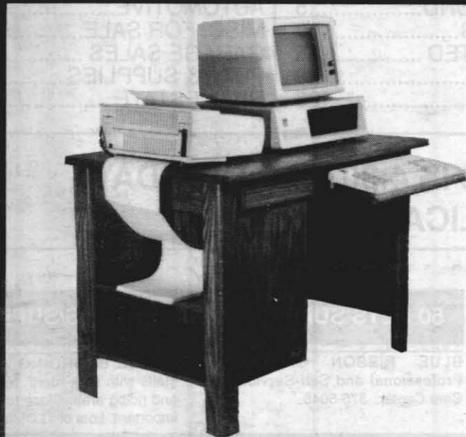


GREAT BALLS O'FIRE

★ **PARKING LOT SALE** ★



Oak Computer Desk **Oak Big Screen TV Stand**

Reg. \$239
NOW \$169

Save 30%

Reg. \$229
NOW \$129

Save 56%

WHILE THEY LAST!

Close-Out Oak Chairs— Reg. \$99-\$139 **Now \$59**

— FREE LOCAL DELIVERY —



Home of Quality Oak
Furniture & Fine Gifts

Oak Specialties

Tues.-Fri. 11-7, Sat. 10-5, Sun. 12-5

414 W. Ridgecrest Blvd.

375-2625



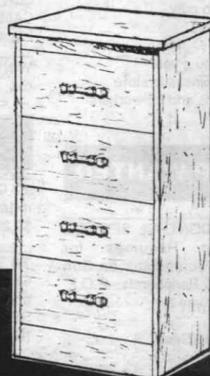
Oak End Table

\$49

Chest of Drawers

4 Drawer **\$39**

5 Drawer **\$49**



Walnut King Headboard

\$39

FURNITURE
DEPOT

OPEN 7 DAYS
Mon.-Sat. 9-7; Sun. 12-5

400 W. Ridgecrest Blvd.

VALUE CENTER

371-1544

Bargains Galore!



— Clothes —
— Knick Knacks —
Hurry & Save

DISCOVERY THRIFT

— WEST RIDGECREST BLVD. —

FRIDAY ★ SATURDAY ★ SUNDAY

March 14, 1991

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MWR 24
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	Max	Min	Peak Gusts
Wed.	60	36	20
Thurs.	63	34	18
Fri.	68	31	10
Sat.	64	37	--
Sun.	70	34	25
Mon.	61	37	23
Tues.	65	30	14

Power outage set for much of NWC

The power distribution lines servicing the north ranges have been scheduled for repair on March 17 for approximately nine hours beginning at 7 a.m.

Areas affected will be:
•Lauritsen Lab Complex
•NAF (All)
•RCC (All)
•ER (All), R, IOB (All), Earth and Planetary Sciences, G-1, G-1, B-Mountain, K, K-2, K-3, M, Vern Point, extending to Mountain Springs.

For further information, contact Al Challenger, project manager, NWC ext. 3411/470.

MILCAP brought reward to Boone

Due to an editing error, last week's *Rocketeer* incorrectly said Marine Gunnery Sergeant Dan Boone received an award for the AH-1 helicopter alignment tool from the Beneficial Suggestion Program. In fact, the award was processed and forwarded for Navy-wide adoption under the Military Cash Awards Program (MILCAP).

Boone's input was the first suggestion adopted locally under the MILCAP process. Because it was forwarded for Navy-wide adoption under MILCAP, Boone is eligible for cash awards up to \$25,000.

Lt. j.g. Brian Abel is the MILCAP administrator and can be reached at NWC ext. 3136 for information on the Military Cash Awards Program.

Gate hours reduced

Starting Monday, March 18, the Richmond Road (back) Gate to NWC will close at 7 p.m. rather than 8 p.m.

NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLVI, No. 10, March 14,

Bluejacket of the Year announced

RM1 Ruth Bowlsby adds new title to her long list of Navy honors earned

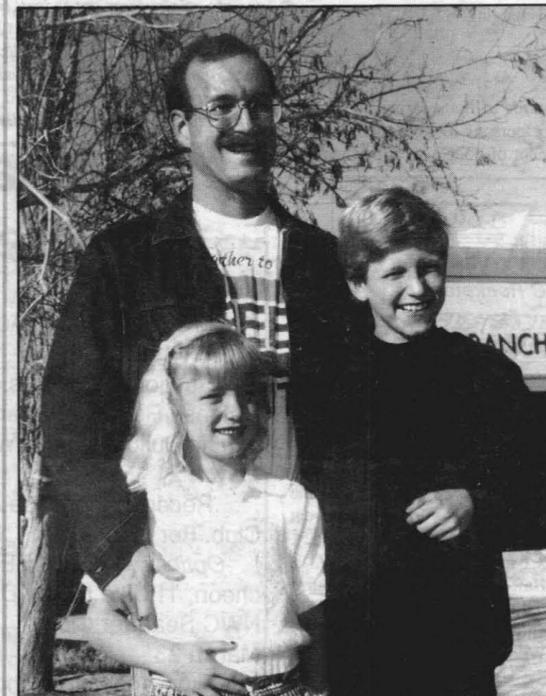
Incredible drive and ambition have once again paid off for Naval Weapons Center's RM1 Ruth L. Bowlsby, who was named 1990 Navy League Bluejacket of the Year Saturday night at the 22nd annual banquet dinner. "This is really hard to believe. . . it hasn't quite sunk in yet!" reflected the dazed candidate minutes after hearing her name called as the chosen Bluejacket; being presented a proclamation from Ridgecrest Mayor Flo Condos pronounc-

ing March 10th as "Ruth Bowlsby Day" in the city; and having approximately 200 people congratulate her on winning the coveted title.

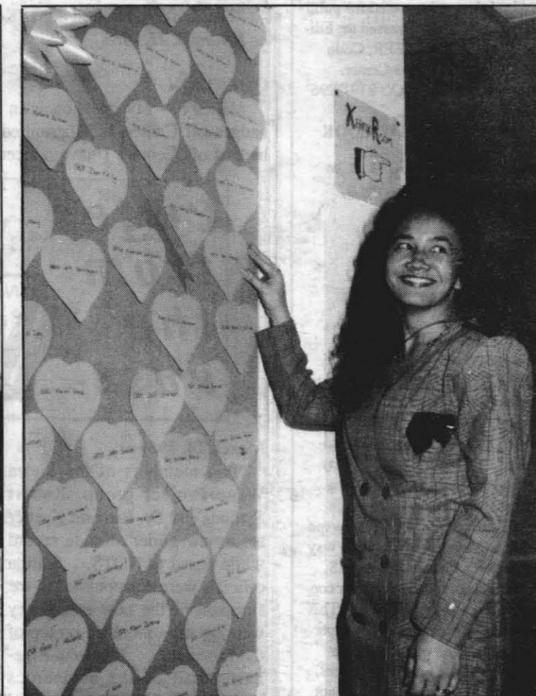
One of six China Lake military members vying for the prestigious award, Petty Officer Bowlsby was selected by a panel of senior enlisted personnel, headed by the respective Command Master Chiefs, from the Naval Weapons Center and Air Test and Evaluation Squadron Five (VX-5), who reviewed service

records and interviewed each of the six candidates.

The other finalists were AZ2 Brenda R. Ford, AO1 Steven S. Carpenter, AME2 Gary A. Soyke, AD2 Raymond K. Finger and ADC Casley J. Cormier. Each had been sailor of the quarter at NWC or supervisor of the quarter at VX-5 during the past year. Two other potential candidates were transferred from China (Continued on Page 4)



HOME FROM THE GULF -- James K. Brown, a Navy hospital corpsman with the Branch Medical Clinic, holds on to what he treasures most -- his daughter, Kerri, and his son, Chris. The family still awaits the return of wife and mother, Kathleen, who is a reservist called back to duty.



SUPPORTING THE TROOPS—Yellow hearts and yellow ribbons adorn the NWC Mail File and Records Office, showing support for the troops in the Persian Gulf. Tommy Techaira is one of the NWC employees keeping this support alive. Photos by PH3 Cary Brady

First local corpsman back from the Gulf

Sometimes so much happens in just three months it feels like we're living in a dream-like world. Hard to believe so much can happen so fast. That's how HM1 James K. Brown felt after reflecting back on the last few months of his life. He suddenly found himself sitting on a Navy ship in the middle of the Persian Gulf with only a days notice and then back to the United States with only a days notice. "It was like one minute I was there, and the next I wasn't!" said the hospital corpsman shaking his head. And that's exactly how it happened.

Brown, who checked into the NWC Branch Medical Clinic a year ago, found his life in a bit of an uproar at the first of this year when he was called to support Operation Desert Storm. His wife, Kathleen, a Naval Reservist, had already been called back to active duty in August and sent to NAS Lemoore, Calif., as a hospital corpsman. So there he was, trying to pack for Saudi Arabia and figure out where to place their two children Chris (10) and Kerri (7). "I was overwhelmed!" said (Continued on Page 3)

Commentary

NWC Rocketeer

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From Capt. Cook:

I recently received the following message from RAdm. R. H. Ailes, Commander, Space and Naval Warfare Systems Command:

"I would like to thank and congratulate each and every one of you for your outstanding support of Desert Shield/Storm. I have been most impressed by the timely and highly effective support you provided during Desert Shield/Storm, and by the talented and technically-competent work force you possess. Your timely installations, check outs, providing of technicians (including in theater) and your positive, can-do attitude were fundamental to getting the job done. I have received numerous praises of the support, assistant and can-do attitude displayed by your activity.

"Thanks for a job 'well done.' Keep charging!"

RAdm. R. H. Ailes

QUESTION

Military -- My question is in regards to the wearing of security badges off Center. Is it permitted for persons to wear their security badges off Center? I have noticed a lot of people wearing them off

Pages from the Past



March 14, 1951

Two members of the Sierra Wave Project group, Robert Symons and Dr. Joachim Kuetter set a new glider altitude record while based at NOTS. . . Station officials were disappointed in the first test of the new emergency warning siren mounted on top of the fire station. . . Dr. John Rinehart, head of the mechanics branch, presented a classified talk on penetration mechanics. . . Cdr. Arthur Jacobson is the new executive officer at NAF.

March 11, 1966

Al Kermode, a machinist in Michelson Lab applies his gun-making hobby to improve Navy small arms weapons. . . Roy Miller was named the new Patent Counsel for NOTS. . . Chaplain P. L. Toland became the new Catholic Chaplain for the Station. . . Technical Director William McClean presented a patent award to W.E. Hicks of the Pasadena Annex. . . Kit Skarr, Safety Department visited L.A.s to chair a L.A. Chapter, Federal Safety Council committee.

March 15, 1981

AT1 Richard Oubre was named NWC's Bluejacket of the Year while the VX-5 honor went to AMH2 Mario Mercado. . . Center Commander Capt. W. B. Haff announced plans for a burro reduction program as a airfield and range safety issue. . . Jetie Wilds, Civil Rights Director for the U.S. Department of Agriculture/Forest Service was guest speaker at a meeting of T&E Directorate personnel. . . Earthquake hazard possibilities were behind the removal of window louvers at Michelson Lab.

March 14, 1986

Marines from Marine Air Wing One recently completed the Aircraft Battle Damage Repair class taught at NWC's Weapons Survivability Lab. . . MS2 Peter Vanderwalle of VX-5 was named the IWV Navy League's Bluejacket of the Year. . . NWC Branch Medical Clinic personnel recently competed in the Long Beach Naval Hospital's Operational Readiness Captain's Challenge Cup and took first place.

base, even Pan Am security. What is the NAVWPNCEN instruction regarding this?

ANSWER

Paragraph 3-104 E, NAVWPNCENINST 5510.29 specifically states that NAVWPNCEN employee/contractor badges are to be worn only in restricted areas and are not to be displayed off Center.

Employees are reminded in the Security Bulletin, NWC Announcement, NWC Rocketeer, during security training classes and annual refreshers not to display their badges when off Center.

I do not believe employees deliberately wear their badges off Center. Usually it is an oversight on the part of the wearer. Anyone observing a NAVWPNCEN employee/contractor badge being displayed off Center should discreetly remind the wearer to secure the badge.

All China Lakers, including military personnel, civilian employees and their dependents, are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. Douglas Cook. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only one or two questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave their name and phone number for a direct contact, but otherwise, this is not required. There is no intent that this column be used to subvert normal, established chain-of-command channels.

China Lake Calendar

March 15

. . . MOWC Creative Auction, Seafarer Club

March 19

. . . Auction of surplus government property by Defense Reutilization and Marketing Office; 9:30 a.m. in Building 1073, Warehouse 41.

March 21

. . . Reception for Blue Angles, 6 p.m., Seafarer Club. For reservations, NWC ext. 3512

. . . Optics in Space, IEEE and SPIE joint luncheon, 11:30 a.m., by Dr. Harold E. Bennett, NWC Seafarer Club

March 23

. . . Blue Angels Air Show, gates open at 9 a.m., Armitage Field

March 26

. . . China Lake Chapter, Computer Society, The "Why" of Ada, Seafarer Club, 11:30 a.m.

Coming Events

April 5, Retiree Appreciation Day
May 6-7, Annual Safety Standdown
June 4-8, American Heritage Week Celebration

Items of interest to the China Lake population may be placed in the CHINA LAKE CALENDAR by calling the NWC Rocketeer at NWC ext. 3354 before 11:30 a.m. on Monday before Thursdays publication.

ROCKETEER CLASSIFIEDS

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

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

CLASSIFICATIONS

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

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

1 PERSONALS

Lee King will be forty On St. Patrick's Eve Is that over the hill? Or any reason to greive?

Her Career is Expanding She's making contacts in DC Her dedication to duty Earned her a DP-3.

Lee - we wish you a year With lots of happiness in store From your friends and co-workers In Code 2714.

15 HELP WANTED

INSTRUMENT CONTROL SERVICE is requesting Resumes for Maintenance Technicians on Sun Micro Systems & Peripherals. E.O.E. Please mail Resume to: I.C.S. ATTN: Kerry Trim (Sun) P.O. Box 7126 Pensacola, FL 32534

LOOKING FOR DEPENDABLE, EXPERIENCED TEENAGER to babysit on occasions. Previous References required. Call 446-6934.

20 RENTALS

1 BDRM., 1 BATH Pool/walk in closet/refrigerator \$375/month ERA Vaughn Realty 446-6561

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

1BR DUPLEX AVAILABLE NOW! Non Smoking Female Only! Fenced yard, on Richmond. \$300/mo. + \$100 dep. Utilities incl. 371-1972.

Classifieds Get Results!

30 SERVICES

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

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

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

35 AUTOMOTIVE

'83 Chevy Impala - Good Runner, low mileage, A/C, AM/FM/CASS. \$2,250/OBO. 446-2740.

'86 T-BIRD ELAN - Loaded, A/C, Tilt, Cruise, AM/FM Cass., Pwr Windows and Seats. Too much to list, MUST SEE. \$5500/OBO. 619-375-0330 (H), 619-446-1701 (W).

1986 YAMAHA VIRAGO 700 - 4700 miles, like new - \$2700. 446-3589.

1988 FORD MUSTANG GT. Low Miles, All Power Options. Black outs, New Goodyear Eagles, A/C, Am/Fm Cassette Stereo. New Brakes, Alarm. 5 Speed. Blue Book \$10,000. \$8,900 Firm. Immaculate. 375-9273.

'78 CHRYSLER CORDOBA, loaded. Runs excellent, asking \$1100/OBO. Call Bryan, 446-4203 -eves.

40 MISC. FOR SALE

AIR CONDITIONER - 13,000 BTU (Feddors). Only used one month. \$350/OBO. Treadmill, \$75. 375-6055 after 4 pm.

APPLE II COMPUTER - Software, extras - \$250; Color Monitor - \$75, Okidata Printer - \$200; whole lot - \$475. 375-4197, PM/WKND.

CAMPER SHELL - Insulated, fits D50 pickup, 79-86, w/carpet kit. May fit others. \$300/OBO. 446-7595.

Children and Swing sets go well together. If you have a lonely set please call 371-1961.

40 MISC. FOR SALE

FOR SALE: Baby Crib with mattress and Bumper pads. \$50/OBO. Call 446-2827.

Pair of Step-end tables - \$25. Pair of amber glass living room lamps - \$20. Whirlpool electric dryer - \$100. Blue silk flower arrangements, large basket and large white vase - \$10 each. 10-speed ladies Peugeot bike - \$100. 446-6823.

SOFA AND LOVESEAT - \$200.00. HO. GA. Train Set, 3 trains on 4x8 plywood - \$80.00. Two Bikes, girls 16" and boys 20" - \$35.00 each. Atari 7800 video game with 8 tapes - \$35.00. 446-7397.

SOUTHWESTERN Couch, Loveseat, end table set, matching King or Queen Bedspreads, Drapes, Woven Wood Blinds, Tire Chains, Small Motorcycle Helmet, Leather Gloves, Custom Made Bar. 375-4197, PM/WKND.

TRUCK BED LINER - Nissan King Cab - \$175. 446-3589.

Washer, works fine - \$65. Epsilon car stereo pre amp EQ - \$50. Whistler 400 radar detector - \$60. 446-5293.

45 GARAGE SALES

GARAGE SALE - Sat, 16th. 8:30-?. Before Opal, Ashworth Place.

YARD SALE - Sat. 16 March, 8-2. Please no early birds. 500 Burroughs Ave. (on base). Microwave, exercise equip., diving equip., childrens/adult clothes, much, much more!

YARD SALE - 8am-3pm, Friday only (no early birds). 216 N. Florence, tables, shelves, Q&T bed frames, entertainment center, clothes, Baker's rack, 10-speed Peugeot, Dishwasher, misc. items.

To Place Your LEGAL ADVERTISEMENT Call 375-4481 The Daily Independent

50 PETS/SUPPLIES

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

50 PETS/SUPPLIES

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

TO PLACE A CLASSIFIED AD IN THE ROCKETEER CALL 375-4481 OR DROP IT BY

The Daily Independent

739 N. China Lake Blvd.

ACTIVE MILITARY PERSONNEL & THEIR DEPENDENTS MAY PLACE THEIR CLASSIFIED ADS FREE OF CHARGE!

MILITARY/SERVICE CONNECTED 100% APPROVED!

\$5,000 \$5,000 TO \$7,500 CREDIT LINE. 0% INTEREST

NO CREDIT CHECK! Civilians 98% Approved ALSO AVAILABLE

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

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

FREE DETAILS! CALL 1-803-272-1378
\$200 on gift checks/Free Vacation Certificate with each order

Recycle:

State, Navy require China Lake to identify attempts at 'source reduction' of material

Better than recycling material is not using it in the first place. OPNANINST 5090.1A and California Assembly Bill 939 define this non-use as "source reduction," and require the Naval Weapons Center to report source reduction progress regularly. The next such report is due in early April. The Center's Recycling Program is seeking information to use in this report.

There are many example of source reduction taking place all around NWC. Duplicating documents on both sides of the paper is one example. If you bring a ceramic mug to work and stop using foam cups that is another example. Code 27 recently placed the NWC Announcements, "blue sheet," on the VAX. If we print fewer announcements as a result, that is also source reduction. Removing unnecessary names from distribution lists is one of the best examples.

Other examples include routing documents rather than making copies. Use of electronic mail instead of sending notes also counts. Sharing periodicals and newspapers instead of getting your own copy is another good example. In fact, there are so many examples of source reduction around it would probably be a waste of paper to list them all.

The Environmental Program Office needs to document the source reduction from the various NWC departments. However, it is not the total picture. Our reports may also list successes of individuals in supporting recycling and especially source reduction.

Please take a moment in the next two weeks to report your source reduction efforts. Any reports for off-Center success will be forwarded to the City of Ridgecrest for their reporting.

In order to save paper, call Tree Crabtree at NWC ext. 3411/382 or on E-Mail at SCF::TREE. If you want to write your report, please use the back of a document that is being discarded. We will recycle it after we compile the final report.

We will also compile a list of the best ideas for source reduction and make it available to other people and organizations.

by the Environmental Program Office

WACOM plans fund distribution

Management of the WACOM (Women's Auxiliary of the Commissioned Officers' Mess) Thrift Shop announces their the semi-annual distribution of funds to local organizations in May.

Organizations wanting to be considered for monetary assistance must submit written requests before April 1 to Fran Fletcher, 1001 Mary Ann Street, Ridgecrest, CA 93555.

20MHz 386SX system \$1,295

20MHz 386SX AT. Complete Foundation system with one 1.2MB/360K floppy drive & one 1.44MB floppy drive, 80387SX coprocessor socket, one parallel & two serial ports, high-resolution monochrome display & adapter, 2MB RAM, battery-powered clock & calendar, 44MB 1:1 hard disk, desktop case, enhanced AT-style keyboard, MS DOS 4.01, GW-BASIC, application and system productivity & utility s/w. Runs it all: DOS, Unix, OS/2, & Windows. BIOS contains setup. **True 20MHz board** with 20MHz processor, I/O bus speed separate from clock so you can use older XT & AT cards. **3-year warranty on system**, 2-year hard drive. **2MB system** on sale: **only \$1,295.** Nice, baby tower case & full display only \$70. Same system but 16MHz, \$88 less. **1024x768 VGA card & monitor only \$385.** **1024x768x256 colors VGA card & monitor only \$419.**



shown in optional baby tower case

Computing Technology's

Computer Store

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

Retiree Day set on April 5

April 5 is set for the Sixth Annual Retiree Appreciation Day at the Naval Weapons Center.

Bill Davis, the Center's director of retired affairs, said the day will once again feature briefings from top NWC managers on technical highlights, a current overview of the Center's activities

and an update on recreation and club developments. This will be followed by a no-host social hour in the NWC Seafarer Club where alumni and retirees can informally meet each other and current China Lake managers.



Who says you can't teach an old phone new tricks?

Unless you have the affordable convenience of Custom Calling, your phone may never realize its full potential.

Its potential to help you carry on a conversation with two other people at the same time (3-Way Calling).

Or to receive incoming calls — even though you're already on the line (Call Waiting).

Its potential to forward calls to any destination you choose (Call Forwarding).

And to store and dial commonly called numbers with the touch of a single button (Speed Calling).

In fact, without Custom Calling, all a phone can really do... is sit and play dead.

So don't wait. For only a few dollars a month, your phone's new

performance will amaze you. Call the ringmasters at ConTel today, and ask about Custom Calling.

1-800-624-2527, ext. 111.

CONTEL Telephone Operations
We go out of our way.®

Military News

HM1 Brown happily returns to China Lake

(Continued from Page 1)

Brown. Luckily Kathleen drove over that evening from Lemoore, said good-bye to her husband, and placed their children with Ridgecrest's Tim and Lucy Fulton, who were friends of the Browns since they all lived in Whidbey Island, Wash. And so the adventure began!

The young sailor found himself aboard a Air Force C-141 seated on a canvas bench for 20 hours. "That was pretty bad," chuckled Brown. But fortune turned her sights upon him when he arrived in Bahrain. There was no room in military berthing, so alas, he had to stay in the Holiday Inn. The corpsman reflected, "I got to live in luxury for about five days, ate good and even had a swimming pool. I thought to myself, this isn't so bad!"

Well the pleasure cruise soon ended and the reality of shipboard life took over as he arrived on the *USS Nassau*, an amphibious assault ship just off the coast of Kuwait.

"Our ship was primarily a casualty receiving ship as well as the flag ship for the amphibious task force there," said Brown.

"I kept thinking, if a mine hit us and it started flooding, at least I would be at the highest level."

Which meant it held Marines, tanks and equipment as well as extensive hospital capabilities and a top notch medical team.

The concept behind the structure of the ship was to be able to provide immediate care to the Marines if the assault team were sent in. Casualties who came right back from the landing assault would be stabilized before they were sent to hospital ships. "There were three other ships like the *USS Nassau*, we were the largest with such medical capabilities."

Brown's first impression of the ship was "it was very busy and very LOUD." Harriers and helicopters operated off the deck of the ship. The Navy then repaid him for landing the luxury room at the Holiday Inn. "We got put in overflow berthing, which is the crummiest berthing on the whole ship. It's basically whatever is left over." Not much is left over when over 300 people (both officer and enlisted) are crammed into a very small space. The corpsman got the "penthouse" rack, meaning the top rack stacked four high. "Actually I kind of liked it up there. I kept thinking, if a mine hit us and it started flooding, at least I would be at the highest level."

Now how's that for positive thinking!

As a specialist in preventative medicine, Brown assumed he would work in that area. Testing water, inspecting galleys, and monitoring environmental health programs.

Not so! He became part of the medical regulating team, which is totally removed from the preventative medicine side of the house. This meant working on the bridge of the ship tasked with

moving casualties and coordinating helicopters operating from ship to shore.

"I had to have a crash course on how to talk on a military radio. Learning new jargon and codes to encrypt transmissions since we had an unsecure frequency that could be picked up by the enemy," commented Brown. The ship was in full operation 24 hours a day. Brown worked seven hours on, five off, five on, and another seven off. "It seemed like a constant rotation of working, eating and sleeping."

Fortunately the ship never had

"When you've got 2,000 Marines cooped up for seven months with nothing to do but clean their weapons and sharpen their knives, you'd think they'd go a little stir-crazy!"

any combat casualties, since the cease-fire was established before their Marines were called in. According to the *China Laker*, morale aboard ship was always very high. "I was surprised. When you've got 2,000 Marines cooped up for seven months with nothing to do but clean their weapons and sharpen their knives, you'd think they'd go a little stir-crazy! But they knew what they had to do, and they were just waiting for the word—GO! Fortunately it never came."

The petty officer found out he was leaving as abruptly as he found out he was going. "Someone woke me up out of a sound sleep and said 'get up, pack your bags, we're leaving in the morning' to which I replied, get out of here, leave me alone, I have to go to work in an hour." But when Brown saw the original 70 who came aboard with him packing, he suddenly believed his eyes! "The whole time over there you heard so many rumors. It got to the point that you could no longer believe anything until it actually happened."

After two months aboard the ship, the sailor found himself heading for home. It was back to Bahrain for three days, where he actually slept in a prisoner of war camp, set up but never used. "We were one of the first groups to leave, but by the second day people were storming the gates to get flights out."

Coming home to Ridgecrest on March 6, Brown found the Branch Clinic and his family are overjoyed to have him back. He is more than ready to resume his leading petty officer and preventative medicine department head duties in the Clinic.

The staff, which has been extremely short-handed while losing nine of their corpsmen, looks forward to the return of each sailor. "Everyone really had to pull together, it's not just the people who went over, but those who stayed behind pulling the extra weight who should also be commended," commented Brown about his shipmates. "I don't want the hardships on people back

here to get lost in the homecoming celebrations. They did just as much for their country, if not more!"

"I don't want the hardships on people back here to get lost in the homecoming celebrations."

Hopefully the entire Brown family will be reunited when Kathleen returns in the next couple of months. The family has taken the separation well, due to the support of the Fulton Family. "I can't thank Sally, my babysitter, enough. When I got back I received a letter congratulating us on our son being student of the month at Richmond School. Since both of his parents weren't here, I can only give credit to her."

Looking back Brown knows how lucky he was. "I got the good end of the deal. I was able to go over there and experience it firsthand, but I was only gone for a couple months and was one of the first people back. I lucked out!"

HM1 Brown also found a bit of good news awaiting his arrival. The Clinic had nominated him to the Navy Environment Health Center, for the Preventative Medicine Technician of the Year Award. A prestigious honor for a dedicated and distinguished sailor.

by Kristine L. Smith
Rocketeer Staff Writer

"Gray area" reservists gain new shopping privileges

Shopping at both the Commissary and the Navy Exchange is a sure way for members of the Navy family to get value, savings and service. Now "gray area" Reservists and their families can fully enjoy the benefits of their dedication their country.

New Commissary and Exchange shopping privileges were extended to "gray area" Reservists under the Fiscal Year 1991 National Defense Authorization Act. The act also authorized the use of Navy Lodges and other Morale, Welfare and Recreation (MWR) facilities by these reservists.

"Gray Area" Reservists are defined by law as retired Reservists, who would be entitled to receive retired pay at age 60, except for the fact that they have not yet reached age 60.

Navy Commissaries recently announced new procedures allowing "gray-area" retirees to shop in the store with a Reservist Commissary Privilege Card. Using this card, retired Reservists in non-pay or "red card" status are no longer required to wait until age 60 to enjoy Commissary privileges.

The new policy requires Reservists to show a Commissary Privilege Card and a valid reserve member identification card upon entering the store. The privilege card authorizes 12 commissary visits per calendar year.

The Navy Reserve Personnel Center is individually notifying eligible Reservists about their new benefits and the Commissary Privilege Card. Members who were eligible for 12 visits on Jan. 1, 1991, are entitled to all visits for this calendar year, no matter when the card is issued

during 1991.

This card may also be used by the reserve member's dependents. Dependents will be permitted Commissary access with the sponsor's privilege card if the card includes the dependent's name. Otherwise, dependents are required to present the privilege card along with a reserve dependent ID card.

"Gray area" retirees and their dependents were granted unlimited shopping privileges at Navy Exchanges in October 1990.

This new policy allows these members of the Navy family to take advantage of the exceptional value, selection and service offered to all authorized Exchange shoppers.

NWC radioman captures Navy League title

(Continued from Page 1)

Lake before the end of the year and therefore considered ineligible. Each candidate received \$250 from the Navy League in recognition of their outstanding accomplishments.

Larry Smith, president of the Indian Wells Valley Council, Navy League of the United States, joined NWC Commander, Capt. Douglas W. Cook, and VX-5 Commanding Officer, Capt. Raymond A. Kellett in presenting the newest Bluejacket of the Year with numerous awards including

a check for \$1,200 and a \$600 savings bond, all made possible by donations from businesses and Navy League members.

In his address to the assembled gathering, Capt. Cook commended the final candidates for their contributions to the Center. "These people before you tonight have achieved and maintained a standard of excellence second to none," said Cook, "Their contribution to the NWC team is absolutely essential to our success." Likewise, Capt. Kellett added, "I think Desert Storm reminds us all

of the importance of maintaining a well-trained and motivated fighting force. I think the individuals here tonight represent what that well-trained force is like. Not only as members of it, but also as leaders who are doing the kind of training necessary for such a force."

Guests were thoroughly entertained by the enlightening slide show introducing each of the candidates. Bud Biery, who again performed as master of ceremonies, presented each of the candidates and reflected insight

he gained from interviewing each of them.

RM1 Bowsby has been in the Navy since August of 1980 and attached to NWC since May of 1989. She is currently attending Cerro Coso Community College under the Navy's Enlisted Education Advancement Program (EEAP). For the next two years she will be a full time student until completion of her associate's degree, at which time she'll re-assume radio communication duties.

Just prior to the Bluejacket Banquet, Bowsby was selected as the Naval Weapons Center's 1990 Sailor of the Year. "I'm really excited about being named

Sailor of the Year and if I'm a selected finalist, I get the opportunity to go to Washington D.C.," commented Bowsby. "That is my ultimate dream, to one day work in Washington D.C. in a very important position."

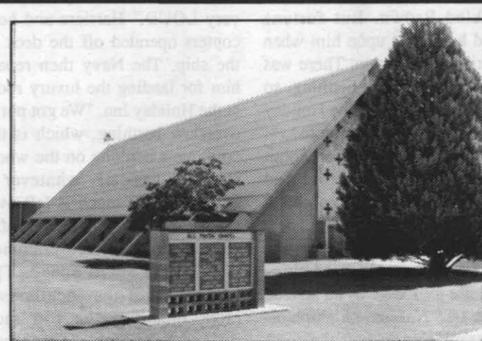
But for right now she must concentrate on mid-term finals and getting her limited duty officer package off. She plans to split half of the award money with her husband, David.

"He is the reason I've done so well in the the Navy. He's earned this award just as much as I have!"

Now how's that for teamwork!
by Kristine L. Smith,
Rocketeer Staff Writer



1990 BLUEJACKET CANDIDATES HONOR RESPECTIVE COMMANDS -- In the photo above, NWC's RM1 Ruth L. Bowsby (center) holds her 1990 Bluejacket of the Year Award after being congratulated by (l to r) Bud Biery, master of ceremonies, Capt. Raymond A. Kellett, VX-5 Commanding Officer, Capt Douglas W. Cook, NWC Commander, and Larry Smith, president of the Indian Wells Valley Council, Navy League of the United States. In the photo below, Bowsby stands with fellow Bluejacket candidates (left to right) ADC Casley J. Cormier, AZ2 Brenda R. Ford, AD2 Raymond K. Finger, AME2 Gary Soyke and AO1 Steven S. Carpenter. Each sailor represented their commands as sailor or supervisor of the quarter. Photo by PH3 Cary Brady



Divine Services

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

Islamic
 Jumaa Prayer (Friday at 1006 Blandly) 12 (noon)

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

Jewish
 (NWC ext. 2851)
 Weekly Services (Friday - East Wing) 7:30 p.m.
 Adult Hebrew Lessons (Saturday at 1004 Blandly) 3:00-5:00 p.m.
 Religious Education (Sunday at 1004 Blandly) 9:00 a.m.-12 noon

Chaplain S. A. Casimano, LCDR, CHC, USN
 Chaplain G. L. Goodman, LT, CHC, USNR
 Andy Busch, Student Rabbi
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 Phone NWC ext. 3506, 2773, 2873

Community Events

Community Events

On March 15, the China Lake Astronomical Society presents the first star party of the season at the site south of Ridgecrest. Bring your own telescope or binoculars or share one of theirs. This month's planets Venus, Mars and Jupiter. Prime constellation Orion. The time is 6:30 p.m. For directions call 375-5681 or 375-3697.

Desert Elegance will be portrayed by local artist Nancy Mussler Hoyem through her watercolor paintings and wall hangings in the Sylvia Winslow Exhibition Gallery of the Maturango Museum beginning March 16. Admission is \$1 for adults and \$.50 for children. The exhibit will run until April 21.

March of Dimes' *Walk America* committee for Ridgecrest is inviting any business, community organizations and especially individuals to participate in planning and development of a successful fundraising walk-a-thon scheduled for Saturday, March 16. Registration begins at 7 a.m., and the walk at 8 a.m. For more information please call 375-5059.

On Wednesday, March 20, 7:30 p.m., at the Maturango Museum, Anna Pringle will discuss the general history of the Grand Canyon and show slides taken on different trips there.

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

Everyone is welcome at *The Airwaves* club meeting set for April 8 and May 13 at the Kerr-McGee Center in the Red Rock Canyon Room. All meetings are held at 7:30 p.m. For more information contact Steven Rainey at 939-5613.

Health Fair Expo '91 is coming to town. The Ridgecrest Community Hospital, Desert Empire Fair Board and Cerro Coso Community College sponsor the 14th Annual IWW Health Fair Expo on Saturday, April 13, at Joshua Hall, Desert Empire Fairgrounds.

Nuts opens this Friday

Opening night curtains will part on the Burroughs High School Lecture Center stage at 7:30 p.m., this Friday on *Nuts*, the first offering of the Community Light Opera and Theatre Associations 1991 season.

Nuts stars Deb Haydue as a quarrelsome, embittered call girl who struggles to prove she is mentally competent to stand trial on charges of killing a client. Featured players include Ridgecrest favorites Suzanne Koerschner, Clyde Irvine and John Clark as witnesses for the prosecution, and Alice Pastorius and Brian Short as dueling attorneys.

The opening night audience is invited to a reception at The Hideaway following the show. After the March 15 opening, this adult drama will play March 16, 22, 23. All performances will be in the BHS Lecture Center, with a curtain time of 7:30 p.m.

Xeriscape committee seeking example of low water use yards

Members of the High Desert Xeriscape '91 steering committee are soliciting addresses featuring xeriscapes to be included in their *Self-Guided Xeriscape Tour*. The list will be distributed at an upcoming xeriscape workshop, allowing participants to drive by and view local examples of front yards that are xeriscaped.

Anyone having a xeriscaped (requires low water and reduced maintenance) front yard who would like to be included on this self guided tour list should call Tery Tennant at 446-5521 or 446-2971 (evenings). Addresses are needed by March 22.

High Desert Xeriscape '91 is a regional workshop promoting water conserving landscaping through the use of low water and low maintenance plants and design. This year's workshop is scheduled for May 18 from 8:30 a.m. to 5:30 p.m. at the Kerr-McGee Center.

NWC invites seniors and disabled to practice air show next Friday

Captain Douglas W. Cook, Naval Weapons Center Commander invites area senior citizens and disabled citizens to attend a practice air show at NWC's Armitage Field on Friday, March 22 feature the Blue Angels. The practice show starts at 1 p.m. Persons wishing to attend the practice show should be at the CalTrans parking lot at the intersection of Richmond and Trona roads by noon on Friday. A caravan will be formed, escorted by China Lake Police officers and depart for the air show at 12:30 p.m. Seating will be provided. People attending are encouraged to wear wide brimmed hats or bring umbrellas for shade. For more information call the NWC Public Affairs Office at 939-3511.

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MWR

NWC's children's centers prepare for April, Month of the Young Child

Good Beginnings Never End is this year's theme for April, the Month of the Young Child. In celebration of this country's most precious resource, children, the Naval Weapons Center's Movin' On Up Program and children's centers are planning their fourth **Public Awareness Walk** and **Family Night**.

Starting at 9 a.m. on April 4, children, day care providers and parents will walk from the children's centers on base through Michelson Laboratory and the Administration Building to remind people

Good Beginnings Never End. Show your support in our future -- take time to join in the walk with your children. Meet your child at his or her center for a fun, leisurely awareness walk.

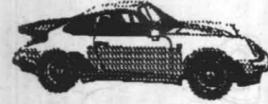
On Tuesday, April 23, parents, friends and relatives can visit NWC's children's centers and Youth Activities from 6:30 to 8 p.m. Take the time and participate in hands-on activities with your children.

For more information about the events promoting children awareness in April, call NWC ext. 6681.



Auto Hobby Center can help with do-it-yourself mechanical projects

Having problems with your car? Can't afford a mechanic or would prefer to work on it yourself but don't know how? With the available knowledge at the Auto Hobby Center on base, the do-it-yourselfer can complete all car mechanical projects. The informational Hot Line is NWC ext. 2346.



What do you do with used car oil? Don't store it! The Auto Hobby Center has a safe place for dumping your oil free of charge.

Auto Hobby Center has a safe place for dumping used oil at no cost to you!

The Auto Hobby Center is open from 11 a.m. to 8 p.m., Tuesday through Friday; 9 a.m. to 6 p.m., Saturday and Sunday; and closed on Mondays.

Celebrate the changing of the seasons at the Seafarer Club dinner on March 16

Spring is in full bloom at the Seafarer Club. Celebrate the changing seasons by attending the club's father/daughter, mother/son dinner dance on March 16. From 6 to 9 p.m., enjoy a spaghetti and pizza dinner with all the trimmings. Each couple will receive a free photo as a souvenir of this special, memory-making night.

Cost is \$5 per child, 2-12 years of age, and \$6

per adult. Children two years old and under will be admitted for free.

Tickets are now available at the Youth Center, Children's Center or the Seafarer Club. Tickets purchased at the door will be an additional \$1 each.

For further information, phone the Youth Center at NWC ext. 2909.

Meet the Blue Angels

March 21, 6 p.m., Seafarer Club

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★ **Annual Creative Auction** ★

Sponsored by the China Lake Military Officers Wives Club. The public is invited, **FRIDAY, MARCH 15 - 6:30 P.M.**, at the NWC Seafarer Club. Time and talent of local military personnel and friends to be auctioned off. \$5.00 admission, 5 chances to win from among \$5,000 in door prizes donated by the following sponsors:

Furnace Creek Inn, Death Valley ★ Fairmont Hotel, San Francisco ★ Hyatt Regency, Lake Tahoe ★ "Showboat", Las Vegas ★ Vagabond Inns ★ Hanalei Hotel, San Diego ★ Heritage Park B&B Inn, San Diego ★ Holiday Inn, Buena Park ★ Krug Company Hotels: Kon Tiki Hotel, Phoenix, AZ; Hotel Californian, San Francisco; Best Western Dry Creek Inn, Healdsburg ★ Coffee Creek Guest Ranch ★ Quality Inn, Las Vegas ★ Newly renovated Anaheim Marriott (two blocks from Disneyland) ★ Town Hall Hotel and Casino, Las Vegas ★ Whispering Pines Lodge, Kern River ★ Island Packers Cruises, Ventura ★ Santa's Village ★ San Diego Harbor Excursion ★ Sea World, San Diego ★ Fisherman's Landing, San Diego ★ Universal Studios, Hollywood ★ Wild Rivers Water Park, San Diego ★ Evening at the Improv, Las Vegas ★ Charter Connection, Marina Del Rey ★ Ski Dodge Ridge, Pinecrest ★ Medieval Times, Buena Park ★ Great America, Santa Clara ★ Disneyland ★ Wild Bill's Wild West Show, Buena Park ★ Knott's Berry Farm ★ Pageant of the Masters, Laguna Beach ★ Glen Ivy Hot Springs, Corona ★ Catalina Passenger Service, Inc. ★ Movieland Wax Museum, Buena Park ★ Ripley's Believe it or Not, Buena Park ★ H&M Landing, San Diego ★ Topaz Lodge and Casino, Nevada ★ Bear-in-Mind ★ L.A. Dodgers ★ The Nature Conservancy ★ Grand Canyon Natural Park ★ Wilton Industries ★ "Gladstone's 4 Fish", Malibu ★ Carrows Restaurants ★ San Diego Visitor's Bureau ★ "Food for Thought", Ridgecrest ★ C'est Chic, Ridgecrest ★ Gentry's Texas Barbeque, Inyokern ★ Graziano's, Ridgecrest ★ Glamorous One Photography, Ridgecrest ★ Awards Specialist, Ridgecrest ★ K-Mart Restaurant, Ridgecrest ★ Janey's Hair Fair, Ridgecrest ★ Gourmet's Cache ★ Farris' at the Heritage ★ Cal Energy ★ Coldwell Banker ★ Eagle Mountain Gifts ★ L.A. Lakers ★ Heritage Cleaners ★ NBC Television

MARS makes keeping in touch a reality

China Lake's outlet serves ships at sea, islands in the Pacific as part of a community-wide communications effort

"Just reach out and touch someone." That familiar AT&T commercial could also be the theme of the Military Affiliate Radio System (MARS) outlet at China Lake. Thanks to the volunteer efforts of local people working the MARS station, hundreds of military members have had the chance to reach out and talk to their loved ones.

More than 350 phone patches have been made by the MARS outlet at the Naval Weapons Center for servicemembers on active duty overseas since it went on the air Sept. 26, 1990. Manned by military reserve and civilian amateur radio operators, the local activity services afloat operations and acts as a gateway for Marcus, Truk and Kure islands.

The patch is made through special numbers donated by MCI and Sprint telephone companies

According to Navy Reservist ETC(SW) Kevin Holm, point of contact for the local MARS network, afloat operations activities allow servicemembers aboard ship to make direct unclassified telephone patch calls, whether official or unofficial in nature. Gateway activities allow military personnel stationed on foreign soil to be able to contact family

members and to conduct business with stateside military commands. "The patch is made through special numbers donated by the Sprint and MCI phone companies. Each call is usually five to 10 minutes," said Holm.

Marcus Island is in the West Pacific Ocean, 1,030 nautical miles southeast of Tokyo. From China Lake, the island is about 2,313 miles away. The Coast Guard has a navigation station on the island.

Kure Island is in the North Pacific. It is at the extreme northwestern end of the chain of the Hawaiian Islands, 60 miles west of Midway. From China Lake, Kure Island is about 3,538 miles away. This island is also used as a navigation station.

Truk Islands is an island group of the Caroline Islands in the western Pacific Ocean, 900 miles north of Rabaul in New Britain. The reef-encircled group comprises 57 volcanic islands and 40 coral isles and is used by the Navy, which maintains a small command there. They are about 5,963 miles from China Lake.

"During the first couple of months in operation," said ETC(SW) Holm, "we were just setting up and had only about three calls. It wasn't until late December, January, that we became fully operational. Now

the pace won't let up. We have made 343 completed calls and 70 incomplete calls from the islands and 41 completed calls from the ships and 18 incomplete calls. Incomplete calls are usually because nobody is home."

According to the point of contact, the reason there haven't been that many shipboard calls is due to radio silence on many ships.

On Tuesdays, Wednesdays and Saturdays the station is a gateway.

The local network's operators work under the call letters NNNONRU. They are ETC(SW) Holm, USNR; John Denson; RMC Kathy Ernst, USNR; John Voshell, Todd Evans, Mike Evans, Bob Fletcher, Bob Hoffman, Ray King, Terry Mangrum, ATC Bill Oberg, USNR; Ron Ogren, Bob Phillips, Chuck Swedblom, Scott Thompson and Bill Weis.

"We depend upon the local amateur radio operators," said ETC(SW) Holm, "there aren't enough military operators to man the station full time. Bob Fletcher is a key member in our operations. He is our technical advisor and was instrumental in getting us on the air. Ron Ogren, president of the Sierra Amateur Radio

Club, has also been a tremendous help. This operation is definitely a community effort."

The MARS station is manned six days a week. On Mondays, Thursdays and Fridays, the radio operators use the call-in frequency and let ships know they are there. If a ship can hear them, the ship's operator acknowledges them and they switch to a communication frequency. On Tuesdays, Wednesdays and Saturdays, the local station is used as a gateway for the islands. "We service Marcus and Truk islands on Tuesdays, Kure and Truk islands on Wednesdays and Saturdays," explained Holm.

Originally located by the airfield in an old bunker, MARS was moved by the Navy Reservists to Building 31427, the old ground electronics building. "We totally dismantled the tower to move it," said Holm. "We have been working to become fully

operational for the past year. We hope to increase our services in the future by setting up to receive MARSGRAMS (transmission of record traffic, similar to telegrams)."

In case of an emergency at Ridgecrest/China Lake, the local MARS station becomes a critical communications link. "If there was an earthquake or flood in the local area, interrupting normal communication channels, MARS operators will be able to maintain contact with local emergency relief services and outside organizations. "A couple of weeks ago," noted Holm, "the entire communication system for Kure Island shut down. The only way they had of communicating was through the MARS network."

"We are here not only to help our own community, but the military personnel serving their country far from home," he concluded.

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DRMO auction set March 19

Local Auction 41-1267 of surplus government property will be held by the Defense Reutilization and Marketing Office at China Lake on Tuesday, March 19. The auction begins at 9:30 a.m. in Building 1073, Warehouse 41.

The public is encouraged to bid on the 222 items to be offered, including Graflex and Nikon cameras, lens, shutters, photographic developing and finishing equipment, hardware, electronics, PCs, books, recording equipment, pantograph, clean bench, tab paper, parachute canopies, wire and cable.

Items will be on display for inspection from 8 a.m. to 2:30 p.m. on Monday, March 18. A complete list and terms are at Building 1073, Warehouse 41.

Registration will begin at 7:30 a.m. on the day of the sale. Bidders must be present and registered to bid. Mailed bids cannot be accepted. Items purchased may be removed on the sale date provided full payment is made. Payment must be in cash or guaranteed instrument (cashier's check, money order, traveler's check, etc.). Purchasers have until Friday, March 22, to pay for and remove items.

Because the DRM Office is within the Naval Weapons Center's interior security fence, prospective bidders without an NWC pass must stop at the main gate visitor's center and obtain a pass before coming aboard. Everyone must present photo identification and may be subject to vehicle inspection.

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Blues, VX-5 fly at China Lake on March 23

Celebrating 81 years of Naval aviation, the Naval Weapons Center (NWC) will present an air show featuring the famed Blue Angels Flight Demonstration Team, Air Test and Evaluation Squadron Five (VX-5) and members of NWC's Parachute Test Operations Branch on Saturday, March 23.

Visitors will be admitted to NWC starting at 9 a.m., with the air show expected to start at about noon. Admission to the show is free of charge, but optional bleacher seat tickets may be purchased at NWC's Craftech Center for \$5 per seat. Call 939-3252 for details.

Because of security restrictions, everyone 16 years of age and older must have a current picture identification to be admitted to the show. There will be separate gates for people with NWC access badges or military identification. Instructions will be given by signs as motorists approach the NWC gates. In addition, people attending the show will not be allowed to bring objects which might conceal explosives inside the flightline security fence. Items prohibited include cameras, binoculars, coolers and metal folding chairs.

A parachute jump from a helicopter including the AH-1 Cobra attack helicopter and Navy attack aircraft, through their paces, demonstrating simulated

Test parachutists take first bows at air show

Two helicopters and nine test parachutists will open the 1991 Naval Weapons Center air show on Saturday, March 23. The jumpers, members of the Parachute Test Operations Branch of the Aerosystems Department, will lead off the afternoon with the traditional American flag jump.

After the parachutists with the flag touches down, the action begins. A "tracker" with a smoke device will demonstrate the maneuverability of modern parachutes. Next, two jumpers with smoke will contrast slow and fast descent rates. The fourth jump will be a simulated special forces jumper using all the special equipment called for by this kind of parachutist. And, wrapping up the Parachute Test Operation's portion of the show will be a four-war star, four jumpers from the final helicopter showing how teams work.

be followed by four more jump demonstrations by NWC test jumpers. VX-5 pilots will put their aircraft, weapons delivery in front of the crowd. At about 2:30 p.m., the Navy's Blue Angels will take to the air above the Indi-

Wells Valley for their first show here since 1988. Flying F/A-18 Hornets, the Blues bring combat tactics down to treetop level. This show features precision maneuvers developed in practice and actual combat by Navy and Marine Corps pilots. These are the same kinds of maneuvers used by pilots during Operation Desert Storm.

In addition to the aerial demonstrations, NWC departments will have static displays inside a hangar, showing some of the contributions made to the national defense effort made at China Lake since its founding in 1943. Area defense contractors will also exhibit some of the developments they have made in support of NWC over the years. And various military aircraft in the current U.S. inventory will be on static display.

Food, drink and souvenirs will be on sale by the Morale, Welfare and Recreation Division of NWC and area non-profit organizations. Hamburgers, hot dogs, beer, soft drinks, candy, t-shirts, hats, patches and more will be available throughout the day. Remember, admission is free.

Get the latest on the new design standard for PWB & assemblies

On April 2, a one-day workshop for the new design standard for Printed Wiring Boards (PWB) and PWB assemblies (IPC-D-275) will be held at the Training Center. On-Center Training Requests should be submitted by March 22 via department channels to the Training Center.

During the past several years, there has been considerable changes in the technology of interconnection for electronic components. Higher circuit speeds, higher component and thermal densities and surface mount components have prompted new materials and design requirements.

The standard covers general design considerations, component mounting and attachment, board design requirements, documentation and phototooling, quality assurance requirements and board material considerations for single-sided, double-sided

and multilayer boards with or without metal cores and blind or buried vias. Through hole and surface mount designs are covered in detail.

The standard is an excellent source for information on electrical requirement considerations such as power distribution, impedance/capacitance control and embedded microstrips. Mechanical and thermal design requirements sections cover materials for structural strength, coefficient of thermal expansion, thermal matching, thermal transfer and design considerations for vibration.

Important aspects of the workshop will be design for reliability and producibility. Both of these aspects have proven to be very important at the start of the design to give the most cost effective and reliable systems. For more information, call Roger Nickell, NWC ext. 1828.

Applications sought for summer employment program

Applications will be accepted for the Federal Summer Employment Program at the Naval Weapons Center, China Lake, CA for 1991 until April 15. The program begins on May 14 and continues through Sept. 30.

The total size of the program will be limited to approximately 50 positions.

Applications for all categories of positions may be mailed to: Commander Code 225, Attn: Summer Employment Office,

Naval Weapons Center, China Lake, CA 93555-6001; or taken to Naval Weapons Center (Code 225), Civilian Personnel Building (No. 2335), 505 Blandly, Room

233, China Lake, Calif. For more information, call NWC ext. 3371.

Soldering instruction available in March, May

During the months of March and May, the Soldering Technology Branch will be offering three soldering classes, one 40-hour high-reliability soldering course to MIL-STD-2000 and two 24-hour recertification courses to MIL-STD-2000. All courses will be held at 543 Graaf Street from 7:30 a.m. to 4:30 p.m.

The 40-hour high-reliability soldering course will be held March 18-22. This course is for government/contractor personnel needing certification as inspectors or operators. Requirements for the course include (1) previous soldering experience and (2) a current eye examination.

The first 24-hour recertification course will be held March 25-27, with the second one scheduled for May 29-31. These courses are for government/contractor personnel requiring annual recertification as inspectors or operators. Course prerequisites include (1) previous certification to MIL-STD-2000 and (2) a current eye examination.

To be scheduled for any of these classes, contact the Soldering Technology Training Facility, Code 36812, at 446-5571. After being scheduled, please submit a Training Request (NAVWPNCEN 12410/73), with the appropriate job order to be charged annotated in Block 16, via department channels to Code 36812.

Party salutes air show pilots

China Lakers and area residents will have a chance to meet and talk to members of the Blue Angels team during an informal reception at 6 p.m. on Thursday, March 21, in the Naval Weapons Center's Seafarer Club. Casual dress is the uniform of the evening. The cost is \$5 per person for a buffet meal of chicken, baked beans, potato salad, coffee and tea. Reservations are required. Pay at the door. For reservations call NWC ext. 3512.

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or call the Inspector General at:
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288-6743 (Autovon)

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The most common reasons for making a bomb threat are one, the caller simply wants to disrupt normal activities, and two, the caller has definite knowledge of a bomb, and wishes to minimize the risk of injury to others. Bombers, especially terrorists, normally aren't random attackers. Terrorists most often select a target according to the potential publicity and political or psychological gain that might be achieved by a bombing. Generally, terrorists bombings are meant to destroy property, but not endanger lives; however, this generalization has not always held true and should not be accepted as a routine guideline. Criminal bombers, other than terrorists, select targets for a variety of reasons: revenge, extortion, and intimidation being among the most prominent.

Be prepared...page IV of the Naval Weapons Center's telephone book has a bomb threat checklist. Familiarize yourself with this list and keep a copy of it near your telephone. If you receive a telephone threat, notify your supervisor immediately. (Code 24301).

Computer Society features *Why of Ada*

China Lake Chapter of the Computer Society presents John P. Francis of the Naval Weapons Center's Inertial Development Branch, who will discuss *The "Why" of Ada* during a luncheon meeting March 26 at the Seafarer Club. The luncheon begins at 11:30 a.m., followed by the lecture program at noon.

Francis will elucidate the reasons for using a verbose and difficult computer language which is already, due to "Mil-Std's," a pleonastic, arduous, and time-consuming job. Could we live without Ada? Is NWC committed to Ada? What should the individual engineer know about Ada to survive the impact?

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HELPING THEIR ADOPTIVE COMMUNITY -- Members of the Royal Air Force's #32 Joint Trials Unit recently donated more than \$500 to Ridgcrest Community Hospital's Tree of Life. The money was raised by general fund raising efforts. Shown above are (l to r) Cpl. Nick Mills; Sgt. John Rugg; CT Brian Harshaw; RN Celia Mills; Wing Cdr. Mike Russell, officer-in-charge; and David Mechtenberg, hospital administrator.

Photo by PH3 Cary Brady

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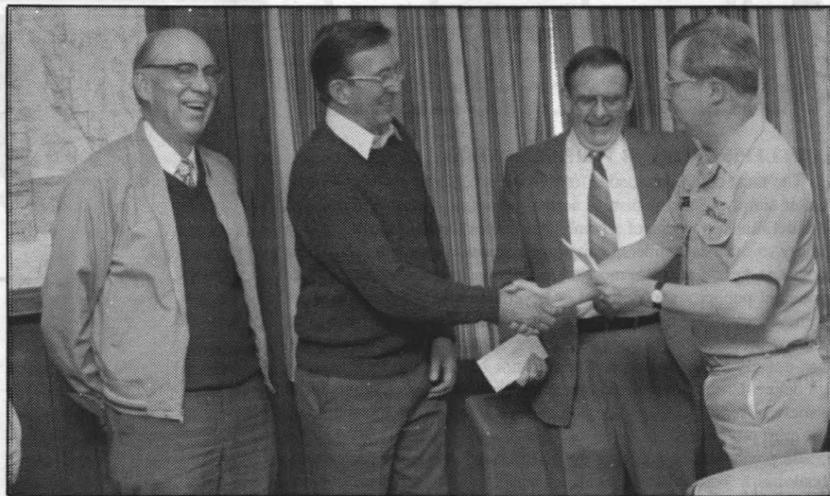
Three China Lake inventors share second round of license payments

Three Naval Weapons Center inventors are a little richer and NWC has a few more dollars with which to foster technology development thanks to \$10,000 in royalties received from American Cyanamid and Chemical Devices Corp. for use of chemiluminescent technology developed here.

Ron Henry, Joe Johnson and Herb Richter were the inventors rewarded for their efforts. The invention consists of a chemical activator and dye that are critical elements in production of chemiluminescent light sticks. The invention was patented and a licensing agreement reached in August, 1989. Annual royalties will be received by NWC and the inventors for the life of the patent. Eighty percent of the royalty payment goes to NWC and is used to foster technology development. The remaining 20 percent is paid to the inventors.

Licensing agreements are made possible by the 1986 Technology Transfer Act. Under this act, the government can use licensing agreements to commercially license its technology to private industry for a negotiated fee.

Any China Laker who has an invention which a private firm may be interested in licensing is urged to call the Commercial Application and Transfer Office headed by Elaine Wunderlich at NWC ext 3481 or 3482. This office, part of the Office of Counsel, works closely with inventors and the Industrial and Government Liaison Office, headed by Chuck Newmyer, to facilitate and obtain licensing agreements.



PATENT ROYALTIES—Three Naval Weapons Center inventors receive the latest royalty checks from two firms using chemiluminescent technology under a license from NWC. Capt. Douglas W. Cook, NWC Commander, presents the checks to (from left) Ron Henry, Herb Richter and Joe Johnson. Photo by PH3 Cary Brady

CHP enforcing new left turn regulations

California has adopted stricter requirements for using two-way left turn lanes. Many employees entering the Naval Weapons Center by way of the Main Gate have probably noticed traffic officers from the California Highway Patrol (CHP) near the intersection of Inyokern Road and China Lake Blvd (State Route 178). The reason for CHP presence is due to a number of complaints being received that motorists are using designated two-way left-turn lanes as a lane of travel in order to

avoid traffic congestion in the eastbound lanes of Inyokern Road near China Lake Blvd.

It is important to note that during the 1990 legislative session, the State of California adopted stricter requirements for using two-way left-turn lanes.

Section 21460.5(c) of the California Vehicle Code states: "A vehicle shall not be driven in a designated two-way left-turn lane except when preparing for or making a left turn from or into a highway or when prepar-

ing for or making a U-turn when otherwise permitted by law, and shall not be driven in that lane for more than 200 feet while preparing for and making the turn or while preparing to merge into the adjacent lanes of travel. A left turn or U-turn shall not be made from any other lane where a two-way left-turn lane has been designated."

Motorists who are observed to be in violation of the aforementioned law can be issued a violation.

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Training Center offers variety of classes

TQM--Putting the Principles to Work (16 hours)

March 26-27, Tuesday-Wednesday; 0800-1600; Carriage Inn. By Roger Kirkham, consultant.

Prerequisite: Completion of Roger Kirkham's 2- or 3-day course *How to Thrive on Chaos and Achieve Total Quality Management*.

Reading Prerequisite: (to be completed before class) (1) *Guide to Quality Control*, by Kaoru Ishikawa and (2) *The Deming Route to Quality and Productivity*, by William Scherkenbach. Books are available at Serv-Mart.

Scope: The 2-day intensive course builds on what you learned in Roger Kirkham's 2- or 3-day course. Topics covered include world-class quality and quantitative methods, quality measures and assurance units and the difference between "thrilling and wonderful" and "woefully inadequate."

Enrollments are on a call-in basis only -- first-to-call, first-to-be placed. To enroll, or for further information, call NWC ext. 26868.

Deadline: March 15.

Introduction to Networking and ONC (8 hours)

March 26, Tuesday; 0800-1600; Training Center. By Sun Microsystems, Inc.
Scope: This course is an introduction to networking in the TCP-IP (Transmission Control Protocol) and ONC (Open Network Computing) environments. As a prerequisite, the student should be familiar with the basic concepts of networking, but no prior hands-on experience is necessary. Topics to be covered are TCP-IP -- the basics; ONC -- overview; ONC -- the components; and ONC -- for programmers.

To enroll, call NWC ext. 2451.

Deadline: March 18.
Introduction to UNIV (8 hours)

Co-workers need help...

(Continued from Page 20)

Tamera Nelepovitz, Electronic Technician, Code 3573 -- is experiencing severe complications due to dependent diabetes and is indebted for leave.

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

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

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

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

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

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Brooches and bracelets are as popular today as they were in ancient Rome. Brooches were used to fasten cloaks and togas and were worn on the right shoulder. Bracelets were worn by both men and women.

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March 25, Monday; 0800-1600; Training Center. By Sun Microsystems, Inc.

Scope: This course is designed for new users of SunOS and is geared to both the naive as well as the experienced user. The session focuses on a broad overview of the tools and facilities that SunOS provides without concentrating too long on one specific topic. The ultimate course agenda is to provide the student with an understanding of the concepts of SunOS and a path or direction on how to learn more. Topics to be covered are the file system; common commands; text handling; processes and jobs; and programming and using the shells -- Bourne and "C" shells.

To enroll, call NWC ext. 2451.

Deadline: March 18.

Self-study classes

Fast Track Self-study, Training Center.

It's Not My Department, by Peter F. Drucker. Bold customer service strategies covering everything from hiring, training and motivating front-line employees to keeping executives in touch with the company's customers. Includes an interview with Peter Glen.

Winning Office Politics, by

Andrew J. DuBrin. A candid look at the realities of playing office politics and how to use political strategies that are effective yet ethical. Includes an interview with Andrew DuBrin.

Parenting Young Children Self-study, Training Center.
By Don Dinkmeyer & Gary McKay.

This book offers helpful strategies based on Systematic Training for Effective Parenting (STEP) for parents of children under six. During the first five years of life, children change rapidly and dramatically. You are your child's first and most influential teacher. *Parenting Young Children* will provide a look at the long-term goals of parenting; information on how young children think, feel and act; skills that can increase your enjoyment and effectiveness; skills that can develop your child's self-esteem and confidence; and support for yourself as a parent and as a person.

The Parent's Handbook Self-study, Training Center.
By Don Dinkmeyer & Gary McKay.

This is one of the STEP books which provides a practical approach to parent-child relations. It is designed for parents of children ages 6-12. The premise is that being an effective parent is

one of the most rewarding and challenging tasks in life. Part of the challenge involves sorting out all of the conflicting theories of child training one finds in books, newspapers and on television. It is easy to become confused. STEP leads parents through a democratic philosophy that more than two million parents have found to be effective.

Precious Metal Recovery Self-study, Training Center.
By Odessa Newman-Staples, Code 2832.

Who's got the gold and silver? You may have unknowingly tossed it! NWC is a major contributor to the DoD Precious Metals Recovery Program (PMRP) effort which aids in the purchase of defense materials at a fraction of the cost of open-market purchases. You will learn of precious metals-bearing items which should be recycled and will view the silver recovery process at Michelson Laboratory.

Living With Arthritis Self-study, Training Center.

A practical guide hosted by All-Pro NFL "Boomer Esiason" who suffered from arthritis as a teenager. An encouraging video for people affected by the pain, loss of movement and fatigue generally affiliated with arthritis. Simple tips on making exercise, work and play less painful.

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Employees need extra hours due to medical emergencies

Employees indicated below have been approved to become leave recipients under the Leave Transfer Program. These employees have exhausted annual and/or sick leave because of personal emergencies and will be in a non-pay status for at least ten days. Employees who wish to donate annual leave to the employee should call NWC ext. 2018.

Judith Talbot, Secretary, Code 001 -- is undergoing follow up treatment from a surgery performed in September and is in need of leave.

Mildred Haywood, Secretary, Code 6531 -- is in need of leave due to back injuries sustained in a car accident.

Barbara Miller, Fiscal Accounting Clerk, Code 2855 -- underwent surgery and is in need of leave.

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

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

Deborah Ann Ball, Computer Scientist, Code 3922 -- underwent abdominal surgery and is in need of leave.

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

Sandy Joyal, Procurement Assistant, Code 257 -- broke her elbow in four places and is presently unable to return to work.

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

Thomas Boyd, Visual Information Specialist, Code 3414 -- is off work and indebted for leave due to osteomyelitis of the spine.

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

Marlene Nelson, Paralegal, Code 006 -- underwent unexpected emergency surgery and is in need of leave.

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

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

Anita L. Rohloff, Clerk, Code 3193 -- is suffering from multiple sclerosis and bilateral optic neuritis.

Madeline Kay Blackston, Computer Security Specialist, Code 6447 -- is required to care for her husband who has terminal lung cancer.

Cheryl Mosley, Secretary, Code 3217 -- is in need of leave to care for her son who underwent surgery.

(Continued on Page 21)

Crosswalks unsafe?

When is a crosswalk unsafe?

Apparently, when it is painted on the street!

As you walk or drive around the Center, you may notice many of the pedestrian crosswalks appear to be fading out. The reason for this is simple. Painted pedestrian crosswalks can actually present a hazard to pedestrians!

Some years ago, San Diego City published some startling results on the relative safety of marked and unmarked crosswalks. The city monitored crosswalks at 400 intersections for five years. Each intersection had a marked crosswalk on one side and an unmarked crosswalk on the other. None of the intersections were controlled by signals or four-way stop signs. The results of these studies; the marked crosswalks were used by about two and a half times as many pedestrians as the unmarked crosswalks. But six times as many pedestrian-vehicular accidents occurred at the marked crosswalks as at the unmarked crosswalks!

Long Beach officials have also studied pedestrian safety. After three years, they found that eight times as many pedestrian-vehicular accidents occurred at intersections with marked crosswalks as at those without. One explanation of this apparent contradiction of common sense is the false security pedestrians feel at the marked crosswalks. Two painted lines do not provide protection against an oncoming vehicle. The real burden of safety must be with the pedestrian to be alert and cautious

while crossing any street.

California motor vehicle codes state that a crosswalk exists at all intersections unless pedestrian crossing is prohibited by signs. Some of these crosswalks are marked with painted lines, but most are not. Such marked crossings, however, may not be as safe as an unmarked crossing at the same location.

Based on the results of these studies, the Naval Weapons Center Traffic Safety Council has decided to allow our painted crosswalks to fade away with the exception of the school crossing pedestrian crosswalks (recognized by their orange or yellow color rather than the standard white) located around the various schools on Center. The decision to leave these intact and visible is to support the schools in promoting the concept of where the safest crossing location would be.

The Naval Weapons Center has not had a pedestrian fatality in over three decades, it is hoped we can continue this trend in the years to come. Remember, whenever you cross a street, whether that crosswalk is painted or not, whether there is a stop sign there or not, look both ways for approaching traffic. If a motor vehicle is approaching, attempt to make eye contact with the driver to ensure that person is going to stop and allow you to cross safely.

The only thing that can protect you is... you. By the Safety Program Office



GOING, GOING, GONE -- Members of the Military Officers' Wives Club (MOWC) are busy getting ready for their annual Creative Auction set for 6:30 p.m. at the Seafarer Club on Friday, March 15. (l) Corine Palmer, (rear) Lori Kellett, (front) Jennifer Farrington-Hoffman and (r) Mary Spear show some of the items up for grabs. Over \$5000 worth of door prizes will be given away. Admission is \$5. Proceeds benefit the MOWC scholarship fund for military dependents and local non-profit organizations.

Tax deadline looms in county

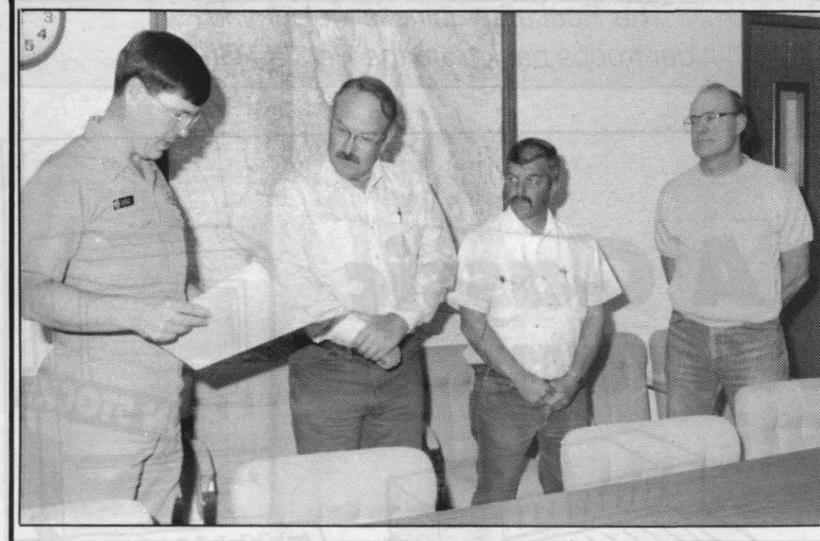
Kern County's assessor, reminds homeowners and veterans that Monday, April 15, is the last day to file for homeowners, veterans and disabled veterans property tax exemption.

Those persons who have acquired a home since March 1990 and have not previously filed, should do so on or before

April 15. The Homeowner's exemption is \$7,000 of market value.

If a homeowner owns and occupies a residence or mobile home on March 1 and has previously filed for and received a homeowner's exemption on that property, there is no need to refile.

The disabled veteran's exemption has a maximum assessed value of \$150,000 for veterans with a 100 percent service connected disability. There are no residency requirements for this exemption except, the veteran must reside in California as of March 1.



A JOB WELL DONE -- Cdr. James R. Williams, NWC's Public Works officer, reads a letter of appreciation to representatives of F2M Inc., Lancaster, Calif., thanking them for the excellent job they did in building the new Aircraft Integration Laboratory. The contracting firm's representatives are (l to r) Fred Wells, president of F2M Inc., Michael Quamme and Dean Davidson.

IEEE & SPIE share meeting with Bennett

Optics in Space will be the topic of discussion for a combined Institute of Electrical and Electronics Engineers (IEEE) and International Society of Optical Engineering (SPIE) luncheon at the Naval Weapons Center's Seafarer Club on Thursday, March 21 at 11:30 a.m.

Dr. Harold E. Bennett, Associate Physics Division Head in the Research Department of the Naval Weapons Center, will be the guest speaker for this joint meeting.

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P195/75R14	\$60.88
P205/75R14	\$63.88
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Housing Office seeking data through new survey

The Housing Office has mailed the Family Housing Survey to all military personnel with dependents. Please contact the Housing Office if you did not receive a questionnaire. It is important that the questionnaire be completed and returned as soon as possible. A return envelope was provided for your convenience.

Your prompt attention will be very much appreciated and will eliminate follow-up calls. Remember, all questions pertain to your status as of January 31, 1991.

CLP radar patrols listed

Motorists on board the Naval Weapons Center (NWC) are reminded that China Lake Police (CLP) officers enforce state and NWC traffic regulations.

According to Kerry B. Swigum, traffic manager, CLP Operations Branch, areas of concentration for radar traffic enforcement for next week are listed below.

- Friday -- Inyokern Road.
 - Monday -- Randsburg Wash Road.
 - Tuesday -- Lauritsen Road.
 - Wednesday -- Sandquist Road.
 - Thursday -- Richmond Road.
- Violations may be cited at any time, as well as in areas other than the ones mentioned above.

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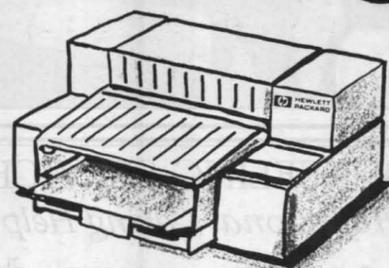
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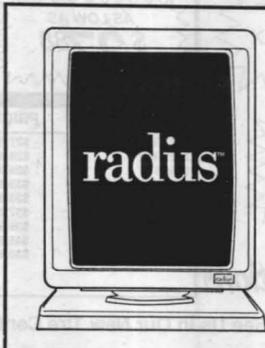
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Offer expires 3/15/91

Secretaries needed at NWC

(Continued from Page 18)

terms of making travel and security arrangements as well as submission of reports and memorandums. Knowledge of and working skills on the Macintosh PC is desirable, but not required. Must be able to obtain and maintain a Secret clearance. Promotion potential to DG-2, but not guaranteed.

No. 64-016, Secretary (Typing), DG-318-3/4, Code 64 - This position is located in the Aerosystems Department. The incumbent provides secretarial and administrative support for the Department Head and Staff. The incumbent must understand NWC operations and regulations with special emphasis on NWC correspondence procedures.

Applicants must be able to meet and deal effectively with others. Knowledge and working skill on the Macintosh PC is essential. Promotion potential to DG-4, but not guaranteed.

No. 64-017, Secretary (Typing), DG-318-A/1/2, Code 6431- This position is located in the Radar Development Branch of the Radar and Threat Technology Division of the Aerosystems Department. The incumbent provides secretarial and administrative support to the Branch Head. The incumbent must be able to obtain and maintain a Secret clearance. Knowledge and working skill on the Macintosh P.C. is desirable. Promotion potential to DG-2, but not guaranteed.

CSUB counselors advise students

Academic counselors for Cal-State University, Bakersfield (CSUB) will be on-Center March 15 to advise current and prospective students in the external degree programs offered by that school.

External degree programs offered at CSUB include a bachelor's degree in business

administration and a master's degree in administration. CSUB also provides math courses in other external degree programs at NWC.

Those who wish to see one of the counselors need to make an appointment by calling Helen Benes at NWC ext. 2648.

Cerro Coso offers late start courses

Cerro Coso Community College is offering several late start courses this spring. Subject areas include business office careers, beginning black & white darkroom techniques, computer science and drama, to name a few. Starting dates vary, so check the spring schedule for specifics.

Registration is being held on a first come, first served basis Monday through Thursday from 8 a.m. to 7 p.m. and on Friday from 8 a.m. to 4:30 p.m. People can register up to the day the class begins at

the Admissions and Records Office on the main campus. Enrollment fees are \$5 for each unit, or \$50 for 10 or more units.

Copies of the spring 1991 schedule of classes are available at the college, NWC Training Center, Kern County Library, Kerr McGee Center and Ridgecrest Chamber of Commerce.

For more information, call the college at 375-5001.

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GEHA rep visits Center

Bob Johnson, a Government Employees Hospital Association (GEHA) representative, will be visiting NWC to answer questions about GEHA or to address any concerns or problems. He will be at NWC on Tuesday, March 19, in Room 202 at the Training Center from 7:30 to 11:30 a.m.

For more information, call NWC ext. 2018.

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Personnel News

Promotional opportunities

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

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

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

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

Notice Regarding Drug Testing Designated Positions

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

No. 28-041, Budget Clerk/Assistant, DG-561-1/2, Code 2837 - This position is located in the Corporate Budget Branch. The incumbent assists in the coordination of the centralized job order input/output and fund document acceptance processes for the Center. **Job Relevant Criteria:** Knowledge of accounting or budget procedures; skill in operating computer terminals. Ability to deal effectively with customers. Promotion potential to DG-2.

No. 32-003, Mechanical Engineering Technician, DT-802-2/3, Code 3216. This position is located in Maintenance Branch "B", Energetic Materials Division, Ordnance Systems Department. The incumbent is supervised by the branch head;

however, most work is performed directly with scientists and engineers. The incumbent will be responsible for fabrication of specialized ordnance development and formulations equipment. Responsible for design and fabrication of specialized ordnance tools, jigs, fixtures, molds, etc. Interfaces with scientists and engineers and works from drawings, sketches and/or verbal instructions. Often required to provide and implement solutions to verbally defined problems or short notice. The position requires standing for extended periods of time, lifting heavy weights, and wearing protective clothing and safety equipment., **JOB RELEVANT CRITERIA:** Knowledge of basic math, algebra, trigonometry; knowledge of

ordnance safety; ability to operate machine tools; ability to develop and interpret schematics and engineering drawings; ability to communicate orally; ability to communicate in writing. Promotion potential to DT-3, but not guaranteed.

No. 34-018, Photographer (Laboratory), DT-1060-A/1, Code 3451 - This position is located in the Photo Lab Services Branch, Photographic Division, Technical Information Department. The incumbent will perform all standard techniques and procedures necessary to produce accurate and precise black and white photographic prints and transparencies. The incumbent will use various types of manual enlargers, analyzers, contact printers, automatic black and

white processors, and also perform related photo finishing duties. The incumbent will be trained to produce color prints and viewgraphs, both in custom and automatic color printing sections. Training in related quality control color functions and specialized equipment will be received. **Job related criteria:** Knowledge of laboratory processes and procedures; ability to use basic technical publications. Promotion potential to DT-2. Previous applicants need not reapply.

No. 38-003, Aerospace Engineer, DP-861-3/4, Code 3892 - This position is located in the Propulsion Research Branch of the Engineering Sciences Division. The incumbent conducts experimental and theoretical turbulent flow research related to airbreathing combustion, jet noise, and plume signature. **Job Relevant Criteria:** Knowledge of basic understanding of shear-flow development through vortex shedding and vortex interaction; knowledge of shear-flow/com-bustion interaction; knowledge of passive and active shear-flow/com-bustion control; knowl-edge of advanced laser diagnostics for combustion research; knowledge of nonlinear theory related to shear-layer dynamics. The full performance level of this position is DP-4. The closing date of this advertisement is 28 March 91.

No. 62-013, Electronics Technician, DT/DP-856-3, Code

62311- This position is in the Electro-Optical Branch, Instrumentation Systems Division of the Range Department. The incumbent operates, maintains, and provides the design and development of highly specialized optical and electronic devices, with emphasis on laser equipment, to gather test data for NAVWPNCEN Ranges. The incumbent performs work using specialized optical, video, film, and tracking equipment, and he/she is also responsible for improvising new methods and techniques for using such equipment. Typical equipment used within the Branch, but not restricted to, are: GTE LRMK-II 1.06 micro meter laser; associated test instruments; various tracking mounts such as Cine Sextants, Cine Theodolites, Contraves KTM's, Askania (MCMs), M-45s; medium and high speed cameras; specialized shuttered video cameras; recorders and other related equipment. Incumbent will assist in planning and conducting field tests. **Job Relevant Criteria:** Knowledge of photo-optical and electro-optical systems used in gathering field test data; knowledge of NWC test range instrumentation; knowledge of weapons system control functions; knowledge of T&E of weapons systems; knowledge of NWC test range operations. Promotion potential to DP-3, but not guaranteed. This ad closes on 12 April 91.

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 applications 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. 35-009, Secretary (Typing) DG-318-1/2, Code 35B5 - Incumbent will provide secretarial and administrative support to the Bomb Systems Project

Office, Attack Weapons Department. The incumbent will provide secretarial support to the Project Officer and engineers in (Continued on Page 19)

Wellness Corner



What is cholesterol and how do people get it?

Cholesterol is a soft, fat-like substance found in all the body's cells. It's used to form cell membranes, certain hormones and other necessary substances.

People get cholesterol in two ways. The body -- primarily the liver -- produces varying amounts, usually about 1,000 mg a day. An additional 400 to 500 mg or more can come directly from foods. Foods from animals, especially egg yolks, meat, fish, poultry and whole milk dairy products, contain it; foods from plants don't. Typically, the body makes all the cholesterol it needs, so it's not something that people need to consume to maintain their health.

Besides being present in human tissues, cholesterol is also found in the bloodstream. The blood transports it to and from various parts of the body. Hypercholesterolemia is the term for high levels of cholesterol in the blood.

BLOOD DRAW SCHEDULE 1991

March 15 -- Branch Medical Clinic
March 15, 19, 20, 21 -- Michelson Lab, "Little D" Conference Room
PHYSICAL FITNESS ASSESSMENT SCHEDULE
March 18 -- EWTES, Fire Station-call Bret Jacobson for appt., NWC ext. 3571, x315NWC
March 19 -- CLPL, Bldg. 115-call Sandy Brown for appt., NWC ext. 7418

March 20-21 -- Seafarer's Club
March 25-29 -- Michelson Lab, B/C Conference Room
April 9-11 -- Branch Medical Clinic-physician attended

The easiest way to make your appointment for a blood draw or fitness assessment is by computer. You do not need an account number. Simply go to any computer or terminal that will connect to the SCFC VAX. If you have access to another VAX on the network, log on and type "set host scfc". Once connected to SCFC, "user name" will appear on the screen. Type in "Wellness" and options will appear for scheduling, deleting, or looking up appointments for the blood draw and physical fitness assessments. If you do not have access to the SCFC VAX, call NWC ext. 2468 and leave a message giving your name, extension, code, and the date, place, and time you want your appointment.

CHAMPUS:

Active-duty service members need to remember rules for medical care

Active-duty service members who must get medical care from civilian sources should **not** send claims for that care to firms that process CHAMPUS claims.

Likewise, civilian providers who treat active-duty military should not file claims for such care with CHAMPUS claims processors.

Each branch of the uniformed

services has its own address or set of addresses where claims for civilian care received by active-duty members must be sent for processing. Members (or civilian providers of care) should check with the nearest military hospital to find out where to send claims.

Active-duty service members are not eligible for CHAMPUS benefits.

Their families are CHAMPUS-eligible, however, and normally should send claims for care under CHAMPUS to the CHAMPUS claims processor for the state or area in which the care was received. Check with Micki Edge, NWC ext. 2911, for details on where to send CHAMPUS claims.

Don't let your back be a real pain

Eighty percent of Navy members develop back problems during their careers. Incorrect lifting, twisting and bending, poor posture, lack of exercise and excess weight are common sources of pain and injury.

Back experts agree that the use of proper lifting techniques is essential for preventing back injury on the job or at home. Improved posture and weight reduction help protect muscles which protect the spine as well, thus decreasing the likelihood of back problems.

Also important for fighting back problems is exercise. Swimming, walking and biking are particularly good for getting in shape without straining the back. The

heart and lungs benefit, too, and bellies flatten.

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Washington Scene

Nurse Corps formation began a history of service and tradition

WASHINGTON (NNS) -- Since the formation of the Navy Nurse Corps in 1908, women have filled an ever increasing role of tradition and service to their country, and that role is highlighted during Women's History Month this March.

"The first 20 nurses -- in reality, the first women in the Navy -- reported to Washington, D.C. in October 1908," said Capt. Kathleen Bruyere, Special Assistant for Women's Policy for the Chief of Naval Operations. "Today, we have more than 60,000 women on active duty worldwide."

Perhaps the best tribute to the increasing role of navy women lies in their contributions to Operation Desert Storm,

Bruyere said. "Navy women are now serving in every area allowable by law, and never more effectively than in the Persian Gulf. More than 2,500 women have been deployed aboard ships, squadrons and other units taking part in the operation -- side-by-side with their male counterparts -- doing what they are trained to do."

Women are serving at sea and in non-traditional jobs in every-increasing numbers. Navy ships (other than hospital ships) were first opened to women in 1978, and operational air reconnaissance squadrons were opened to women in 1984. Today, more than 8,000 are serving at sea, and more than 5,000 are assigned to

squadrons.

"Women continue to make great strides in the Navy, in officer and enlisted ranks, and in traditional and non-traditional fields," said VAdm. Mike Boorda, Chief of Naval Personnel. "And we expect stability for women's opportunities, even as the Navy becomes smaller in future years."

"We've seen a lot of progress just within the past three year," Bruyere added. "About 9,000 new billets have been opened to women since 1987 -- most significantly, the opening of two Fleet Air Reconnaissance Squadrons and 24 Combat Logistics Force ships. These two actions tremendously improved career opportuni-

ties for Navy women, and I think our trailblazers -- the "yeomanettes" and nurses of World War I and WAVES (Women Accepted for Volunteer Emergency Service) of World War II -- would be very proud."

Bruyere called 1990 a "banner year" with many "firsts," including the first women to command a ship, squadron and a naval station. The 1990 update of the Navy Women's Study Group, makes more than 150 recommendations "to ensure that kind of progress continues." she said. "We have come so far toward full integration. . . we don't want to lose the momentum. History has proven that women are increasingly valuable -- in fact, indispensable -- mem-

Navy Memorial sculpture honors the role of women in uniform

Washington (NES) -- Pins and badges twinkled on black sashes and garrison caps -- small remnants of devotion -- studied memories of World War II.

On a circular granite map, the largest in the world, Navy women of all ages and eras walked, searching out familiar faces and taking pleasure in new ones --

their eyes and smiles glowing, sharing in reflective satisfaction.

Fore more than 60,000 active-duty women in the navy today and countless others who have served throughout naval history, last Oct. 13 was not just the Navy's 215th birthday. It was the day a bronze bas-relief sculpture was dedicated to Navy women,

past and present, at the U.S. Navy Memorial in Washington, D.C.

The sculpture depicts officers and enlisted women working on the bridge of a ship. Dedicated to Navy women, it is the first sculpture to be fully-funded by various Navy women's organizations. The Women Officers' Professional Association and the Navy Women's National Convention Associ-

ation campaigned to raise \$50,000 for the sculpture.

The bronze bas-relief is the second of 22 sculptures to be added outside the Navy Memorial. Work continues on the 22,000-square foot Navy Memorial Visitors' Center scheduled to open in late spring or early summer 1991.



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First IWV technical seminar draws about 100 to Michelson Lab

Nearly 100 China Lakers turned out for the first IWV Multi-Organizational Technical Seminar last Friday. The day-long event focused on what the future may hold for the Naval Weapons Center and its personnel in several different areas. "Tree" Crabtree, seminar coordinator, said the

idea was to expose technical people at NWC to what changes they could look for in fields such as procurement, patents, communications, budgeting and logistics as they work on the weapons systems of the next century.

Among the speakers were Jerry Macy,

head of the Office of Comptroller's Budget and Resource Analysis Division, Harvey Gilbert, Office of Counsel, and Jim Fields of the Center Telecommunications System (CTS) office.

Speakers discussed and answered questions about how shared databases might

impact the development process; how changes in budgeting could affect project accounting and how new procurement regulations could change the degree of flexibility technical offices have in getting the materials they need for research and development efforts.

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Rules/scorekeeping clinic set by local baseball organization

All prospective coaches, managers and parents who would like to help the Indian Wells Valley Youth Baseball League to have the best year ever should attend the free rules/score-keeping clinic scheduled for Saturday, March 16, from 10 a.m. to 12 noon at the Kerr McGee Center.

Coaches and managers can learn the latest rules affecting baseball. Learn when to protest a call and what to do when the other team breaks the rules. The clinic will be given by Rick Booth, the league's head umpire.

Mothers and fathers are urged to attend the score-keeping portion of the clinic. Help your

child's team out by volunteering to keep score. Does the score book scare you? Attend the clinic and learn what a sacrifice, error or hit is. The score-keeping portion of the clinic will be given by Teresa Freeman, who because the clarity of her books was asked to be the official score keeper in last year's All Star tournament.

Mothers interested in becoming team mothers also need to attend the clinic. This year, the league is going to run its own snack booths. General information on the booths and schedules needed will be discussed.

Get involved!

Fund-raising bowling tourney planned

On Saturday, March 16, Sierra Lanes will host the eleventh annual Fred Dalpiaz Jr. Memorial Bowling Tournament. This is a three-game men/women singles championship event. It starts at 2 p.m. and registration will be accepted up to 1 p.m.

Proceeds go to the Richmond School special education fund and the High Desert Child Abuse Council. Each participant will be eligible to win one of the many door prizes available. Raffle tickets will also be sold for a new bowling ball of your choice.

Flying Club holds its safety meeting

On March 20, there will be a safety meeting for members and prospective members of the China Lake Navy Flying Club at the club's shack, beginning at 7 p.m.

For more information, contact L. Workentin at NWC ext. 6540; L. Phillips, NWC ext. 7283; or M. Hunter, NWC ext. 4867. For comfort sake, you may wish to bring a lawn chair.

Lake Ming closes

On March 16 & 17, the National Jet Boat Association and Kern County Boat Club will conduct drag boat races at Lake Ming. The lake will be closed to public use (including fishing) on these days and will reopen on Monday, March 18.

Season ends...

(Continued on Page 16)

scoring by each team member. Brooke Fryar led the pack with 30 points, followed by Andrew Huston who tossed in 11 points. Other scorers were Jay Norlund, Lisa O'Neil, David Sutherland, Jimmy Huttmacher, Chris Maki and Sommai Otto. The Pistons did not turn in a score sheet.

Division III

Kings 55, Celtics 52

Despite 20 points by Tim Jacobs and 11 each by Jimmy Adam and Galen Wilson, the Celtics were beaten by the Kings. Toby Adam and Thomas Keelson also scored in the defeat. The Kings did not turn in a score sheet.

IWV youth softball league reveals registration dates

Indian Wells Valley Youth Softball has announced the registration schedule for 1991. Children 5-19 years old who are interested in playing softball can register on Monday, March 11, and Wednesday, March 13, from 5 to 8 p.m. at Hitters Restaurant; Saturday, March 16, from 9 a.m. to 2 p.m. at the Kerr McGee Center; and the following weeking on Tuesday, March 19, and Thursday, March 21, from 5 to 8 p.m. at Hitters Restaurant.

On Saturday, March 23, the IWV Youth Softball League will conduct a clinic on fundamentals, along with additional registration time, at Murray Junior High School fields from 9 a.m. to 1 p.m.

Age divisions for the league are 5-8 year olds, Pinto; 9-12 year olds, Bronco; 13-16 year olds, Pony; and 17-19 year olds, Palomino.

Games start on April 15. Volunteers are needed to act as coaches, managers and umpires.

For additional information, please call Sean Keck at 375-7507 or Anita Piaz at 375-7033 after 5 p.m.

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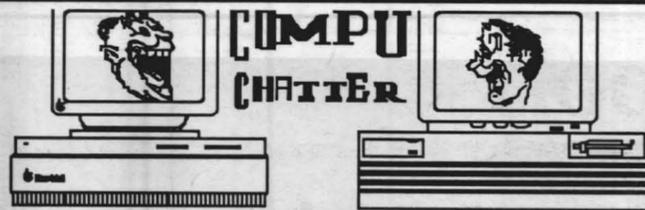
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Mac Microsoft Word Tips, Continued

Tables
Use tables to create simple tabular layouts, like a two-column list, or more complex page designs, such as business forms or side-by-side text and graphics. The Insert Table command will put a blank table in your document. Enter data and tab between cells. You can use the arrow keys on the keypad to move up, down, left, and right. To size columns, click on the scale icon (last one on the ruler) and move the T bars. Convert existing text into a table, such as a tab-delimited database that has been imported into word. You can split tables, use styles, add borders, sort, and generally do any text and paragraph formatting available in Word.

Sort
Have you ever created a list of names in Word and wished they would alphabetize automatically? Select the list and choose Sort from the Utilities menu. If you need them in descending order, hold the shift key while choosing Sort.

Calculate
Word has the ability to perform basic mathematical calculations. Say you have a table with a column of numbers and want to add them up. Select the the cells

to add and press command and =. The result will display in the status bar (lower left corner) and is on the clipboard. If you have typed your columns with tabs instead of a table, you can select a column by holding down the Option key and dragging down the column. To perform calculations other than addition, you must enter mathematical operators. For example, to multiply 10 times 2, you would type 10*2, then select it and choose Calculate from the Utilities menu.

Formulas
You don't have to be a technical or scientific writer to use Word's character formulas. A wide variety of special symbols are available such as overstrike, fraction, array, and integral. To enter a formula, first type a special character using Option-Command-^ (it looks like a backslash with a period under it). Follow this special character with one or more commands, each requiring an argument. A command's argument(s) must always be enclosed in parentheses. Here's an example, to enter the fraction f(1,2) you type .f(1,2).

Imported Files
Sometimes files transferred from other sources, such as E-mail messages or other word processing programs, have unwanted extraneous characters. Control

codes, tabs, and paragraph returns can be edited out with the Change command. First, find out what the ASCII code that represents the character is. You can do this by highlighting the character and pressing Option-Command-Q. The ASCII code will display in the status box (lower left corner). Now issue the Change command, enter the code, preceded by a caret, as your find text, then enter nothing in Change To.

On a personal note, I'm sorry to say I won't be writing the Compuchatter article any longer. I'm transferring to the Boeing facility at the airfield and will be working in a different department.

It's been a BLAST!
Donna Hanson

Navy/Marine Corps Relief offers four days training

Georgia Gould, former Navy Relief Society director of budget counseling in El Toro, will instruct a Navy-Marine Corps Relief Society course at the Naval Weapons Center from April 22-26. The class will be held at the China Lake Navy-Marine Corps Relief Office at 1811 Lauritsen Road from 9 a.m. to 12 noon each day.

The course will cover topics ranging from pay and allowances and Navy-Marine Corps Relief policies to volunteer programs and opportunities.

Students completing the course, which is open to everyone, will receive a diploma on the final day of class. There is no requirement for persons taking the course to become volunteers, but those who desire to do so may work as receptionist or interviewers in the office, or in other volunteer programs.

For more information and to make arrangements for free nursery care of preschoolers, call NWC ext. 2921.

DMV gives aid to military people out-of-state for Desert Storm

Department of Motor Vehicles policy on vehicle registration and driver license hearings have been eased to accommodate California military personnel called to service or deployed out of California because of Operation Desert Storm.

Regulations requiring renewal of vehicle registrations on or before their expiration date have been relaxed, noted DMV officials. Military personnel deployed out of state because of Operation Desert Storm will be allowed to renew the registration or declare the vehicle non-operational within 30 days of their return to California.

Sports

Youth basketball league finishes season

Tough defense and aggressive offense highlighted the final games of the Naval Weapons Center Youth Basketball League. The season concluded with the coaches and referees tying in a 107-107 head to head conference on the court.

Division I Suns 21, Rockets 12

In a hard fought game, the Suns grounded the Rockets due to Rory O'Neil's intensive scoring efforts. O'Neil led his team with

12 points, followed by Dirk Spoons with four points; Glen Cordoza, who tossed in three points and Shannon Parks, who scored two free throws. The Rockets played a good game, with Chris Bachman dunking in six points, Ryan Katzenstein four points and Curtis Haney two points.

Division II

Rockets 31, Clippers 19

Nine points by Mark Norlund, eight by Chris Brown and six by Jamie Rugg gave the Rockets the boost they needed for a win. Darren Hodge, Mark Ogren and Don Little also scored in the victory. Accurate throwing by Will Collier, Erik Johnson, Tiffany Corsey and Ray Hyles wasn't enough to douse the Rockets.

Spurs 42, Bulls 36

Defensive plays by James Tam and good throws by Zach Hillewaert, David Rollingson, Josh Roberts, Eddie Crawford and Cale Falk gave the Spurs the edge as they triumphed over the Bulls. The Bulls saw excellent play by Pete Greedy, Jason Bull, Curtis Allen, Matthew Gayardt and Michael Kelly.

Mavericks 32, Jazz 28

In another close game, the Mavericks came out on top thanks to 15 points by Michael Bachman, 10 by Sam Elson and seven by Justin Nelson. The Jazz did not turn in a score sheet.

Lakers 71, Pistons 60

In a fast paced game, the Lakers pushed out the Pistons with Michael Kelly.

(Continued on Page 16)

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