling the experience a high point in her life. She works in the Missile Software Branch of the Concept Development Division.

Smith, who developed the missile simulation for the AIM-9R, was also recommended for the award by Bullard. The letter of recommendation explained "By virtue of our ability to simulate, prior to flight, what the missile is going to do we are able to spot deficiencies and correct them in a lab environment before committing expensive hardware to the rigors of actual flight testing...Because the AIM-9R represents the first air-to-air imaging system, a whole new imaging simulation capability had to be developed in conjunction with the missile itself." Bullard related, "Bob was brought into the program because of his unique talents in simulation and in control theory and because of his analytical capabilities...At each step of the way, he and his team have tested the system hardware in the Hardware in the Loop simulation lab and have verified that the design is suitable...They were able to speak with conviction that the design was ready and their conviction was vindicated by the totally successful first firing, a success which is nearly unprecedented on a system as complex as AIM-9R."

Commenting on his involvement in AIM-9R and other product improvement programs, Smith related how much he enjoys working on the Center's "smoke and fire" weapon systems. He is employed in the Missile Systems Engineering Office of the Missile Systems Division.

Porter applauded the technical expertise and leadership abilities of both recipients which, in the face of previously unsolved problems, are a significant factor in the success of the AIM-9R. "Presenting this award is one of the most pleasurable aspects of my job," he said as he gave his sincere congratulations for a job well done.

Babysitting clinic open Tuesday

Once again the First Division will present a Christmas vacation "Babysitting Seminar" for boys and girls 12-18 years of age. The seminar will be held on Tuesday, Dec. 12, from 6 to 8 p.m. in the NWC Conference Center. The seminar will feature:

1. "Medical Emergencies" by Joan Gaska, registered nurse, Branch Medical Clinic.
2. "Keeping the Home Secure"

by Sergeant Ron Lewis, China Lake Police Division.

3. "In the Event of a Fire" by Inspector Michael Haynes, China Lake Fire Division.

4. A babysitting certificate will be presented to the youth attending by the Optimist Club.

Parents may attend this seminar if they wish to do so. Advance registration is not necessary.



STRONG TEAM LEADERS--Michelle Bailey and Robert Smith (far right) are the Center's latest recipients of the Technical Director's Award for their efforts on the Sidewinder AIM-9R. Sandy Rogers (far left), acting head, Intercept Weapons Department, and Wayne Doucette, AIM-9R project manager, were on hand to congratulate the two. Photo by PHAN Cary Brady

APADE query system goes on line

(Continued from Page 1)

first site (government or industry) to have a full screen interactive Tandem/Digital VT terminal interface. This product, called AMVT100, implements an access method that enables the Digital VT series of terminals to access Tandem application programs. Steve Sutton, the Tandem Systems Manager, teaming with Gemini Communications, is responsible for this exciting development. He has been a prime developer on PDAS (Personnel Data Access System) as well as FINDSTUB.

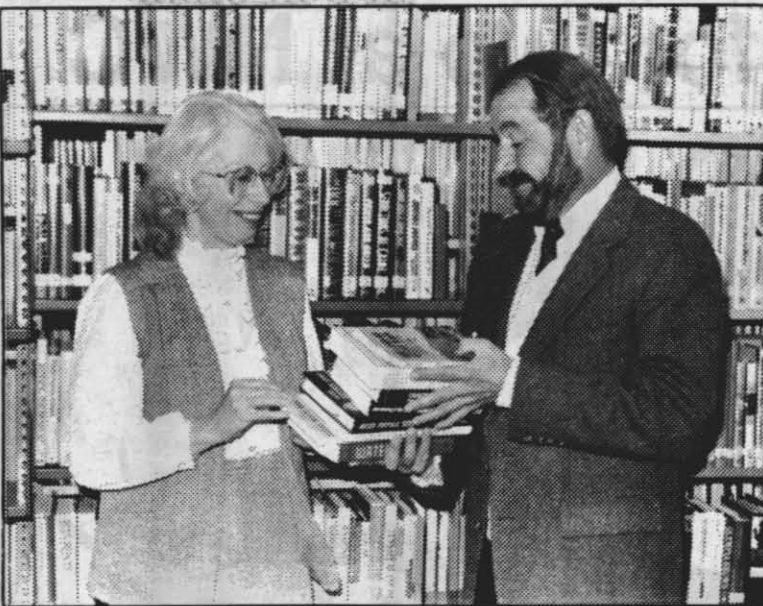
The Tandem computer system which runs APADE, is ideally

suited for high-volume, on-line transaction processing applications (the New York Stock Exchange runs on it). It utilizes high-performance, multiple parallel processors with fault-tolerant operation to minimize downtime. Terminals which are connected to terminal servers communicate with the Tandem Computer system via a local area network gateway using local area transport communications protocol over the NWCNet Ethernets. This gateway establishes a session with the Tandem Presentation Interface software running on the Tandem. The gateway handles the data conversion necessary for the

VT terminals to communicate with the Tandem.

Currently, only small purchase data are available in the system. This is because APADE was developed in phases and NWC implemented phase III, automation of small purchases. Planning for phase IV, which includes major contracts, is underway and implementation is expected next year.

Code 25 considers center-wide query access to APADE yet another milestone in continued improvement. Procurement personnel are prepared and able to assist with access procedures and interpretation of data in APADE.



IN FOND MEMORY--Upon the death of Frances Matthews, a long-time member of the Technical Information Department, co-workers decided they wanted a lasting memorial of this worker who was one of TID's first employees when it was created in 1954. Instead of flowers, a collection for books was taken among Matthews' co-workers and friends. Enough money was raised for nine books, all reflecting some part of the desert, which fascinated Matthews. In the photo above, Elizabeth Shanteler, head, Center Library, accepts the books from Steve Sanders, head, TID, on behalf of the Center Library.

Public Works restores warmth to all on-Center housing units

Housing says...The heat has been turned on in all Center housing units. Occupants are encouraged to set their thermostats no higher than 65 degrees F. during the heating season. Thermostat settings for nighttime and short periods of nonoccupancy should

be reduced to 55 degrees F., with even lower settings for extended periods of nonoccupancy.

Exterior doors and windows should be kept closed during the heating season except as required for proper ventilation.

Blood drive set next Tuesday

Tuesday marks the final 1989 visit of the Houchin Blood Bank to the Indian Wells Valley. Blood donors can give blood from 1 to 6 p.m. at the Elks Lodge on East Church Ave.

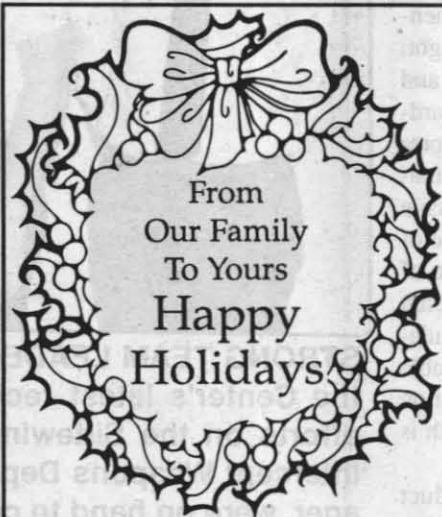
No appointments are necessary.

Old Crows set meeting Monday

Dick Pawloski will give "An overview of Soviet Air Power" during the Association of Old Crows' next meeting on Monday, Dec. 11. Pawloski works for the Threat Analysis/Military Requirements Division at General Dynamics. This SECRET presentation will begin at 5 p.m. in Michelson Lab Conference Room 1000D.

Because of the SECRET classification, an NWC employee's badge or contractor's badge with appropriate access to Michelson Lab is required. Alternatively, send a clearance message to NWC Security stating you wish to attend the Old Crows presentation.

People planning to attend, or with questions, should call Yvonne Belman at 446-1224 or Kathy at 446-7961.



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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 Friday, 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.

No. 00-010, Facility Management Specialist, DA-1640-1/2, Code 0034 - This position is located at the Conference Center (old CPO Club) and functions as an element of the Public Affairs Office. Incumbent schedules and coordinates the use of conference facilities (CPO, COM, and theater); schedules the maintenance, repairs, and cleaning of the buildings, and ensures the needs of the users are met before and during meetings, including audio/visual requirements, supplies, message service, etc. **Job relevant criteria:** Knowledge of NWC organizational structure and programs;

ability to work with all levels of management; understanding of set-up and operation of video equipment. Promotion potential to DA-2.

No. 28-069, Computer Specialist, DS-334-1/2/3, Code 2842 - This position is located in the Computer Resources Management Branch, Financial Information Systems Division, Office of Comptroller. The incumbent provides support to Code 28 in the areas of PC software development, data communications hardware/software, and PC Local Area Networks (LAN). **Job relevant criteria:** Knowledge of

data communication principles; knowledge of off-the-shelf personal computer software; ability to analyze and resolve personal computer software and hardware problems; ability to deal with technical and non-technical personnel; ability to communicate effectively both orally and in writing. Promotion potential to DS-2.

No. 28-070, Supervisory Program Analyst, DA-345-1/2, Code 2854 - This position is located in the Travel Branch, Customer Services Division, Office of Comptroller. The incumbent serves as the branch head of travel. Responsibilities include supervisory and management tasks associated with a branch level organization and overseeing the computation of travel entitlements and the processing of travel requests and claims. Serves as program manager for the Travel Status System (TSS) and the Microcomputer Claims Processing System (MCPS). **Job relevant criteria:** Knowledge of and ability to support NWC/EEO goals and objectives; ability to work with minimal supervision; ability to interpret higher level regulations; ability to interact positively with all levels of NWC employees; ability to communicate orally and in writing. Knowledge of and ability to use automated travel systems (TSS and MCPS). New supervisors will be required to serve a one year supervisory probationary period. Promotion potential to DA-2.

No. 31-092, Computer Scientist, DP-1550-2/3, Code 31122 - This position is located in the A-6/A-7 Facility Section, A-6/A-7 Facility Branch, Avionic Facilities Division of the Aircraft Weapons Integration Department. The integration workstations for the development, test, validation, verification and modification of Operational Flight Programs (OFF) exercised in the tactical computers of the A-6 aircraft. The incumbent is a member of the software development staff responsible for real-time simulation software engineering and development. The incumbent is responsible for developing software in Fortran in support of the A-6 Weapon System Support Facility and the Ada Design Language in support of the integration of advanced avionics sys-

tems. **Job Relevant Criteria:** Knowledge of Ada, Fortran, and Pascal; knowledge of avionics systems engineering principles; ability to perform requirements analysis, design, coding and test of real-time simulation software; Must be able to obtain a Secret clearance. Status eligibles may apply. Promotion potential to DP-3.

No. 62-074, Electronics Technician, DT-856-1/2/3, Code 62544, Multiple Vacancies - This position is located in the Range Communications Section of the Range Support Branch, Data Systems Division, Range Department. Incumbent will install and maintain electronic communications equipment. Incumbent will work closely with engineering personnel in the design, operation, and development of electronic communications systems. **Job Relevant Criteria:** Ability to develop and interpret schematics and engineering drawings; ability to troubleshoot digital and/or analog circuits; skill in installation, maintenance, and repair of electronic equipment; knowledge of telecommunications equipment and systems; ability to analyze technical data. Promotion potential to DT-3. Previous applicants need not reapply.

No. 62-076, Supervisory Interdisciplinary (General/Mechanical/Electrical Engineer), DP-801/830/850-3, Code 6223 - This position is Head of the Ground Operations Branch located in the Range Operations Division of the Range Department. The incumbent will supervise and manage the resources of the Branch involved with preparations, conduct and data collection for missile, rocket and gun test performed on the NAVWPNCEN ground ranges. The incumbent is responsible for maintenance and security of the facilities and equipment used by the Branch. The Branch Head is a member of the Range Safety Committee and serves as a consultant and advisor to project engineers and program sponsors conducting tests on the ground ranges. **Job Relevant Criteria:** Knowledge of ordnance handling safety procedures; knowledge of range operating procedures; ability to perform as a first-line supervisor; ability to communicate both orally and in writing; ability to influence and motivate others; knowledge of, and willingness to support NAVWPNCEN's EEO policies. A one-year supervisory probationary period may be required. Promotion potential to DP-3, but not guaranteed. Previous applicants need not reapply. (Continued on Page 18)

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No. 62-077, Supervisory Engineering Technician, DT/DP-802-3, Code 6223 - This position is Head of the Ground Operations Branch located in the Range Operations Division of the Range Department. The incumbent will supervise and manage the resources of the Branch involved with preparations, conduct data collection for missile, rocket and gun tests performed on the NAVWPNCEN ground ranges. The incumbent will review Test Plans and Operation Procedures to assure safety of the operation. The incumbent supervises the handling of ordnance items in all phases of storage, modification, assembly and firing. The items range from 20MM to 5 inch gun rounds as well as rockets and missiles ranging from 2.75-inches to VLA. The incumbent is responsible for maintenance and security of the facilities and equipment used by the Branch. The Branch Head is a member of the Range Safety Committee and serves as a consultant and advisor to project engineers and program sponsors conducting tests on the ground ranges. **Job Relevant Criteria:** Knowledge of ordnance handling safety procedures; knowledge of range operating procedures; ability to perform as a first-line supervisor; ability to communicate both orally and in writing; ability to influence and motivate others; knowledge of, and willingness to support NAVWPNCEN's EEO policies. A one-year supervisory probationary period may be required. Promotion potential to DP-3, but not guaranteed. Previous applicants need not reapply. (Continued on Page 18)

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DOES IT FIT?--Doug Bethke shows LN2 (AW) Frederick E. Peeler, PH1 James C. Jaworski and YNSN Denise R. Koster how the skis trapping works. People wanting to rent boots, skis and poles from the Gym Gear Issue should call Bethke, a certified ski fitting attendant, at NWC ext. 6542 three to five days prior before the equipment is needed for a proper fitting.

Cars, trucks, more now sold at local Lemon Lot

Looking for a used car? Don't forget to check out the vehicles displayed on the Lemon Lot, located in front of the Auto Hobby Shop on Inyokern Road. As of Dec. 5, the following vehicles were being shown:

Coleman Lite Trailer, '78 Honda Civic, '79 Ford F-250 Pick-up, '83 Pontiac 6000, '69 Ford F-350 Pick-up, '82 Plymouth Sapporo, '85 Oldsmobile Calais, '87 Toyota 4x4 Pick-up, '87 Lincoln Continental and '83 Ford F-100 Pick-up.

Questions concerning the Lemon Lot should be addressed to the Auto Hobby Shop, NWC ext. 2346.

Cool and dry weather was typical October

October was another cool and dry month in the Indian Wells Valley. The last 100 degree temperature for the summer season occurred on Sept. 24 and the first freezing temperature for the winter season took place on Oct. 26.

As the month began, low pressure was along the western U.S. and a weak cold front moved through the area on Oct. 2. High pressure at the surface prevailed from the 5th through the 18th.

A tropical jet stream brought high clouds to the region from the 11th through the 14th and an upper level disturbance caused a few sprinkles on the 14th.

High clouds once again influenced the weather on the 19th. Winds were southerly and smoke moved into the region from a forest fire near Camp Pendleton.

The area's weather was unsettled from the 21st through the 25th with a cold front moving through on the 22nd and 25th. Showers were observed during this period, with precipitation amounts generally less than 0.02 of an inch. A fog bank was recorded on the morning of the 23rd over the northern portion of the valley.

Strong high pressure was present from the 26th through the month's end and caused mild Santa Ana winds through coastal passes and canyons. This high pressure brought clear skies and light winds to our region and allowed for maximum night time radiation, resulting in unseasonably cool early morning temperatures.

Rental ski gear now available on-Center

Call NWC Gym for fitting appointment

With ski season beginning, snow enthusiasts are starting to look at their winter gear. But many military members might not have room for the bulky ski equipment and some people prefer to get more experience under their belt before they shell out the bucks to buy their own equipment. What can they do?

They can check out the ski equipment available at the Gymnasium Gear Issue. Currently, Gear Issue has skis, boots and poles for rent. According to Doug

Bethke, a certified ski fitting attendant, cross country skis will be available within the next week or so. Prices vary depending on the days and the length of time the equipment is needed and the status of the renter -- military, DoD or other.

Before skis can be issued, they must be fitted. Ski fitting appointments may be made by calling NWC ext. 6542, Monday through Friday from 8 a.m. to 4 p.m. Appointments should be made three to five days prior to the trip.

New hours scheduled for Officers' Club pool

New hours will be in effect for the O'Club pool beginning December 18. The new hours are as follows:

Weekday hours -- Lap swim: 10 a.m. to 1 p.m. and 5 to 6:30 p.m.
Weekend hours (Saturday, Sunday and holidays) -- Lap swim: 10 a.m. to 2 p.m.

There will be no more open swim period.

Anyone who has any questions regarding these new hours should call Elaine Arnell at NWC ext. 3387.

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Ethical standards apply during holidays too

The festive Christmas season is here again! Invitations for get togethers, parties and open houses are starting to brighten spirits. To ensure that this happy season will bring only pleasant memories, the NWC Office of Counsel has collected some of the most commonly asked standards of conduct questions and provided answers. This year the information is more important than ever in view of ongoing investigations in Washington such as Operation III Wind and also because the Navy Standards of Conduct regulation has been recently revised.

At the outset, please keep in mind that SECNAVINST 5370.2J is the controlling directive. remember that a gratuity is "any gift, favor, entertainment, hospitality, transportation, loan, or other tangible or intangible item or benefit, including discounts, passes, and promotional vendor training, given or extended to or on behalf of DoN personnel or their immediate families or households, for which retail market value is not paid by the recipient or the United States Government." Finally, the term "contractor", as used in these questions and answers, refers to the company as an entity, and, it also includes an individual "contractor employee" who is acting in his/her official capacity as a representative of the company. It does not include an employee of

the contractor who is acting in his/her private capacity.

1. May I exchange gifts with a co-worker or friend employed by an NWC contractor?

So long as the gift exchange is done on a purely personal basis, there is no violation of Standards of Conduct. This means that a relationship other than work-related must exist; the gift from the contractor employee must be paid for with personal funds, not a company expense account; the exchange should not take place as part of a Code function; and the exchange should not take place on Government property during working hours. Examples of relationships that are not "work-related" would include relatives, fellow club members, neighbors, church members, neighbors, church members, etc.

2. Is it alright to attend a party hosted by a contractor as an invited guest, or as the date or spouse of an employee?

No matter how innocently tendered or received, acceptance of gratuities from DoD contractors can embarrass the Department and impair public confidence in our institutional and individual integrity. Accordingly, unless a specific exception to the general prohibition permits a gratuity to be accepted, DoN personnel must refuse it. Since a party hosted by a contractor is within the definition of "gratuity," acceptance of an invitation is not permitted. The

one exception is if the Government employee is attending the party as a spouse of a contractor employee and all contractor employees are permitted to bring spouses.

3. Can I attend a party given by a neighbor or friend who is a contractor employee but who is not acting on behalf of his or her employer in giving the party?

In this instance a Government employee may attend the party. However, understand that an appearance of impropriety charge may be levied against the Government employee by an anonymous caller to the Inspector General or DoD Hotline.

4. Is there a conflict of interest when a contractor employee attends a party given by Government employees at work or away?

The Standards of Conduct are intended to guide the actions of Government employees. While there is not a definitive restriction against the acceptance of a gratuity by a contractor employee, their attendance at parties given by Government employees at work could create the appearance of an impropriety. There are occasions, however, such as farewell parties, where the appearance of impropriety may be less auspicious. Nonetheless the appearance of an impropriety is a factor to be considered. Attendance by contractor

employees, in their private capacity, at a party given by government employees, in their private capacity, away from the work site is entirely permissible with the caveat expressed in question 3 above.

5. What is considered "nominal" value?

Nominal value is defined as "retail value in the U.S. of \$10 or less." It is important to remember that the issue of whether or not a gift is of nominal value only pertains to gifts given to supervisors to mark significant personal occasions. It has no bearing on the acceptance of gratuities from contractors.

6. How can I refuse a gift or invitation and not alienate friends/coworkers?

We assume that a "friend" is someone with whom you have a personal relationship and so long as the guidelines stated above are followed, there is not need to refuse a gift or invitation. If the individual is a co-worker, without any personal relationship, the gift or invitation can be refused politely with an explanation that the Standards of Conduct regula-

tions prohibits acceptance of such gifts.

7. May employees contribute toward a gift for their boss?

Assuming that this question refers to a Christmas gift, the answer is No. In addition to certain other conditions, gifts to superiors must be presented to mark "significant personal occasions." Christmas does not meet this condition.

8. Is an employee allowed to accept a gift from his/her supervisor?

The restrictions only apply to gifts from a subordinate to a supervisor.

10. What are some common sense guidelines between spouses or close friends who may encounter a conflict of interest?

If a conflict of interest problem is perceived, the facts of the situation should be reported immediately to either an immediate supervisor, department head, or the cognizant Ethics Counselor. For Center civilians, the cognizant ethics counselor is John Unpingco, Counsel, NWC ext. 3481/3482, and for NWC military personnel, it is LCDR McDonald, NWC ext. 2203.

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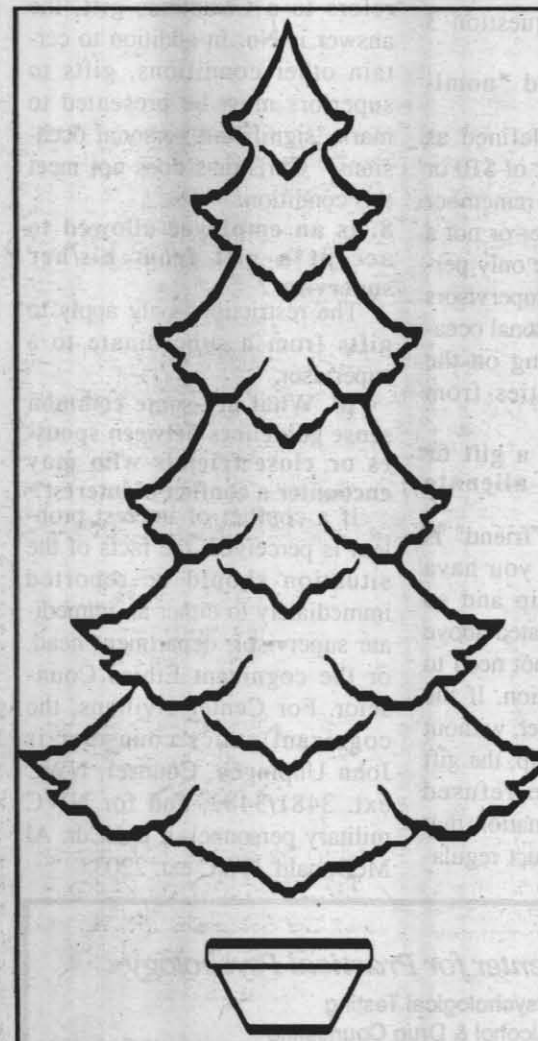
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Fire fighters offer safety advice

Following are Holiday safety reminders from the Naval Weapons Center Fire Department.



Christmas Lighting:

1. Purchase lights that have been checked for safety. Look for the UL label.

2. Check your tree lights and outdoor lights each year before you use them. Look for frayed wires, loose connections, broken or cracked sockets and spots where bare wire is exposed. Any set that is damaged should be discarded.

3. After inspecting lights, place them on a fireproof surface and leave them on for 15 minutes. Replace any which show evidence of overheating such as smoke or melting.

4. Careful handling of lights during unpacking, decorating and repacking will lessen the chance of damage.

5. All lights should be fastened securely to the tree. Higher wattage bulbs (those which get hot) should not come into direct contact with the needles or branches. The California

State Fire Marshal (SFM) recommends using only UL approved miniature lights.

6. Don't put more than three

set of lights on any extension cord. Do not connect more than 200 mini-lights through one string or cord. Keep the connection joints away from the water supply of a live tree.

7. Curtains and other flammable materials should be kept away from bulbs.

8. Never run cords under rugs, through door jams, behind radiators or across walkways.

9. Any outdoor lights should be weather proof and clearly identified as designed for outdoor use. Don't try to use indoor lights for outdoor lighting. Remove outdoor lighting as soon as the season is over; even these lights are not designed to withstand prolonged exposure to the elements.

10. When you leave the house or retire for the evening, be sure that all lights are turned off by unplugging them from the wall outlet. Always disconnect any electric appliance by grasping the plug, not by pulling on the cord.

Artificial Trees:

Many artificial trees are fire resistant. This does not mean that the tree will not burn, but only

that it will not catch fire easily. If you buy an artificial tree, look for a statement specifying the duration of this protection.

Metal Christmas trees present no fire hazard themselves. However, they can be a serious shock hazard if electrical lights are attached to the tree. Sharp metal edges may cut the cord insulation or touch an electrically charged component. Either way, the whole tree will become electrically charged, and anyone touching the tree and a grounded object at the same time could receive a severe shock. The only way to safely light a metal tree is to use colored floodlights in different areas of the room.

Natural Trees

The most important safety factor of a natural tree is its freshness. The higher the moisture content of the tree, the less likely it is to dry out and become a serious fire hazard. The following tips will insure you have the freshest -- and the safest -- tree possible:

1. Select a tree with needles

that do not pull easily from its branches or break when gently bent.

2. Consider professional spraying with a approved chemical flame retardant.

3. Clean the tree stand with a mixture of one cup of water and a capful of bleach.

4. Re-cut the trunk diagonally one or two inches above the old cut and immediately place in water.

5. Keep the water level in the tree stand above the cut line.

6. Consider using a commercial floral preservative in the water.

7. Place the tree away from heat sources, being careful not to block exitways.

8. Turn down room heat when leaving the house or retiring for the night.

9. Check tree lights carefully for damage.

10. Do not leave lights on for long periods of time.

11. Remove the tree as soon as possible after the holidays.

12. Never burn a tree in a fireplace or wood stove.

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Santa's 5K race takes off tomorrow

Walkers and runners, the second annual Santa's Helper 5K Walk/Run will be held tomorrow, Dec. 9. This sporting event is held annually to benefit the Ridgecrest Women's Shelter Network.

The 5K will start and finish at the NWC Youth Gym on the corner of Richmond Road and King Avenue. Sign-ups start at 8 a.m. with walkers starting at 8:45 a.m. and runners starting at 9 a.m. A tax

deductable donation (i.e. run fee) of \$12 includes a t-shirt, awards and prizes.

For additional information, call Melissa Dukes at the Women's Center Business Office, 446-7491.



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25-40% OFF

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For who?



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Novelty fleece sets. Choose from a wide variety of styles and colors. Orig. \$60. **Sale \$39.97.**
Selected famous maker Missy coordinates. Choose from pants, skirts, blouses and jackets. (Petite sizes available in selected stores) **Sale 33% off.**
Gilda blouses. Long and short sleeve styles in a variety of Fall prints. (Fuller fashion sizes available in selected stores) Orig. \$15.99-17.99. **Sale 33% off.**
Selected dresses. **Sale 33% off.**
Entire stock of coats. **Sale 25% off.***

Selected Junior sweaters. Sizes S-M-L in a variety of styles and colors. **Sale \$19.97.**
Junior leggings. Sizes S-M-L. **Sale \$11.97.**
Selected Bueno vinyl handbags. Orig. \$30. **Sale \$19.97.**
Knit cocoons. Reg. \$20. **Sale 33% off.***
Selected styles of fashion lucite jewelry. **Sale 33% off.***
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CHECKING IT OUT--Dr. Robert Berry, a certified flight instructor-instrument, and Larry Warkentin, China Lake Navy Flying Club's vice president, check various routes between NWC and Los Vegas in their new room quonset hut next to the club's old shack out at X-Pad. Photo by PHAN Cary Brady.

Deadline approaching for DFG photo contest

California's outdoor shutterbugs must submit their favorite photographs to the Department of Fish and Game no later than Dec. 29 if they are to be considered in this year's contest.

Winning submissions will be displayed in a special edition of *Outdoor California*, the DFG's bi-monthly magazine. The overall winner typically has his or her photograph displayed in the State Capitol and is offered an opportunity to accompany state fish and game staff members on a field trip. In the past, such field trips have included bighorn sheep, pronghorn antelope and tule elk relocation efforts.

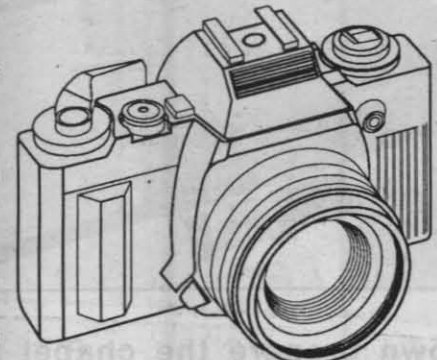
Contest rules allow for a vari-

ety of snapshot categories, including color and black-and-white film submissions for fish, invertebrates, reptiles, birds, mammals and natural landscapes. A relatively new category -- "Outdoor Recreation" -- allows

contest participants to enter story-telling photographic renditions of Californians at play in the state's bountiful natural environment.

Entries will be reviewed by a panel of judges with first, second, third and honorable mention places awarded for each separate category.

For more information on the contest, contact the nearest DFG Regional Office or the DFG Conservation Education office in Sacramento at (916) 445-7613.



Local flying club moves to improved facility at airfield

Members of the China Lake Navy Flying Club (CLNFC) have moved! Their new building is the quonset hut located next to the old shack out at X-Pad. The new meeting place is larger and can accommodate all members as they attend safety meetings, review flight plans or attend to any of the business related to flying a plane.

Active since 1964, the club was originated to facilitate flying by private pilots who are members of the armed forces, whether active, in the reserves or retired, and civil service personnel.

The organization follows the rules set forth in NAVWPNCENINST 1710.1A, which is why a safety meeting is held every four to six weeks. The meetings alternate between Federal Aviation Aircraft safety presentations and the club's safety presentations. Members must attend one out of two safety meetings or be instructed privately by a flight instructor to keep their flight status.

Members can fly one of the club's many aircrafts for personal use or for business reasons. Inventory includes a Piper PA-38-112 Tomahawk and two Cessna 172 Skyhawks. The club recently terminated the lease they previously held on a Cessna R-172K

Hawk XP. A Beech D-45 (Navy T-34B) has been down for repairs for over a year, but should be ready to take to the air shortly. According to Larry Warkentin, the club's vice president, all the plane needs are some new hoses, which are expected any day.

People interested in learning to fly should take advantage of the ground school course being offered by Cerro Coso Community College this spring, said Warkentin. The class, which starts Jan. 22, meets on Monday evenings from 6:40 to 9:30 p.m. Students can start flying as soon as their application is approved and they make arrangements with a CLNFC instructor while taking the semester course.

CLNFC membership is \$25 per month. New members pay a \$25 initiation fee (or a letter of good standing from another military flying club), a \$50 refundable deposit and the first month's dues (\$25). Currently, there are approximately 50 members, noted Warkentin.

New officers will be elected in January, noted Warkentin.

Anyone interested in learning more about the club should call Warkentin at NWC ext. 6540.

Discount tickets available for military to SDSU home games

Military basketball enthusiasts who might be in the San Diego area soon should check out the San Diego State University (SDSU). SDSU is offering special military discounts for home games at the San Diego Sports Arena.

A reserved seat is \$5 and \$2 for general admission, terrace seating. That's a savings of \$3 per seat.

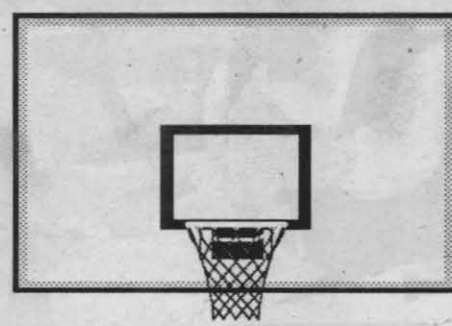
Up to four military admissions can be purchased with a military I.D. Seating is subject to availability.

Tickets can only be purchased at the San Diego Sports Area from 10 a.m. to 6 p.m. daily.

There are also half price, two-day packages for

the Texaco Star Classic basketball tournament on Dec. 27-28. This tournament features teams from SDSU, Clemson, Villanova and Niagara.

For more information, call 283-SDSU.



Basketball clinic set for Sunday

Coaches, assistant coaches and referees for Youth Basketball need to attend a meeting and free clinic on Sunday, Dec. 10. This mandatory clinic, organized by Rick Booth, will be held from 12:30 to

4:30 p.m. at the Youth Center.

Team shirts, rule books and game rosters will be passed out to all coaches at that time.

For any questions, call Booth NWC ext. 2909.

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Prevention remains key to safety claims new RSO

Radiation safety is a primary consideration in the Naval Weapons Center's Safety Program Office. To aid in this endeavor, Paul Psomas has been appointed radiation safety officer (RSO).

According to Psomas, there are two types of radiation used on Center, ionizing and non-ionizing. X-ray machines produce ionizing radiation, and lasers and radar produce non-ionizing radiation.

"Our responsibility is to

ensure that those people who use these sources of radiation use them safely and comply with regulations," said the RSO. "We also ensure the machines are safe and are not leaking radiation."

The radiation safety officer noted his office is kept busy. "Since this is a research and development facility," he said, "factors are constantly being changed. Each time they are changed, we must make sure the system hasn't been affected."

Psomas is well qualified for

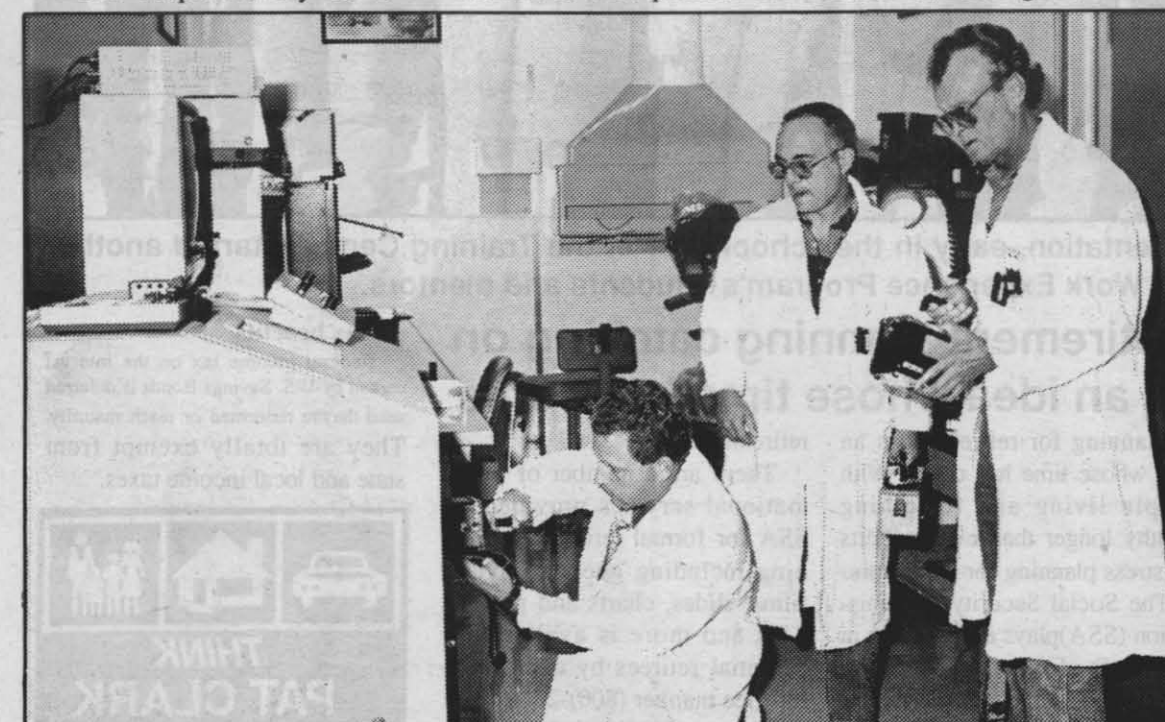
his position. He recently arrived at NWC from Naval Ocean Systems Center in San Diego, where he was the RSO. Before that he worked for Naval Sea Detachment Radiological Affairs Support Office (NAVSEADET RASO) as the Navy's chief inspector for ionizing radiation, and the Nuclear Regulatory Commission for 8 1/2 years.

The new radiation safety officer has a degree in ecological systems from the University of California, Los Angeles.

While going to school, he worked in UCLA's Laboratory of Nuclear Medicine and Radiation Biology. In 1960, he was trained by the Air Force in health physics and occupational safety. He is also a graduate of Oak Ridge

University in Applied Health Physics.

"As far as I know," concluded Psomas, "there has never been an overexposure of radiation at NWC; and it is my job to ensure there never will be."



ENSURING EMPLOYEES SAFETY--Paul Psomas (far right), radiation safety officer, Safety Program Office, observes the work of fellow employees (left to right) Gary Beckstron and Thad Brightwell as they check a machine in the Engineering Building for radiation leakage. Photo by PHAN Cary Brady

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Mentor idea gives boost to students

Mentors and students are in the midst of this year's work for the Technical Mentor Work Experience Program. The program was originally designed to help provide high school juniors the opportunity to aim toward eventual employment at NWC as technicians or scientists and engineers.

While in the program, students work under the guidance of a technical mentor, giving students a first-hand understanding of scientific methods and a chance to work in a professional atmosphere so that they may develop and nurture their personal interests. Once the student has successfully completed the two-year program, an offer may be made to enter the Center's Cooperative Education Training Program.

The program is structured for minority, disadvantaged and female high school students, but is not limited to these. Current students and mentors are:

Jennifer Slater and Matthew Mann -- Dave Orland, Code 2633.

Karen Hallock -- Pat Rizzardi, Code 2703.

Eun-Joo Gray -- Frank Bufum, Code 304.

Marc Page -- Ron Ketcham, Code 304.

Gregory McCalester -- Richard Nuckles, Code 31C.

Ron Childs -- John Throwbridge, Code 3146.

Christine Wetzel -- John Gallagher, Code 3291.

Glen Iwamura -- Randy Cope, Code 3293.

Matthew Boggs -- H. D. Spoons, Code 3572.

Mark Decker -- Rick Newby, Code 36214.

Matthew Goss and Paul Ashton -- Robin Nissan and Mel Nadler, Code 3851.

Teresa Walden -- Jim Bevan, Code 3912.

Wesley Voshell, Rose Gregory and Robert Simonitech -- Robert Redditt, Code 3914.

John Johnson -- Marlin W. Mallory, Code 3945.

Allan Sims -- John Dunker, Code 3411.

According to Ricky Parks, the program's manager, mentor students were entered into the Demonstration Project in August. Returning students will be paid as DGs and new students will become DGs upon completion of their junior year.



GETTING TOGETHER--An orientation, early in the school year at the Training Center, started another year for the Technical Mentor Work Experience Program's students and mentors.

Apple ending sales to NEX

Due to the fact the Apple Computer Corporation has focused its future growth towards the business market and new products will be priced to sell in the \$6,000 to \$10,000 price range, Apple Computer will stop selling computers to the military exchanges of the end of December. While Navy Exchanges will eventually have to discontinue selling the Apple computer, current supplies are expected to last until the new year.

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Retirement planning catching on as an idea whose time has come

Planning for retirement is an idea whose time has come. With people living and remaining healthy longer than ever, experts are stress planning for later years.

The Social Security Administration (SSA) plays a major role in retirement of most people in the United States, and Social Security benefits should be a major factor in retirement planning. Potential retirees need to know how much they can expect from Social Security, what family benefits are available and how Social Security income relates to other sources of

retirement income.

There are a number of informational services provided by SSA for formal retirement planning including guest speakers, films, slides, charts and posters. This and more is available to potential retirees by calling the toll-free number (800)-234-5772.

The younger an individual is when the pre-retirement planning process begins, the more time they have to act on the information provided by the SSA.

Tax benefits

Federal income tax on the interest earned by U.S. Savings Bonds is deferred until they're redeemed or reach maturity. They are totally exempt from state and local income taxes.



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NWC's All Faith Chapel team

On November 28, the United States Navy Chaplain Corps celebrated its 214th anniversary of establishment.

It was on that date in 1775 that the Continental Congress adopted regulation stating that: The Commanders of ships of the Thirteen United Colonies are to take care that divine services be performed twice a day on board, and a sermon preached on Sunday, unless bad weather or other extraordinary accidents prevent."

In 1953, the Secretary of the Navy established this date as the official beginning of the Chaplain Corps in the Navy.

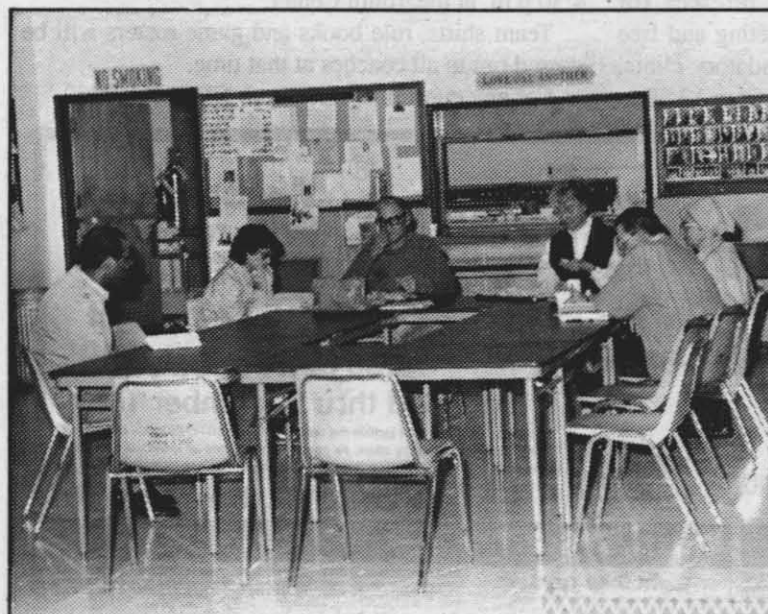
Today the Navy Chaplain Corps is comprised of 1,175 chaplains representing 158 denominations and faith groups. They serve with the Marines Corps, Coast Guard and Merchant Marines in addition to the Navy.

The Religious Program Specialist (RP) rating was established on January 15, 1979, and is designed to provide Navy Chaplains with professional support personnel who are skilled in religious programming and administration. Approximately two-thirds of the tasks which RPs are trained to perform are in the area of religious programming. The remaining tasks are of a clerical or administrative nature. Personnel of the RP rating, unlike chaplains, are combatants and have responsibility for the chaplain's safety when assigned to units engaged in combat.

RP2 David Brown talks to Eleanor Hartwig about All Faith Chapel busines.



Chaplain G.E. Williams (below) conducts a Bible Study session.



RP3 Shea Robinson and RP2 Brown prepare the chapel for a service(top). Petty Officer Robinson (below) gets ready for a mass.



Photos by PHAN CARY BRADY