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(April 13th, 14th & 15th)

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Layaways



425 E. Ridgcrest Blvd.

April 13, 1990

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	Max	Min	Peak Gusts
Thurs.	81	42	10
Fri.	81	45	10
Sat.	79	45	14
Sun.	78	49	12
Mon.	81	42	10
Tues.	87	42	4
Wed.	91	48	8

VX-5 pilots, aircraft provided flyover for Lt. Prusinski

Pilots and aircraft from Air Test and Evaluation Squadron Five (VX-5) provided the memorial flyover at the April 1 service for Lt. Mark Prusinski. The VX-5 aircraft passed over the NWC All Faith Chapel in the traditional missing man formation, just after Taps sounded for Lt. Prusinski.

Seafarer welcomes brunch bunch this Easter Sunday

Easter 1990 will surely be a special day on board the Naval Weapons Center. Attend the Easter Bunny Brunch at the Seafarer Club from 8 a.m. to 1 p.m. on Easter Sunday.

The grandiose Easter menu includes made-to-order waffles and omelettes, scrambled eggs, biscuits and gravy, sausage, bacon, carved baron of beef, baked fish, baked chicken, steamed noodles and rice, mixed vegetables, fresh fruit, assorted juices, coffee and tea. If you happen to have a little extra room after all this, desserts will be available at a nominal charge.

Easter is such a special day for family and friends -- allow the Seafarer Club to be a part of this special day. Advance tickets are now available at the Seafarer Club, Youth Center and Child Care Centers. For further brunch information, call NWC ext. 2581.

NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLV, No. 15, April 13, 1990

Researchers eye instability clues

Four nation combustion effort may enhance new technology solid rocket motor performance

Combustion instability is the potentially harmful interaction of internal motor acoustics with the combustion processes taking place inside a solid rocket motor. Work done by the Naval Weapons Center's Research Department on non-linear combustion instability will help missile program managers know when they have a potential rocket motor instability problem. Dr. Fred Blomshield of the Propulsion Research Branch notes providing managers with this information early will save time and money by catching the instability problem at an early stage of development.

New rocket motor technology seeks to reduce the observable exhaust plume in air and ground launched weapons and increase the motor operating pressure. Unfortunately,

both reduced smoke motors and high operating pressures show a tendency toward destructive combustion instabilities.

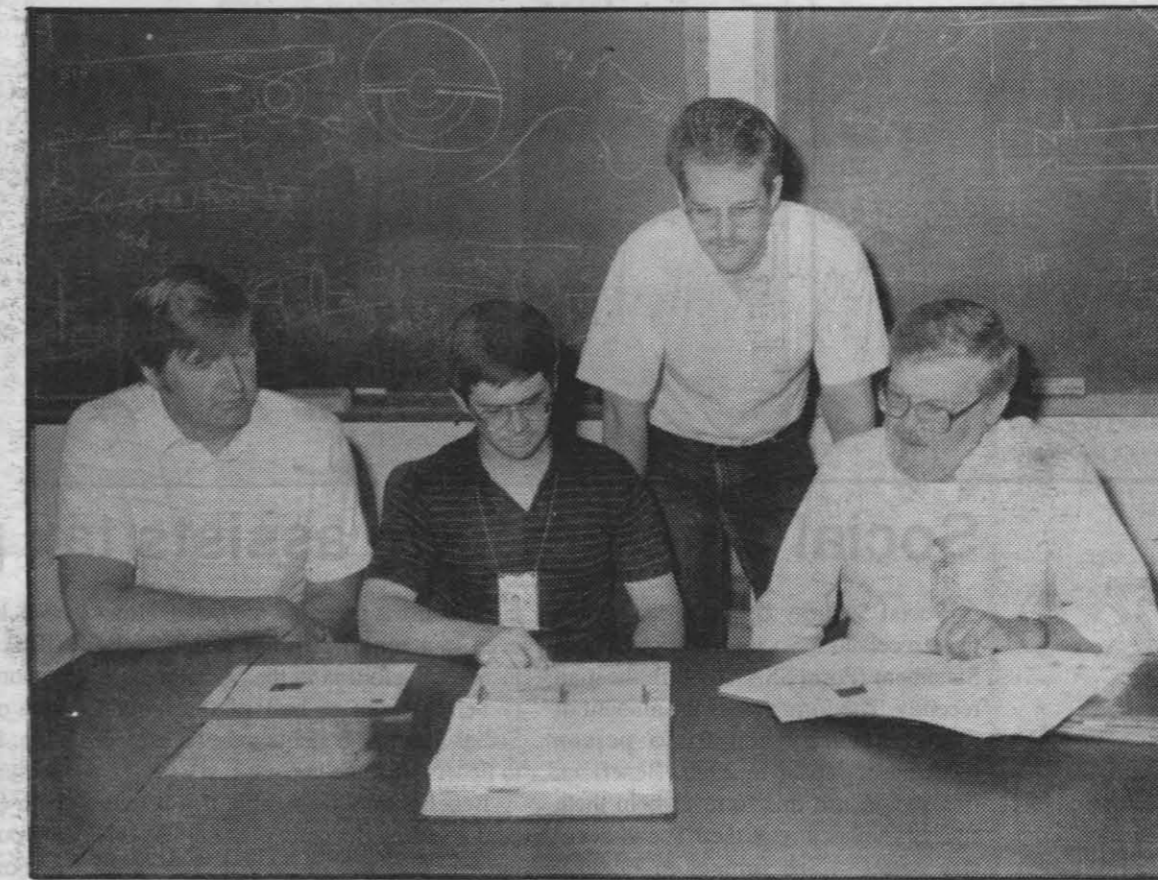
Because such instability results from random, large-amplitude pressure pulses, the research effort attempted to simulate those pressure pulses that might, in actual practice, be a result of igniter debris passing through the rocket nozzle. This was accomplished by pulsing the motors up to three times during test firing by small pyrotechnic devices mounted at the forward end of the motor.

China Lake's research effort is part of the Technical Cooperation Program, featuring involvement by the United States, Canada, Great Britain and Australia. Blomshield noted the non-linear combustion instability work

was just one of the Key Technical Areas (KTA) being investigated by the four-nation undertaking.

This particular KTA is designed to examine non-linear instability in pulsed solid rocket motor firings. In addition, researchers in Australia and at NWC have conducted subscale tests of propellants in a laboratory environment. All participants are also using theoretical prediction computer simulations to predict the actual motor stability.

NWC has been part of the program since early 1984, noted Blomshield. The first rocket motor firing in the NWC combustion instability program was performed in 1986. Since then 22 additional motors have been fired at (Continued on Page 8)



COMBUSTION STUDY--Richard Stalnaker (left) Fred Blomshield, Jerry Finlinson and Jim Crump review results of solid rocket motor tests in their non-linear combustion instability program. Blomshield is the principal investigator on the program and Finlinson is the newest member of the team. Photo by PHAN Gary Brady

Job sharing working at Center

One plus one equals a crackerjack team for the Human Resources Department at the Naval Weapons Center. As avid supporters of the job sharing concept, Sandra Wydra and Jacqui Walters have combined forces and share the department secretary position. Walters works mornings and Wydra works afternoons.

The Human Resources Department began the job

sharing program when Wydra, the department secretary, needed to switch from full time to part time work. "We didn't want to lose her," said Eva Bien, head of the department. "Considering the idea of Workforce 2000 and the concept we should offer more flexibility in that work force, we decided to try job sharing."

(Continued on Page 6)

TD Award recognition to Hageman

F/A-18 Hornet program

Outstanding contributions in the design, development and integration of tactical capabilities on the F/A-18 Hornet recently earned the Technical Director's Award for Roy E. Hageman, deputy program manager, F/A-18 Weapons System Support Activity (WSSA), Aircraft Weapons Integration Department.

Bill Porter, NWC Technical Director, presented the award to the surprised manager in front of Capt. Douglas W. Cook, NWC Commander, and Hageman's co-workers and friends, many of whom gave up part of their day off to show their support and add their congratulations.

According to the nominating letter, signed by Dr. Edward K. Kutchma, head, Aircraft Weapons Integration Department, Hageman has served as deputy since May 1984, during which time he demonstrated sustained superior performance and exceptional capabilities as a manager and engineer. "Through his broad technical knowledge and exceptional leadership," read the letter, "Hageman has made significant contributions to the F/A-18 weapon system and the WSSA."

Kutchma noted the F/A-18 aircraft is considered by many to be (Continued on Page 7)

China Lake Calendar

- Fri., Apr. 13**
...Public Awareness Walk of Child Care Children to NWC Headquarters, 9 a.m.
- Sun., Apr. 15**
...Easter Bunny Brunch Hunt, Seafarer Club, 8 a.m.-12 noon
- Tues., Apr. 17**
...China Lake Computer Society luncheon meeting, El Charro Avitia, 11:30 a.m.
- Wed., Apr. 18**
...Coso Geothermal ribbon cutting, Navy Plant 2, 9 a.m.
- ...SOLE brownbag lunch meeting, duplex at 705 Ellis
- Sat., Apr. 21**
...Marine Aviation Detachment Annual Fitness Challenge 5K Run
- Mon., Apr. 23**
...Association of Old Crows installation dinner, Carriage Inn, 6 p.m.
- Mon.-Fri., Apr. 23-27**
...National Secretaries Week
- Tues., Apr. 24**
...Family Night at the NWC Children's Center, 6:30-7:30 p.m.
- Sat. & Sun., Apr. 28-29**
...MWR Parent/Child Doubles Tennis Tournament Coming Events...
...Deadline to apply for FIL-AM scholarships, Apr. 30
...Mac User's Group (MUG) meeting, May 7

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

Wellness Corner



Words of appreciation from the program coordinator and assistant...

Because of the Center's commitment to Wellness, blood analyses, health risk appraisals, and physical fitness assessments have been offered to Center employees since February 14. Over 1,300 personnel participated in the blood draw and over 800 in the fitness assessment. For the participants' convenience, we offered services at several different locations: IOB, Thompson Lab, Range Headquarters, Hangar 3, PW, CLPL, Seafarers' Club, Engineering Lab, Mich Lab, and the Branch Medical Clinic.

Many people provided support to the Wellness Program to accomplish this task. There were those who opened conference rooms early, gave us coffee and Girl Scout cookies (while we asked you to fast), rearranged schedules to accommodate various needs, helped carry boxes of supplies, and provided parking passes and escorts.

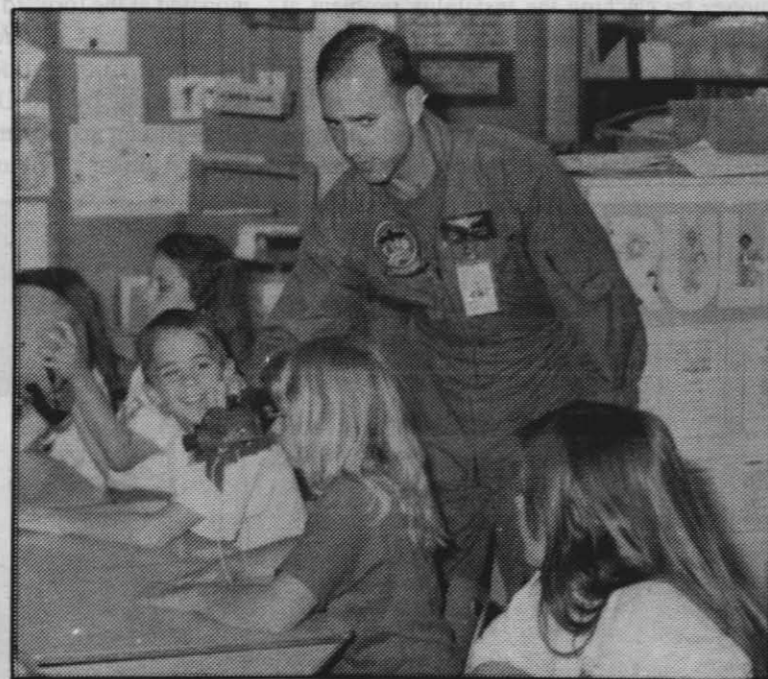
We especially want to thank the staff of the Branch Medical Clinic for their support. It would be very difficult to offer these services without them. Occupational health nurses, corpsmen, lab techs, receptionists and administrators joined together to meet the needs of the program.

To all of you who called and got our answering machine, we hope your ears are okay and we appreciate your patience. And to all of you who participated, THANK YOU--you make it all worthwhile.

Betty Miller and Pat Oliver

Upcoming Wellness events:

As Physical Fitness Month, the month of May will be devoted to lectures and activities pertaining to all aspects of fitness. Watch the *Rocketeer* and a special *NWC Announcements* for further details.



SHOW AND TELL-- Marine captains Aaron Aldridge and Kevin Kachmar visited the Richmond School fourth grade class of Mrs. Blackwell last Friday. The VX-5 helicopter pilots related the students' math and science studies to career opportunities. Here, Aldridge demonstrates night vision goggles while answering questions.

Social Security form assists tax preparation

Social Security beneficiaries should have received a Social Security Benefit Statement (Form SSA-1099) in the mail recently. The form shows the amount of Social Security benefits a person received or repaid in 1989. Beneficiaries should use this form to help them figure whether any of their Social Security benefits are subject to Federal income tax.

Most beneficiaries do not have to pay any Federal income tax on their Social Security benefits. If the Social Security check is the largest source of

income, tax is probably not owed. However, if a beneficiary has a substantial income in addition to the Social Security benefits, up to half of the annual Social Security benefits may be subject to Federal income tax.

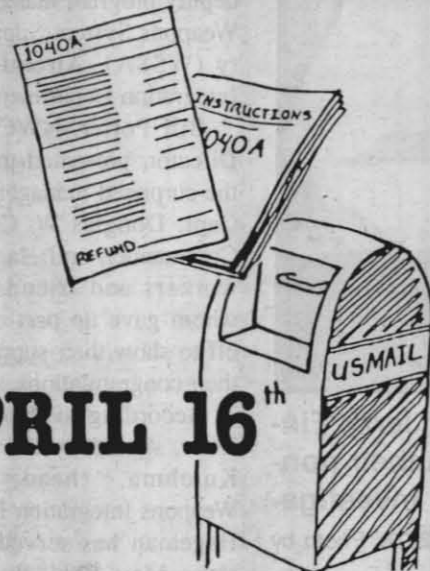
Benefits may be taxable if a beneficiary's taxable income, plus non-taxable interest, plus half of the Social Security benefits exceeds the base amount. Base amounts are \$25,000 for single people and \$32,000 for married people filing a joint return.

Included with the benefit statement

will be an Internal Revenue Service (IRS) Notice 703. This notice includes a worksheet that can be used to get an idea of any of the benefits may be taxable. If married and filing a joint return, be sure to combine both incomes with both Social Security benefits when filling out the worksheet.

For questions about the worksheet or how to figure out the taxable income, call any IRS office.

For questions regarding the SSA-1099, contact the Ridgecrest Social Security Office, 509 W. Ward, Suite A.



APRIL 16th

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Ridgecrest, CA 93555 (619) 375-4481

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Commander -- CAPT. DOUGLAS W. COOK Technical Director -- WILLIAM PORTER Acting Public Affairs Officer--ELEANOR JOHNSEN
Editor -- STEVE BOSTER Staff Writer -- JULIE PAULSEN Staff Writer-- PEGGY SHOAF Photographer -- PHAN CARY K. BRADY

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The Daily Independent!
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**ACTIVE MILITARY PERSONNEL
& THEIR DEPENDENTS MAY
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FREE OF CHARGE!**

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. WEDNESDAY - PRIOR TO FRIDAY PUBLICATION

1 PERSONALS

JERRY & MARGIE SHULTZ: GUESS WHO LOVES YA?! FIND OUT ON 5 MAY!

20 RENTALS

3BR, 2 1/2BA TOWNHOUSE. Refrig., Dishwasher. 2 car garage. Pool access. \$675/mo. 1st, last, \$200 security. 375-1378/375-3305.

3BR, 2BA, large corner lot, fenced yard, central location. \$575/mp. + \$575 security. 375-8746.

AFFORDABLE RENT! Newer 3BR, 2BA, W/D hookups, F/P. Gar. Start at \$355. Visit today for details. 800 Capehart Ct., south of Drummond, west of Downs. 371-3524. Open 9-5 daily.

FOR A HOMEY TOUCH, ALLEN'S RANCHITO MOTEL near base. A refreshingly different place. Clean, furnished units, color TV, refrigerator, microwave opt. From \$130 weekly. 446-6209.

LARGE NEWER NICE 2BR, built-ins, refrig., W/T paid. Landscape maintained. \$435/mo. & up. 446-6487.

ONLY \$595 for this cute 3 bedroom in great area. 2BA, D/W, stove, evap. cooler, garage, no pets. 446-4810

ONLY \$625 for this cute outstanding home with new carpets, fresh paint, 3 spacious BR's, 2 tiled BA's. Garage, no pets. 446-4810

30 SERVICES

ASPECT WINDOW TINTING - Auto, Commercial, Residential & Special. Get ready for the summer, have your windows tinted. 5 YEAR GUARANTEE! State & City licensed. 371-2511.

PERM SPECIAL \$32.50 - Haircut Included! Victoria Hair Station 375-7044

SEWING ALTERATIONS & MENDING. 446-2548.

35 AUTOMOTIVE

'86 ISUZU TROOPER II - Only 30,000 miles. 4WD, A/C, P/S, \$7250, OBO. RUNS GREAT!! 446-4029

1983 NISSAN STANZA 4 dr. Hatchback. Looks & runs great. Practically new tires, shocks, struts & brakes. Great for small family. \$3000/OBO. After 5 call 446-4944.

1985 CHEVY BLAZER 4WD, A/C, P/S, Electric Windows, roof rack, cruise, Tahoe pkg. Dealer serviced. \$7500. 446-3132.

'74 MG Midget. New hood, XLNT paint & interior. RUNS WELL. \$2800/OBO. 446-3132

FOR SALE: '84 GMC JIMMY IN EXCELLENT CONDITION! Leaving USN - MUST SELL! Take over payments only! PLEASE CALL 446-5405 ASK FOR BOB OR STAR.

EASY They can't find your Garage Sale if you haven't advertised it!
Find your way to **EASY STREET** with the **ROCKETEER CLASSIFIEDS**
Place your ad at *The Daily Independent*
224 E. Ridgecrest Blvd.

EASY MONEY!



Easy Money can be yours when you use the **ROCKETEER CLASSIFIEDS!**
Stop by 224 E. Ridgecrest Blvd.
or CALL 375-4481

Showtime for desert and festival

Natural wonders featured during April 20-22 fete

This is the time of year the High Desert puts on its "showy" stuff. The High Desert Natural Wonders Festival will celebrate the beauty of the desert Apr. 20-22. The festival will feature a variety of activities geared to promote desert beauty and preservation.

Tours to Red Rock Canyon, Trona Pinnacles, Fossil Falls and a nature hike along the Pacific Crest Trail, along with various petroglyph tours, will take place Saturday and Sunday, Apr. 21 and 22. Additionally, Sunday's tour activity will feature a nature hike to Short Canyon from Kern Desert Regional Park.

The tours, with the exception of the petroglyph tours, are free of charge. The petroglyph tours, which leave at 8:30 a.m. from the Maturango Museum parking lot, are \$7.50 per person, and are offered on a first come, first-served basis.

Apr. 22 activities include a pancake breakfast from 7 to 10 a.m. in the Kern Regional Park; "Meet the Wildflower" slide show and lecture at the Maturango Museum starting at 3 p.m.; and a sky watch from 8 to 10 p.m. on the museum grounds. The slide show, lecture and sky watch are at no charge.

On Apr. 21-22, the following events will be held in the City of Ridgecrest's new Kerr McGee Center: a flower show, recycling display, environmental display by NWC, desert natural wonders photo exhibit and contest, and various displays.

For more information, contact the Ridgecrest Chamber of Commerce at 375-8331.

Kern's wildflowers welcoming visitors

Kern County has an abundance of a rare commodity -- wildflowers -- in every shape and color nestled along mountain-sides or displayed in huge panoramic vistas.

Currently, the Kern River Canyon along Highway 178, a major route to Lake Isabella, is ablaze with poppies and other blooms. Along Highway 58 and around Highway 155 in Glenville are yellow thistle, lupine and poppies.

TODAY'S KRAGEN AUTO WORKS

QUALITY! VALUE! SELECTION!

PENNZOIL
SAE 30 MOTOR OIL
Limit 12 quarts of sale price.
10W/30 89¢
10W/40 OR 20W/50 99¢

OPEN EASTER SUNDAY

Havoline
Premium HD SAE 30 Motor Oil
SALE PRICE PER QUART 85¢
MAK-IN REBATE 30¢
ON 12 QTS. 30¢

Prestone
ADVANCED FORMULA
SALE PRICE 6.97
MAK-IN REBATE 1.50

REGISTER TO WIN A 1990 CHEVY 4X4!
Come into any of our stores and register to win this fully accessorized Chevy truck.
No purchase necessary. See store for details. Courtesy of Kragen.

ANTIFREEZE
Year 'round protection for today's vehicles.
Limit 2 of sale price.
#AF-777. **54¢** AFTER REBATE

SPARK PLUGS
Limit 16 at sale price. NON-RESISTOR. **54¢** AFTER REBATE

LIFETIME WARRANTY PARTS YOU TRUST!

MEGA TORQUE 65
SALE PRICE 1.49
MAK-IN REBATE .50¢

LIFETIME WARRANTY
NEW SELF-LUBRICATING PLATED THROBOLTS
S-ROLLER HEAVY DUTY STARTER DRIVES
NEW PLATED FASTENERS AND HARDWARE
HIGH TEMPERATURE REMANUFACTURED BOLT HEADS

MOTORCRAFT OIL FILTERS
For most domestic and import vehicles.
Limit 2 at sale price. REGULAR OVER 3.94. **2.47** REG. TO 3.94
51¢ OFF

EXIDE 65 MO. BATTERY
Sure starting performance. With exchange. **52.88** 39.88

MAX POWER LIFETIME DOMESTIC STARTERS
Remanufactured. With exch. REGULAR TO 44.99. **34.99** REG. TO 54.99. 44.99 20% OFF
REG. OVER 44.99. 20% OFF

LIFETIME IMPORT STARTERS
Remanufactured. With exchange. REG. OVER 44.99. **39.94** REG. TO 54.99. 20% OFF

GREAT CAR CARE SAVINGS!

STP OIL TREATMENT
Reduces engine wear. Limit 2 at sale price. 12 oz. #5716 or 13 oz. #571015. #571016. **1.19** 50¢

GUNK CARB. & F.I. CLEANERS
Improves fuel economy. Limit 2 at sale price. 12 oz. #7516 or 13 oz. #7430. **1.97** EACH

GUNK MOTOR FLUSH
Cleans engines in 5 minutes. Limit 2 at sale price. 30 oz. #8F 2. **1.27** EACH

rally CAR WAX
Makes vehicles look like factory new. 1 4 oz. liquid or 12 oz. paste. #55120, 05140. **3.16** EACH

plast-hole PRIMER
Bonds to bare metal surfaces. Red, grey, black. Limit 2 at sale price. **2.97** EACH

plast-hole CAR COLORS
Domestic and import colors available. Touch-up spray for cars, trucks and vans. **2.64** EACH

SON OF A GUN
Protects, beautifies and restores. Limit 2 at sale price. 8 ounces. #25600. **1.77** EACH

STEAM PREMIUM CLEANER
Heavy duty cleaner/degreaser. Safe and easy to use. Limit 2 at sale price. #7566. **2.27** EACH

ENGINE BRITE
Heavy duty engine cleaner/degreaser. Limit 2 at sale price. 16 oz. #E1, #E21. **1.37** EACH

LUBRICANT
Shops apart. Loosens rusted parts. Limit 2 at sale price. 6 oz. #40006. **1.29** EACH

7-PC. BODY TOOL KIT
Kit includes everything needed for the body repair of most vehicles. #897. **29.88**

DENT & DING KIT
Combats all the bugs & ingredients, even a toll-free help line. #900. **11.96**

COME SEE OUR IN-STORE SPECIALS!

KRACO AM-FM CASSETTE STEREO
Digital display and clock. 5+5 memory tuning. Scan & seek. RETR-1080/2. **98.88** EACH

WELLS/RIMPAC CAP/ROTOR KITS
For most domestic vehicles. O.E.M. quality. **\$1 OFF**

CLASS I TRAILER HITCH
Fits most domestic compact or mid-size cars. Up to 2,000 lbs. CLASS I & II. **27.99** 10% OFF

LAMBKIN SEAT COVER
High/low bucket. Beige, silver or black. Sold individually. **6.99** 10% OFF

TRUCK BED MAT
Sizes to fit most pickup. Durable. Protects bed. **56.88**

SYLVANIA HALOGEN LAMPS
For most 4 lamp systems. #4651, #4656, 3001, 3006. ALL OTHERS. **5.86** 15% OFF

YUASA MOTORCYCLE BATTERY
Delivers sure starting for your motorcycle. With exchange. **\$2 OFF**

POWERSTEAR POWER STEERING HOSE
For most domestic vehicles. AS LOW AS **18.99**

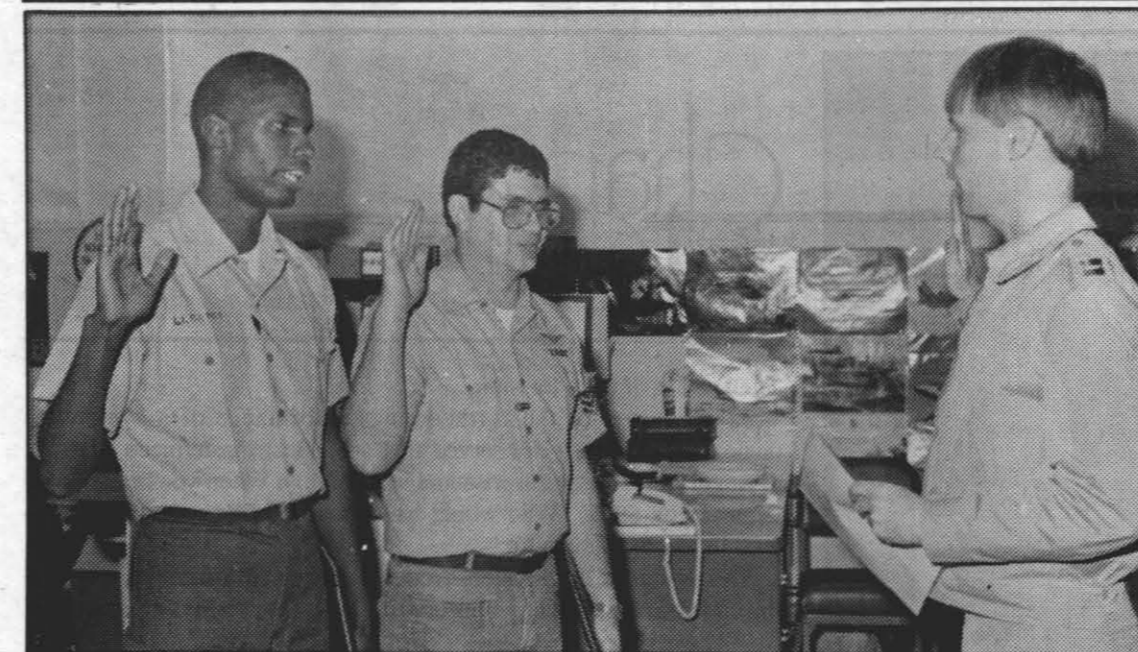
CHROME TRAILER BALL
1 1/2" x 2" solid steel. chrome plated. Looks like 3030. #3001-82, 5003-82. **5.99** EACH

DASH COVER
Protects carpet or vinyl. Avail. by special order only. Sale to 39.95. REGULAR OVER 39.95. **29.95** 10% OFF

Whisper RADAR DETECTOR
Triple conversion receiver for greater range. #WH425. **99.88**

RIDGECREST 880 N. China Lake Road... 375-3223
OVER 875 STORES TO SERVE YOU! OPEN MON.-FRI. 8AM-9PM, SAT. 8AM-8PM, SUN. 9AM-7PM

LOW PRICES ON QUALITY PARTS AND ACCESSORIES! PRICES EFFECTIVE THRU SUN., APRIL 15, 1990



STAYING IN--On March 30, Aviation Storekeepers in the Aviation Supply Division, AK3 Eric Legardy (left) and AK1 Lewis Zade took the oath of reenlistment, given by division head Lt. Michael Sather (right). Legardy is TAD to the shop from Air Test and Evaluation Squadron Five, while Zade is head of the division's Supply Response Branch. Photo by PHAN Cary Brady

Navy logo items available by mail

What's new at the Navy Uniform Support Center (NUSC) in Norfolk? New Navy logo, novelty items, and a whole lot more are available--just pick up the phone.

Along with the new high-visibility Lifesigns™ clothing (tees, shorts, and sweats), the NUSC has added other items sporting the Navy logo. These items are highlighted in a new four-page color flyer produced by the NUSC.

Navy sweats (with or without hood), shorts, tees, and satin finish jackets for men, women, and children are available in navy blue and white.

A white Navy logo tee shirt features signal flags above each letter, as does a matching white poplin cap. A baseball-style navy blue cap can be embroidered with your command, ship, or logo.

Other items with the Navy logo include: beach towels with the official Navy emblem or Naval Academy goat, knit shirts, wallet, welcome mat, and travel/garment bags in heavy-duty nylon.

Books with a Naval theme, such as the "Naval Officer's Guide," "The Bluejackets' Manual," "History of War at Sea," the "Art of Knotting and Splicing," and 12 other titles may be ordered from the NUSC.

A beautiful commemorative ship's decanter is an item worth keeping! The "John Paul Jones" U.S. Navy and Marine Corps Ship's decanter is decorated with many famous and historic Naval scenes.

Another item sure to become a family heirloom is the latest issue of the Navy Commemorative Coin in one troy ounce .999 of silver. The U.S. Navy Submarine Force coin is also available. These great gifts for any occasion are sure to increase in value.

For more details, contact the NUSC--the source for all of your Navy needs! CONUS orders (except area codes 703/804) may be placed by calling 1-800-368-4088; 1-800-552-3115 (Virginia); 1-800-368-4089 (Alaska, Hawaii, Puerto Rico, and Virgin Islands) and overseas AV 680-8586. The mailing address is NUSC, P.O. Box 15065, Norfolk, VA 23521-0065. MasterCard, Visa, and Discover cards are accepted.

Navy News This Week

WATCH FOR IT LOCALLY ON:
Cablevision Channel 3 Fridays 6:30 p.m.

Military put on summer attire

Effective April 23, military personnel stationed at China Lake will shift to Summer Uniform of the Day. Officers and CPOs are prescribed Summer White and alternate Summer Khaki. For male personnel ranking E-6 and below, Service Dress White with an alternate of Summer White is prescribed. Female sailors, E-6 and below will wear Summer White. From April 23 to May 21, Service Dress Blues may be worn after 6 p.m.

Uniform of the Day is worn for watchstanding, liberty and for business ashore. Summer Khaki is not for wear on any occasion where civilians in attendance are normally expected to wear coat and tie.



The Skipper Sez...

QUESTION
I am calling in regard to the Michelson Lab compound parking. It was stated that the China Lake Police Department are going to be giving parking tickets to illegal parkers. This is obviously true because I am one of them that has received one. My question relates to the fact they said the illegal parking spaces would be clearly marked and identified. Some of the places where they are giving tickets have nothing, people have been parking there for years and it does not say "No Parking." When I called CLPD after lunch to let them know a lot of people where ticketed and that a lot of people who parked in the same spots after lunch were not ticketed, they said they could not respond until 10 a.m. the next day, which is close to 20 hours from the last time they came through. To me, this does not seem like they will respond to a reported violation. Could this be cleared up? Thank you.

ANSWER
China Lake Police Officers write traffic citations as a part of their normal duties. Administrative parking citations are written under the authority of NAVWPNCENINST 5510.29/Section 4. This section reads in part:
(1) Vehicles will be parked only in designated parking areas.
(2) Access by fire apparatus or other emergency vehicles will not be blocked; therefore, vehicles will not park adjacent to or between buildings.
Normally, parking lots are not patrolled on a regular basis. However, CLPD will respond to reported citizen complaints of illegally parked vehicles. The NWC Fire Division also contacts CLPD when they observe illegally parked vehicles blocking fire lanes.
China Lake Police Officers are dispatched on a priority basis with emergencies handled first. They have no record of anyone being advised of an unreasonable time (20 hours) for an officer's response.
If you feel you were unjustly cited, I request you appear in the NWC Traffic Court and explain your circumstances to the judge.
Thank you for your concern with the parking problem at Michelson Lab.

APPRECIATIVE COMMENT

I would like to comment about and commend the people in Travel, Disbursing, Voucher Section, etc., because we are now getting our travel expenses paid in as little as five days. I think the people who are responsible for that should be complimented and commended. They are doing an excellent job.

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

Health care options can save \$\$

Always try to get health care from a uniformed service hospital or clinic before using CHAMPUS--this can save money and paperwork.

Even if the nearest military hospital is miles away, it can still cost less to get care at one. This is especially true for expensive major procedures. Transportation could be less than the CHAMPUS cost share.

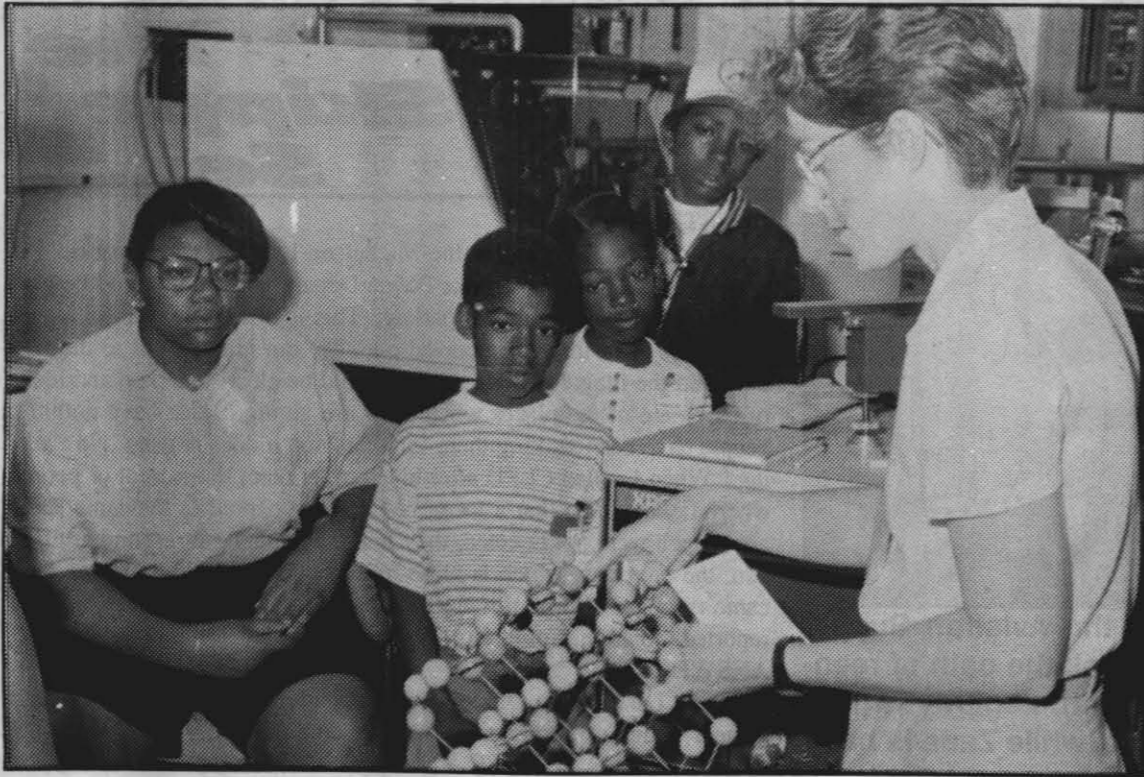
Check with a Health Benefits Advisor (HBA) to find out if the service hospital can meet the patient's needs.

Women's optional cover brought back by popular demand

WASHINGTON (NNS)--Navy women can order the women's beret by mail order through the Uniform Support Center in Norfolk starting May 1.

NAVOP 112/89 authorized retention of the beret as an optional cover when authorized by prescribing authority. The beret may be worn as outlined in uniform regulations and also as an optional item with summer khakis. The summer khaki option has not been officially published as a change to the uniform regulations but has been included in the 1990 revision scheduled for distribution this summer.

According to MMCM Larry Wendland from the Navy Uniform Matters Office, the beret has been out of stock at most outlets because the Navy had planned to do away with it. "The decision to keep the beret was made based on fleet input, including letters and phone calls to our office," said Master Chief Wendland. The beret, when available, will cost \$14.75 and will be available in sizes 20 through 24 1/2. Questions should be addressed to the Navy Uniform Matters Office at (202) 694-5075 or Autovon 224-5075.



Chapel



The Drama of The Passion

In a preview of the forthcoming performance of a symphony orchestra, the director observed that a musical masterpiece has two distinguishing marks: surprise and inevitability. When you hear a masterpiece you think, "Who would have thought of doing it that way?" and, "It had to be that way."

The drama of the Passion, from the borrowed donkey to the borrowed tomb, is marked by both surprise and inevitability. No other god would have done it that way.

The drama of the Passion, from the borrowed donkey to the borrowed tomb, is marked by both surprise and inevitability. No other god would have done it that way. On the other hand, "Nothing in his life/Became him like the leaving it" (Macbeth). So surprising is the cross that it continues to be scandalous. Yet all other scripts of redemption wear thin before they end. Nothing rings so true to the depths of human experience as the Passion of our Lord.

Judy Viors's best seller, *Necessary Losses*, is a rich compendium of perspectives and insights on the inevitable losses we experience. Her thesis is that the losses of loved ones, impossible expectations, illusions of freedom and power, life dreams, and youth are necessary if we are to continue to grow until we die. The good news is that in loss and in gain our God is one who has chosen to be with us wherever we are.

Another way of viewing our losses and Christ's cross is given us by Madeleine L'Engle who speaks of the noes and yesses of life, God's noes and yesses. The cross is a resounding and inevitable no from which Jesus had prayed for deliverance. But what a surprising and resounding yes it was, silent though it was. Who standing at the cross could not hear in the dark silence the baptismal affirmation: "This is my beloved in whom I am well pleased?" Even one of the Roman soldiers knew that the crucified one was the beloved of God. Yet it was necessary that he be crucified, and now we live in a Good Friday world. Recall Wallace Stephen's line, "Under every no lay a passion for yes/ Yes and no. No and yes."

Inevitable surprise, the Passion of our Lord. Who would have dreamt of such? None but God. Yet there is none other name by which we must, need, or can be saved. He rode in on a donkey and reigned from a tree. And as for us, if we suffer with Him we shall also reign with him.

Lt. G.L. Goodman, CHC, USNR

CAREER DAY--Thanks to NWC's Tech Mentor Program, 12 youngsters from Union Baptist Church spent part of their Career Day learning about scientific, engineering and technical careers at the Naval Weapons Center. Dr. Terrell Vanderah of the Research Department's Chemistry Division, was one of their hosts during Monday's visit. Ricky Parks of the Center's EEO Office noted this was a chance to give kids early exposure to technical career fields.

Squirrels gain understanding from city, NWC led workshop

After two days of intensive discussion about the Mohave ground squirrel, officials of the Naval Weapons Center (NWC), City of Ridgecrest, Bureau of Land Management (BLM) and the California Department of Fish and Game (DFG) feel there is a lot more understanding about the ground squirrel and the problems the species poses for government and developers.

Dr. Jerry Boggs, head of NWC's Environmental Resources Management Branch and Sherry Neumann, Ridgecrest's director of community development, organized the two-day workshop in an effort to give all the various gov-

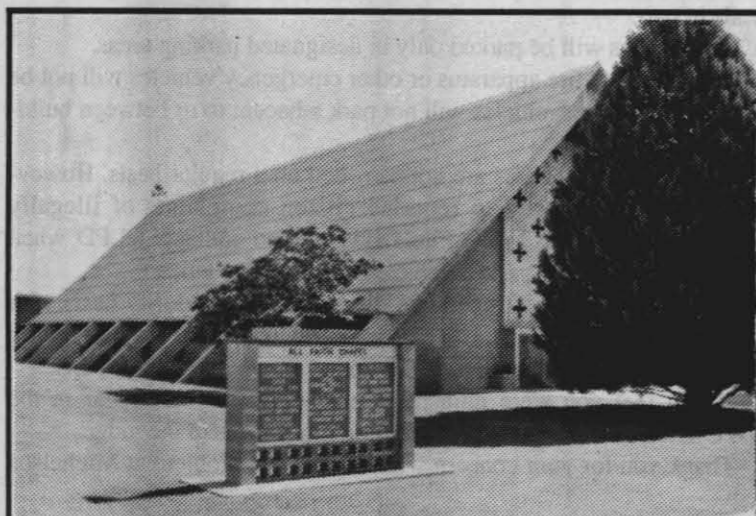
ernment entities and area developers access to the same information regarding the ground squirrel at the same time.

Boggs said he felt the workshop had been very successful. He noted everyone present seemed to realize there had to be some action taken to preserve ground squirrel habitat and understand the issue won't just go away.

Ron Rumble of Fish and Game's Region Four office in Fresno said a lot of people want his agency to be more flexible when dealing with mitigation of the loss of habitat to development. He noted it was difficult to

have a lot of flexibility when dealing with a single project, but when many projects could be lumped together in a habitat conservation plan (HCP), Fish and Game had more room to be flexible.

Boggs and Neumann commented on the city's plan to sponsor creation of a multi-species HCP for the Indian Wells Valley. "I am encouraged by the desire I saw here to work together and not seek confrontation," said Boggs. Neumann added that she thought the city was becoming very proactive in working toward an agreement on habitat conservation.



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 (September thru June)	11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday	6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday	7:00 p.m.
Islamic	
Jumaa Prayer (Friday at 1905 Mitscher)	1:00 p.m.
Roman Catholic	
Sunday Mass, Main Chapel	9:00 a.m.
Daily Mass, Small Chapel	11:35 a.m.
Confession (Sunday), Command Chaplain's Office	8:15-8:45 a.m.
Confession By Appointment	Anytime
Religious Education Classes (Sunday) (September thru May), Annexes 1 & 2, 1008-10 Blandly & 1903-05 Mitscher	10:30 a.m.
Jewish	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday at 1004 Blandly)	9:00-10:00 a.m.
Sabbath School (Saturday at 1004 Blandly)	1:00-4:00 p.m.

Chaplain S. A. Casimano, LCDR, CHC, USN
 Chaplain G. L. Goodman, LT, CHC, USNR
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 Brian H. Zimmerman, Student Rabbi



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RIDGECREST

Navy dedicating second geothermal plant

Rear Admiral David E. Bortoff, commander, Naval Facilities Engineering Command and Chief of Civil Engineers of the Navy heads the guest list and will be the principal guest speaker for the latest geothermal power plant ribbon cutting on Wednesday, April 18.

Set for 10 a.m. at the Naval Weapons Center's Coso Geothermal Navy Plant Two site, the ribbon cutting marks completion of the latest geothermal power plants onboard NWC. The ribbon cutting will also mark the dedication of the two nearby

BLM geothermal plants (BLM East and BLM West) built on BLM land within the NWC boundary. The first 25 megawatt power plant went on line, feeding electricity to the Southern California Edison grid on July 15, 1987.

Capt. Douglas W. Cook, NWC Commander, will be joined by Ed Hasty, state director of the Bureau of Land Management, California Energy Company Vice President Donald O'Shea and Dr. Carl Austin, NWC Geothermal Program manager as guest speakers.

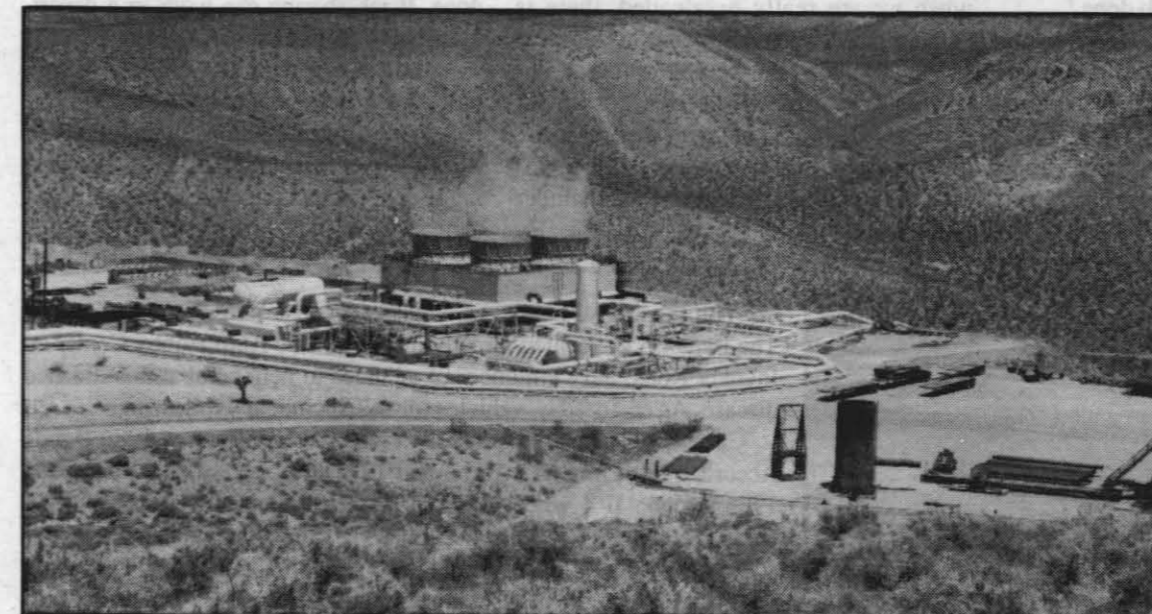
This newest plant, producing 80 megawatts of power actually went on line to the grid in late December. The two Navy plants and the two BLM plants produce 80 megawatts each for a total Coso energy production of 240 megawatts.

During 1990, the Navy expects to receive more than \$3.5 million in revenue share from the two plants in addition to an estimated \$3.4 million reduction of the NWC electric bill. Over the life of the 30 year contract signed in 1979, projected Navy earnings are in excess of \$650 mil-

lion and NWC's power cost savings are expected to be more than \$150 million.

The plants are now Inyo County's largest property taxpayer and the payroll one of the largest in the Ridgecrest area.

The Coso Geothermal area is on NWC land about 8 miles east of the Coso Junction Rest Area on Highway 395. The gates to the area will open for this dedication and ribbon cutting at 9 a.m. Shuttle bus transportation will be provided from the gate area to the dedication site for visitors since on-site parking is very limited.



EARLY VIEW—Navy Plant One, Unit One at the Coso Geothermal area during early days of its operation.

Holy Week schedule

Following is the 1990 Holy Week schedules for the Catholic and Protestant congregations. For more information about any of these services, please call NWC ext. 3506, 2773 or 2873.

Catholic
Friday, April 13, 5 p.m. -- *Good Friday*. Reading of the Passion, Sung Intercessions, Veneration of the Cross and Holy Communion.
Saturday, April 14, 8 p.m. -- *Easter Vigil*. Blessing of Fire and Paschal Candle, Solemn Procession and Proclamation of "Exultet," Renewal of Baptismal Vows and Solemn Liturgy of Easter.
Sunday, April 15, 9 a.m. -- *Easter Sunday*. Mass -- All Faith Chapel.

Protestant
Friday, April 13, 12 noon -- *Good Friday*. Worship Service -- East Wing.
Sunday, April 15, 8 a.m. -- *Easter Sunday*. Worship Service -- East Wing.
Sunday, April 15, 10:30 a.m. -- *Easter Sunday*. Worship Service -- Main Chapel.

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Job sharing works for Code 22 secretaries

(Continued from Page 1)

According to Bien, Wydra was responsible for finding Walters. "In order for job sharing to work," said Wydra, "the two secretaries must complement each other, work well together and share the same job philosophies. In addition, the two people must be willing to keep each other informed about happenings during the day." Both Wydra and Walters leave extensive notes to each other on what happened during their shifts.

"I have never run into a problem where one says she doesn't know, that the other one handled it," said Bien. "The two work closely together and are responsible for making the job sharing work."

The two secretaries work for Bien; Don Shibley, associate department head; and others as needed. In addition to normal secretarial duties such as answering the

phone, distributing mail, making travel arrangements, time cards, correspondence and typing, Wydra and Walters are responsible for the administrative duties relating to the NSTEP and NSAP programs.

"After people are selected," said Wydra, "it is our responsibility to make sure they get to their assignments and to provide them with administrative support during their assignment."

While Wydra is an expert in secretarial correspondence and Walters is an expert on travel, neither duty is assigned to a particular secretary. "We're a team," said Wydra. "Both of us get the job done."

"I came to the Human Resources Department directly from the Travel Office," said Walters. "So, I felt comfortable working with all the travel orders and I have learned a lot secretarial wise from Sandra. I have always felt like I was part

of the team."

Wydra is very happy with her job. "I truly like being a secretary," she said. "I think it is a job that can be what you want it to be. You can get a little or a lot out of it, depending on how you approach it."

Both women feel job sharing is an advantage to the work force. "Part timers are energetic," said Wydra. "Because we only work four hours a day, we are full of energy and aren't lagging by the end of the day. If something comes up, I still have enough energy to continue past 4:30 p.m."

"Another advantage," Walters added, "is when we are really overloaded, there is another person that can come in and help out. In addition, we are able to check out each other's work, which helps ensure our accuracy. I think together, we get more done than a person who works a full day."

Job sharing can be handled in a number

of ways. Workers could alternate days, hours or weeks, share the work load or be assigned specific duties. No matter how it is done, the end result equals 40 hours of work with no extra costs to the department.

"Another advantage of job sharing," said Bien, "is in most cases you have another person who understands the job and knows what must be done who can cover for the other in case of absences."

"I think people are missing out by not having more part-time employees," said Wydra. "We are very energetic and committed to working harder to get the job done. If job sharing can work in a department office, it can work anywhere. It would be nice if there were more opportunities for people who can't work full time, but can make contributions to the Center."

NWC employees interested in job sharing should contact their department PMA.

Lost plaque finds home

Rick Mayfield of the Michelson Laboratory Services Shop (Code 26421) recently came across an old plaque stowed away behind a locker in the Solid State Building and cleaned it up.

The plaque, depicting the sun with Earth in the foreground being circled by a rocketship, is engraved with "Michelson Lab 1948", suggesting the plaque was originally dedicated along with the lab. In fact, the May 26, 1948 issue of the *Rocketeer* says the plaque was designed by John Kubilis, a NOTS employee, cast in bronze, mounted upon a mahogany base, and displayed in the front entrance vestibule of the newly dedicated Michelson Lab.

The plaque, in effect, depicts Michelson's lifelong research devoted to a study of light and the relation of his researches to Einstein's Theory of Relativity concerning our universe.

Lab Coordinator Richard Smith decided to return the plaque to the lobby.



LIKE AN OLD FRIEND—John Riise, a carpenter in the Public Works Department's service shop mounts "lost" plaque on the front of the guard station in the Michelson Laboratory main lobby.



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Lemon Lot offers wheels

With the arrival of Spring, "car fever" is starting its annual attack. The Lemon Lot, located directly in front of the Auto Hobby Center on Inyokor Road, have a number of vehicles to help combat this dreaded disease. As of Tuesday, vehicles for sale include the following.

Cars -- 1987 MR2 Toyota, 1985 XR2 Turbo Mercury, 1986 Honda Accord, 1989 Probe GT Turbo and 1977 Mercury 4-door. **Pickups** -- 1985 Bronco II 4 wheel drive, 1984 Ford Ranger with shell, 1986 Dodge Ram d-50 4x4 with shell and 1978 GEM 4x4 with shell.

Motorcycles -- 1985 Yamaha Riva-Delux and 1982 Kawasaki GD2-750. **Boats** -- 1979 Charger 2 with trailer, 1985 Bayliner Capri 19' with trailer and Mirro-Craft 18' 65 HP outboard, 7.5 HP outboard with trailer. **RV** -- 1972 Executive Motorhome Class A (loaded) and 1985 Winnebago Centauri.

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Community Events

Simulations of massive conflict and economic upheaval will take place on Saturday, April 14, by the Ridgcrest Games Club. The club will meet at 4 p.m. in the old County Building on Ridgcrest Blvd. Then again, they will probably just play a few simple games. For more information, call Rodney Harris at 371-2182.

Maturango Museum is taking reservations for a planned trip to the Renaissance Faire at the San Bernardino County Glen Helen Regional Park on May 19. Travel back in time to Merry Olde England and see jousting and archery, crafts, 15 parades, sample a variety of food booths serving Elizabethan delicacies and enjoy continuous entertainment on six different stages. Cost is \$10 per adult and \$5 per child, aged 3 to 11. A TLB Bus has been reserved, which will cost an additional \$15 per person if 37 people register. The bus will be at the museum's parking lot for loading at 7 a.m. and leaves at 7:30 a.m. The group will leave the Renaissance Faire at 5:30 p.m. for the return trip to Ridgcrest. For reservations, call the museum at 375-6900. Payments must be made by Tuesday, May 8.

Auditions for the Community Light Opera And Theatre Association (CLOTA) production of *Brighton Beach Memoirs*, a Neil Simon comedy, are set for April 23-25. Tryout sessions start at 6:30 p.m. at the CLOTA building, 1420 N. Inyo St. Director Reno Venturi is looking for four female and three male performers to enact Simon's humorous tale of family life in Depression-Era Brooklyn, revolving around the growing pains of 15-year-old Eugene Jerome.

Coso Dog Fanciers of California will hold a dog match/obedience trial at Cerro Coso Community College on Sunday, April 22, starting at 12 noon. Sign-ups are from 9-11 a.m., or pre-entry forms can be obtained from members of the club or by calling 375-7780. No points are awarded toward a dog's AKC Championship, but ribbons are awarded.

Disaster Preparedness for the Handicapped, Disabled, and Chronically Ill, will be the topic of the presentation at the April 19 meeting of the Indian Wells Valley Chapter of The American Lupus Society (TALS). The presentation will be made by Larry Stensaas, the Disaster Preparedness Officer for the Naval Weapons Center. The public is invited to this free presentation beginning at 7 p.m. at the Ridgcrest Library. For more information about the meeting, Lupus, or the support group, contact John Saitz at 375-1417.



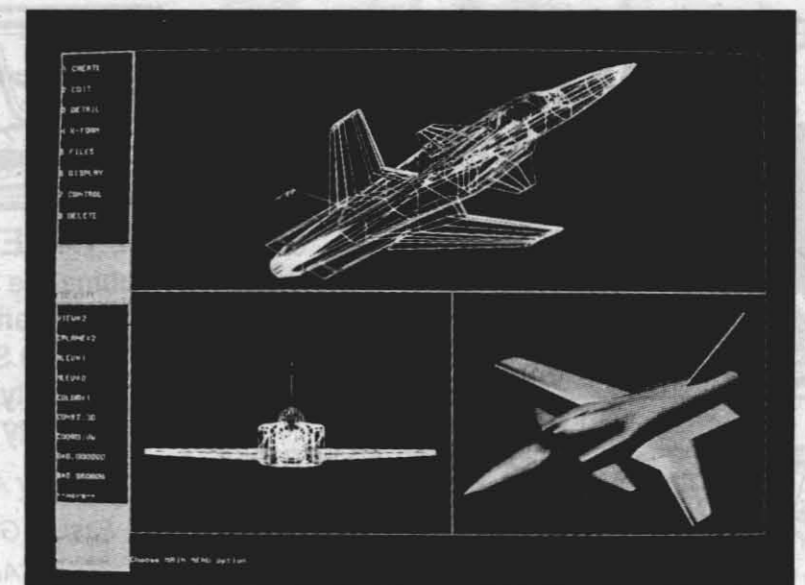
A TOUCH OF CLASS—was the theme of Tuesday's WACOM fashion show. Sue Moulton crosses the stage as Ellen Miller models an outfit from Main Street. The annual show features fashions from local merchants modeled by WACOM members.

Area groups set lunch on how judges are picked

Renee Rubin, former member and vice chairman of the State Bar of California Commission on Judicial Nominees will be in Ridgcrest on Thursday, April 19 to discuss how judges are selected in California and other states.

The luncheon meeting at Farris' Restaurant at the Heritage is being sponsored by chapters of the American Society for Public Administration, American Association of University Women, IWV Bar Association and

National Association of Retired Federal Employees. Because east Kern County is electing a judge to the municipal court bench in June, the two candidates, Jason Brent and John Quinlen have been invited to attend.



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Additional leave hours needed by co-workers

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

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

Deborah Leonard, Secretary, Code 6535 -- had a gall-bladder attack and is scheduled for surgery.

Dorothy Wiederhold, Employee Development Assistant, Code 224 -- suffers from Pericarditis (fluid around the heart) and is indebted for leave.

Dionne Lancaster, Facility

Management Specialist, Code 26521 -- is taking care of her husband and is in need of additional leave hours.

Betty Cirotski, Procurement Assistant, Code 31B1 -- underwent surgery and is indebted for leave.

Bob Donsbach, Specifications Writer/Editor, Code 3656 -- suffered a heart attack and has exhausted all his leave.

Debra S. Hurt, Operations Research Analyst, Code 3082 -- is experiencing medical complications due to a difficult pregnancy and will not be able to return to work until July.

Iva Jeanne Luth, Secretary, Code 62C -- exhausted her leave during the illness and death of a family member.

Deborah Ball, Computer Scientist, Code 3922 -- was hospitalized and is indebted for leave.

Polly Bainbridge, Secretary, Code 3922 -- is currently undergoing medical treatment and is

indebted for leave. Her doctor estimates that she will not be able to return to work until April.

Lou Giegerich, Mathematician, Code 3511 -- is undergoing extensive chemotherapy and is in need of leave.

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

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

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

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

Satik Martensen, Management Assistant, Code 36402 -- is diagnosed as having nodular scler-

osing Hodgkin's Disease and is currently undergoing treatment.

Nancy Muro, Engineer Technician, Code 3033 -- has multiple fractures, dislocations and

major tissue damage to her left foot.

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

Leave Donation Form
Complete and send to Code 221

From: _____

Code: _____

I wish to donate _____ hours of my annual leave to: _____

I have attached a copy of my last leave and earning statement.

Signature _____ Date _____

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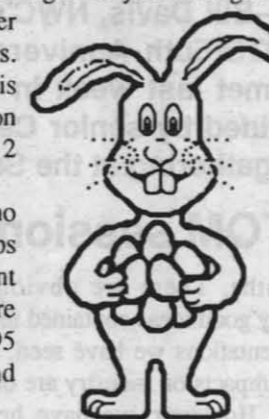
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Seafarer Club hosting Easter Bunny Brunch

Easter 1990 will surely be a special day on board the Naval Weapons Center. Attend the Easter Bunny Brunch at the Seafarer Club from 8 a.m. to 1 p.m. on Easter Sunday.

For families with children, the Easter Bunny will be available for your enjoyment, as well as Easter egg hunts beginning at 8 a.m. through 10 a.m. each half hour for children up to age 12. As part of this special Easter package, a professional keepsake 5x7 photo will be taken of each family. Photos will be processed and available for pick up at the Youth Center approximately two weeks after photos are taken. This family Easter package for ages 13 years of age and up is \$8 per person for military, \$9 per person for DoD and \$10 for all others. For children 3 to 12 years of age, cost is \$6 per person for military, \$7 per person for DoD and \$8 for all others. Children 2 and under are FREE.



For families without children, or who have outgrown the Easter Bunny, perhaps just the festive buffet will complement your Easter day. Buffet only prices are \$6.95 per adult (ages 13 and up), \$4.95 per children 3 to 12 years of age and FREE for children 2 and under.

The grandiose Easter menu includes made-to-order waffles and omelettes, scrambled eggs, biscuits and gravy, sausage, bacon, carved baron of beef, baked fish, baked chicken, steamed noodles and rice, mixed vegetables, fresh fruit, assorted juices, coffee and tea. If you happen to have a little extra room after all this, desserts will be available at a nominal charge.

Easter is such a special day for family and friends -- allow the Seafarer Club to be a part of this special day. Advance tickets are now available at the Seafarer Club, Youth Center and Child Care Centers.

For further brunch information, phone the Seafarer Club at NWC ext. 2581. For further information regarding the Easter egg hunt or 5x7 photo, call Youth Activities at NWC ext. 2909.

Old Crows meet Monday

Newly elected officers will be installed at a dinner meeting of the Association of Old Crows on Monday, April 23, at the Carriage Inn. Guest speaker, Jay Hodge of NWC's Target Recognition Branch will discuss Artificial Intelligence. A 6 p.m. social time will be followed by 6:30 dinner at a cost of \$11.50. For reservations, call Gail at 375-0095. Non-members are welcome.

Roy Hageman wins NWC's TD Award

(Continued from Page 1)

be the leading technological fighter platform for all services at this time and credits Hageman with many innovative ideas being incorporated into the aircraft.

In the nominating letter, Kutchma states, "All of the operational flight programs designed to date have been made under the direction and technical leadership of Hageman. . . . Hageman was crucial in negotiating critical contracts with the F/A-18 prime contractor, McDonnell Aircraft Company, enabling a contractor/government team operation which has been unprecedented and the model for the other aircraft programs to copy."

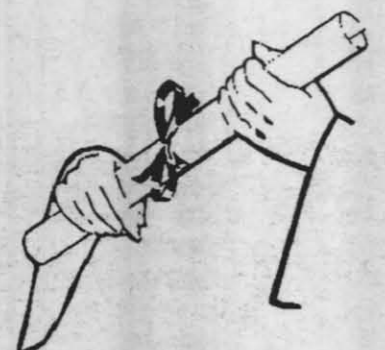
Crediting the Hornet manager with the successful release of the F/A-18 85X series of operational flight programs (OFFP), Kutchma said, "Hageman's extensive knowledge of radar and EW guided the overall engineering and integration effort for this fleet release. His system expertise and leadership abilities were essential in ensuring that the contractor/civil servant team designed, developed and properly tested this landmark OFFP."

In a letter which accompanies the award, Porter told Hageman, "Your ability to analyze and rapidly resolve a variety of system, contractual and management problems have been a key factor in helping to keep the aircraft on the cutting edge of technology. I commend you for a job well done."

"I have to thank all the people here," Hageman said as he looked at his teammates. "I couldn't have done it without you. Thanks a lot."



HARD WORK RECOGNIZED--Roy Hageman (center) accepts congratulations from Dean Elliott (left) and Dr. Ed Kutchma upon receiving the Technical Director's Award. Photo by PHAN Cary Brady



Costea explains CSUN's external degree programs

Professor Ileana Costea of California State University, Northridge (CSUN) will be on-Center May 15 to advise current and prospective students in the master's degree programs in applied mechanics and systems engineering offered by the school.

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

For more information about the different external degree programs offered at NWC, call NWC ext. 2648.

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MWR UPCOMING EVENTS

Friday, April 13th-

- Children's Centers Public Awareness Walk, 9 a.m., X2735
- Dancing, Seafarer Club, 10 p.m.
- Deli Sandwich Line, Fridays, Seafarer Club
- NO TAP-BOWLING, 6 p.m., Bowling Center, X3471

Saturday, April 14th

- Enjoy 18 holes of golf today, 939-2990
- Golf Course-buy new golf clubs and get free lessons.
- Matinee, Oliver & Co., NWC Theater, 2:00 p.m., 939-2909

Sunday, April 15th-Happy Easter

- Easter Bunny Brunch, Seafarer Club, 8 a.m.-1 p.m.
- Military Bowling League, Bowling Center, 939-3471

Monday, April 16th

- Rueben Sandwich Special, Mondays, Seafarer Club

Tuesday, April 17th

- CRAFTECH t-shirt painting classes- Sign-up Today!
- BINGO-Seafarer Club, 8:00 p.m.

Wednesday, April 18th

- Seafarer Club-Potato Bar Lunch Special

Thursday, April 19th

- French Dip Sandwich Special-Seafarer Club

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Combustion research

(Continued from Page 1)

NWC's Skytop facility and the data compiled for analysis on non-linear combustion instability.

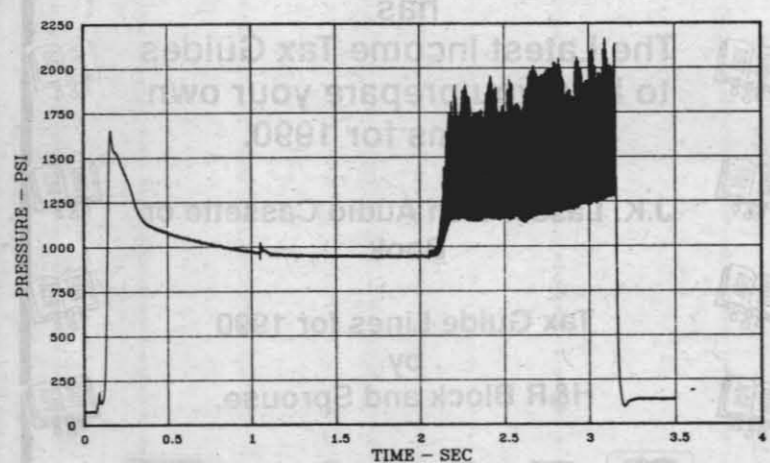
In addition to Blomshield, who is the principal investigator, Richard Stalnaker of the Research Department and Dick Horey of the Ordnance Systems Department have been involved in the program. In addition, James Crump and H.B. Mathes of Comarco (formerly of NWC's Research Department) have been involved since the program was conceived by Dr. Ron Derr, now head of the Research Department.

The 23 firings at NWC were undertaken with four different motor geometries and four different propellant types. There were two motor lengths and 22 of the motors were pulsed one or more times. Ten motors exhibited violent instabilities which resulted in motor failure. In addition, 32 stable pulses were recorded, i.e. pulses that decayed and caused no significant instabilities.

In addition to the pulsed motor firings, seven propellants have been evaluated in the laboratory for instability behavior; and the ballistics and linear stability for all motors fired were evaluated with the computer.

The predicted stability was compared against the actual measured stability from the firings. The agreement was much better than ever anticipated. This was the first time a comprehensive comparison has been made between the stability codes and real, full-scale motor data.

As a result of this program, Blomshield anticipates researchers will broaden the knowledge of rocket motor design factors that influence this combustion instability, making it easier to avoid instability problems through improved prediction techniques; increase motor reliability and make it easier to solve instability problems when they cannot be avoided.



ROCKET FAILURE—This trace shows what happens when a pulsed rocket motor goes instable all the way to failure.



ANNIVERSARY COMMITTEE—Bill Davis, NWC's Retiree Affairs Officer talks to members of the NWC/NOTS 50th Anniversary Celebration Committee. Members of the committee met last week in conjunction with the annual Retiree-Alumni Briefing provided by senior Center management. The briefing was followed by a social gathering at the Seafarer Club. Photo by PHAN Brady

SOLE sponsoring TQM session

Interested China Lakers are welcome to join the Society of Logistics Engineers (SOLE) members on Wednesday, April 18 for a brown bag lunch at their conference room at 705 Ellis (in the duplex area of NWC) to watch and then discuss an excellent video production by Dr. Tom Peters.

We have all been exposed to the terms Total Quality Management (TQM) and Continuous Improvement (CI) in the last few

months. There are obviously many good ideas contained in the presentations we have seen, and the impacts on industry are obvious. However, we have heard concerns that these concepts do not belong in our environment; such as, "That will only work where a profit is involved;" "Looks OK for manufacturing, but it won't work in R&D." To assure adequate seating, please notify "Tree" Crabtree of your intent to attend, NWC ext. 3261.

Two codes earn safety honors

Safety has always been an important part of the Naval Weapons Center's method of doing business. As examples of how the concept of "safety first" remains important at NWC, Capt. Douglas W. Cook, NWC Commander, recently presented safety certificates to heads of two Center departments.

Capt. Gene Allen, head of the

Aircraft Department and Mill Burford, head of the Aerosystems Department, were recognized for the accumulation of 500,000 man hours without a lost time accident by personnel in their respective departments. The number of hours without a lost time accident helps demonstrate the stress placed on safe operation procedures at NWC.

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Non-appropriated funds

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

No. 22-9014, Recreation Aid (Lifeguard), PS-0189-3/4/5, Salary \$4.99 - \$6.62, Temporary Part Time, Code 2294 (Multiple vacancies). These positions are in the Aquatics Section of the Sports Branch, Morale, Welfare and Recreation Division. Vacant positions are Lifeguards, Lead Guards and Head Guards. The incumbents will monitor activities and maintain order in and around the swimming pool areas to prevent accidents, provide assistance to patrons and apply first aid as needed, maintain daily logs and records. **Job Relevant Criteria:** Must have Lifeguarding, CPR and First aid certificates. Head Guards must have WSI certificate.

No. 22-9015, Crafttech Manager, UA-1101-6, Salary \$18,174 - \$23,628 PA, Permanent Full Time, Code 2296. This position is located at the CRAFTTECH Center, Morale, Welfare and Recreation Division. The incumbent will manage the Arts and Crafts program (CRAFTTECH). He/she will be responsible for coordinating, implementing and promoting the CRAFTTECH program which consists of ceramics, woodworking, special interest classes and the center stables. Incumbent will perform administrative duties that pertain to budget, resale and equipment accountability, facility maintenance, procurement of supplies and equipment, program planning and profortion and staff supervision. **Job Relevant Criteria:** Incumbent must have at least three years general experience in an arts and crafts environment with strong emphasis in the area of ceramic. Must have the ability to instruct patrons on ceramic techniques and procedures; i.e., handling of greenware, painting, differences in paint and supplies. Retail experience is highly desirable, particularly purchasing and selling. Must be able to take inventory and control in stock procedures. Must be skilled in customer service. Must be able to communicate orally and in writing. Incumbent needs to be continually aware of changing techniques, interests and methods in the ceramic field.

No. 22-9016, Auto Hobby Shop Manager, UA-1101-5, Salary \$16,305 - \$21,201 PA, Permanent Full Time, Code 22961. This position is located at the Auto Hobby Shop, Morale, Welfare and Recreation Division. The incumbent will be responsible for managing the Auto Hobby Shop, retail store, car wash and associated equipment. Responsibilities include resale accountability, equipment inventory, budget, facility maintenance, program planning, staff supervision, etc. **Job Relevant Criteria:** Knowledge of automotive mechanics and troubleshooting and safety procedures to be able to instruct participants in the program being administered. Ability to maintain financial records and budget. Knowledge of inventory control, storage and distribution practices and procedures for automotive tools and parts. Knowledge of retail business practices. Knowledge of the methods for promoting programs.

Dr. Madrigal discusses the programs offered by CSUC

Dr. Orlando Madrigal of Cal-State University Chico will be on-Center May 4 to advise current and prospective students in the external degree programs offered by the school.

Cal-State University Chico has external degree programs in computer science which lead to bachelor's and master's degrees. Those who wish to see Dr. Madrigal are asked to make an appointment by telephoning NWC ext. 2648.

Personnel News & Notes

Training Center schedules two SPAWAR E³ seminars

Two Space and Naval Warfare Systems Command (SPAWAR) E³ seminars will be held at the NWC Training Center on May 8. Both seminars will be given by R and B Associates, who are under contract to SPAWAR. To enroll in either or both of these seminars, submit a NWC Training Request Form, NAVWPNCEN 12410/73 via department channels to Code 224 by April 30.

Understanding and Applying MIL-STD-461C, will run from 8 to 11:30 a.m. The scope of this program includes understanding and applying MIL-STD-461C, provides a summary of Navy instructions and details the application of MIL-HDBK-235A and MIL-HDBK-237A. It includes pertinent

definitions regarding EMC technology and specific definitions and discussions pertaining to MIL-STD-461C.

Electromagnetic Pulse (EMP), will run from 12:30 to 4 p.m. Electromagnetic Pulse (EMP) provides an introduction to EMP terms and definitions along with the objectives for EMP testing and hardening requirements. Included are equipment basics needed to perform EMP testing according to MIL-STD-462, Notice 5 and the details of conducted susceptibility testing -- including both CS10 (pin and terminal) and CS11 (bulk cable) testing methods. An additional topic covered is radiated susceptibility testing methods (RS05).

NWC pays tuition for job-related courses at Cerro Coso college

Summer registration planned May 22, June 11-14

Registration for summer courses for continuing students at Cerro Coso Community College will be May 22 and June 11 on a walk-in basis. Registration for continuing and new students will be June 12-14 on a walk-in basis. Schedules, which should be released by Cerro Coso approximately May 1, will be available in the Training Center lobby.

The Center will pay the full tuition for NWC employees if courses are provided under the NWC/Cerro Coso Contract. If the courses are not under contract, but are job-related or will strengthen the employee's contributions to the Center's mission, tuition will still be paid directly to the college by Code 224.

To apply for Center tuition support, submit NAVWPNCEN 12410/73 (Rev. 12-88) (Request for On-Center Training) via department channels to Code 224.

If a course is not directly job-related, along with the NAVWPNCEN 12310/73, submit NAVWPNCEN 12410/66, Academic Enrollment Justification, and NAVWPNCEN 12410/68, Individual Development Plan, describing how the course fits into your overall career plan and how attendance at the course will strengthen contributions to the Center's mission.

CCP procedures explained

Custody Control Point (CCP) Procedures (12 hours)

June 26-28, 0800-1130, Training Center. By Cleve Cooper.

Intended Audience: CCPs and alternates.

Scope: This class is for all custody control points and alternates. It will include a discussion of CCP responsibilities, duties and procedures. This "hands-on" class will cover classified document control,

accountability procedures, custodial responsibilities, transmittals, markings/wrappings/addressing packages, accounting procedures, reproduction and distribution.

There will be opportunities to share problems, methods of resolving them and "good ideas" that work for you.

Deadline: June 12.

CSB has four speakers during Secretaries Week

In honor of Naval Weapons Center secretaries, members of the Corporate Secretaries Board have invited a variety of guest speakers to talk to secretaries and interested personnel during Secretaries Week, April 22-28. The selected speakers are Terry Paulsen, Charles Willhite, Charla Green and Dillard Bullard.

Dr. Terry L. Paulsen will give a presentation on "Humor in the Workplace," on Tuesday, April 24, immediately following the breakfast which will kick off Secretaries Week at NWC. The two presentations, scheduled at the Seafarer Club, are slated from 8:30 to 10:30 a.m. and from 2 to 4 p.m.

Dr. Paulsen is one of America's top-rated professional speakers. In addition to being in demand as a lecturer and trainer, he is a licensed clinical psychologist, author, media personality and editor of the *Management Dialogue* newsletter. He graduated with honors from UCLA and went on to receive a Ph.D. in psychology from the Fuller Graduate School of Psychology in Pasadena, Calif.

Charles E. Willhite will give his audience an excellent overview of safety wellness and health, specifically, prevention of back injuries, on Wednesday, April 25, from 8 to 9 a.m. and again from 1 to 2 p.m. in the Officers' Club's Mojave Room.

A graduate from the University of Illinois, Willhite is a registered kinesio therapist, certified rehabilitation administrator and a licensed safety engineer in California. He was the head therapist for spinal cord injuries at Long Beach Veterans Hospital and is currently involved in new treatment concepts and program developments for the severely disabled.

A former China Laker, Willhite was the head, Explosive and Laboratory Safety Division at NWC for 16 years. He retired from his civil service position in

1985. While at NWC, Willhite was instrumental in the establishing the Physical Medicine Department at Drummond Medical Center and Ridgecrest Hospital. This dynamic lecturer is currently in demand as a speaker and instructor in safety wellness and health.

Charla Green will present a seminar entitled "Envision a Renewed You" on Wednesday, April 25, from 9:30 to 10:30 a.m. and again from 2:30 to 3:30 p.m. in the Officers' Club's Mojave Room.

With a master's degree in business administration, Green is a certified financial planner and operates a "fee-only" financial planning and tax practice. She has been teaching courses at the Naval Weapons Center for the



past three years and has worked at NWC as a management analyst.

During her presentation, Green will help the audience find out more about themselves and what kind of lifestyle best suits them.

Dillard Bullard will talk about Total Quality Management (TQM) from 9 to 11 a.m. on Thursday, April 26, in the Officers' Club's Mojave Room.

Bullard has been a member of the NWC team since 1960. He became the director of the Quality and Productivity Improvement Directorate at NWC in November 1989 and is responsible for improving quality and productivity for more than 6,000 military and civilian personnel.

During his tenure at NWC, he has headed the Air and Surface-Launched Weapons Branch, Quality Assurance Branch and the Weapons Department, which later became the Intercept Weapons Department.

Special thanks

Cub Scout Pack 805 wishes to thank all persons/businesses who supported their March 18 Spaghetti Dinner/Drawing Fundraiser, with special thanks to the Ridgecrest merchants who supported the event with donations of goods and services: T&T Alignment, Valley Car Wash, Kunz Electronics, Oak Specialties, Coast to Coast, Creations in Silk, Motion Tire, The Picture Place, Speedy Lube, Horizon Travel, Prime Cut (Cindy Piette), The Flower Shop, Major Video, Sierra Lanes, Tire Man, Greys Hair Salon, Grazianos, Bud Eyre Chevrolet, Nails Unlimited, La Fiesta, Karst Firewood, Liberty Ambulance, Al & Reeds, Elite Travel, Dan Bartell, Country Feed Barn, Faris', Burger King, Parallel Connection, Pizza Hut, Classic Pizza, Hitter's, White Star Mine, Ridgecrest Cinemas, San Juan Fire, McDonalds, Albertsons, Golden Corral, Von's and Sizzler.

Also, very special thanks go to the Eagles for the use of their lodge and for their delicious spaghetti.

Craftech offers many methods to demonstrate appreciation for good work

With Secretaries Week just around the corner, April 22-27, now is the time to start thinking of the best way to show your appreciation for all the hard work she, or he, puts out on your behalf. Stop by the Craftech Center today and check out the variety of items which would show your appreciation.

Fresh flower bouquets, especially arranged for that special employee, are always a nice touch. Perhaps a unique T-shirt, mug or plaque would help you express your appreciation.

In case you still don't know what to do, Craftech houses a wide assortment of novelty gift items in its Four-Seasons gift shop. Stop in and see what is available or call Craftech today at NWC ext. 3252.

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ASN BRIEFED--Ken Koch (right) and Bob Hintz (center) of the Aircraft Weapons Integration Department discuss the PAIRS Program with Assistant Secretary of the Navy Dick Rumpf during his recent visit to the Naval Weapons Center.

Computer Society hears of software development

Terry McMillan offers suggestions during group's lunch meeting at El Charro on Tuesday

Visitors are welcome at the next meeting of the China Lake Chapter of the Computer Society, April 17 at El Charro Avitia restaurant. Lunch starts at 11:30 a.m., followed by a presentation at 12 noon by the society's guest speaker Terry McMillan, currently NWC Programs Engineering Manager, Ford Aerospace Corporation.

McMillan's topic, *Running*

Amok in the Software Development Process... Some Suggestions for Impact Avoidance, provides insight into 1) why the successes of software's evolution (into a sophisticated set of standards and elaborate methodology using new languages) have not been communicated effectively; 2) why some of the successes have not reached the magnitude we expected; and 3) what people

in the software development arena can do to improve their relationships with associated engineering and management peers.

A 25-year veteran of the aerospace industry McMillan's career has spanned hardware and software design and development, simulation, system production, and project/engineering management.



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I was told that I could not load some of my personal software on my computer here at NWC. This is not bootleg or pirated software, and since I am the only one to use the application, I do not see any reason that I should not use the software.

To paraphrase the rule: Thou shalt only load government procured software on a government owned computer! This applies to new application software as well as upgrades. There are several issues which make this rule a good standard to follow. A few examples follow:

Possible virus contamination. There are documented cases where brand new software, obtained directly from the manufacturer, have contained a virus; we're talking right out of the shrink-wrap. If you are not running virus detection software at home and have an infected application that is brought to work and loaded on your computer, and the virus spreads... Well, you get the picture.

Incompatibility. If your computer is on one of the numerous networks that reach across NWC and your application just happens to be incompatible with some of the network software, it is possible that you might crash the network. This scenario could leave ten, twenty, a hundred, or more people without network access to complete their daily work; not to mention the potential that critical data could be lost when the network crashes.

Data ownership. If the application you bring in from home produces files which are not accessible without your application, and then someone else needs to utilize that data, it creates an ownership issue that could prove to be uncomfortable for you. To be specific, if you use personal software to work on a government project and the actual data or official records produced by your software are not compatible with government procured software, then the government will own your software. Is that a risk you really want to take?

However, this rule is not cast in concrete. It is up to the discretion of your department head, and subject to approval by the NWC Computer Security Officer (CSO), as to whether you may load your personal software on a computer here at NWC. Given the concerns I've mentioned today, instead of bringing your software to work, you may want to consider asking that a copy of the software you wish to use be purchased by the department. In the long run, this will definitely avoid many potential problems.

OTHTC announces plans for upcoming competition

On Sunday, May 6, the Over the Hill Track Club's 16th annual 10 Mile Run will take place. The starting line will be at the intersection of US 395 and old 395, south of Ridgecrest. Walkers may start at 7 a.m. and keep their own time, while runners take off at 8 a.m. This is a fast, point-to-point course that is slightly down hill.

Cost is \$10 per member, \$12 for non-members and \$15 for all late entries. Deadline for early entries is April 21. In addition, anyone registering after April 21 will have a three-week delay for the colorful, original T-shirt designed by Marla, which all contestants will receive.

There will be awards for open and age groups for

men and women. Age group awards will be based on the pre-registration county.

Fruit, lemonade and beer will be available for all contestants. A picnic in the Inyokern park is planned after the run, so be sure to bring a picnic lunch.

For more information, call Scotty Broyles at 446-2941 after 4 p.m.

Entry forms are also available at the Pro Shop at the NWC Golf Course and the NWC Gym. Entry forms should be made out to OTHTC 10 Mile Run; C/O W. H. Broyles; 1243 Wayne Street; Ridgecrest, CA 93555. Checks should be made payable to OTHTC.

Inyokern Road Race

Name Sex Phone Number

Address

T-Shirt Size: Please circle one: Small Medium Large Extra-Large

Division: Please circle one: 14 & Under 19-29 35-39 50-59 15-18 30-34 40-49 60 and over

Waiver: In consideration of my entry, I, intending to be legally bound, do hereby, for myself, my heirs, executors and administrators, waive release, and forever discharge any and all rights and claims which I may hereafter accrue against the Over-The-Hill Track Club, and all other sponsors and their respective officers, agents, representatives, successors, and/or assigns, for any and all injuries suffered by me while traveling to or from or participating in this event. I certify that I am physically fit to complete this strenuous event.

Entrant's Signature Date

Guardian must sign if entrant is under 18 years of age



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Marines issue challenge

Third annual fitness run set for Saturday, April 21

Enter the third annual Marine Aviation Detachment Fitness Challenge scheduled for Saturday, April 21. The five-mile run around Mirror Lake will take off at 8 a.m. with the race's starting point at the junction of Inyokern and North Richmond roads.

Trophies will be awarded to the top male and female finishers. Following the race, a drawing will be held for more than \$400 worth of prizes. All participants will be eligible for the drawing.

Registration fees are \$8 for those who register before April 21 and \$10 for those who register on the day of the race. To register, simply mail or bring the entry form printed with this article to the MAD, 813 Nimitz, China Lake. Checks should be made payable to the Marine Corps Fund.

Local organizations contributing to the prize fund include, John's Pizza-Pasta & Ice Cream, Towne Centre 1 Hour Cleaners, Sizzler, Todd's Outdoor Supply, Sierra Lanes, Pizza Hut, Golden Corral, Major Video, Bud Eyre Chevrolet-Buick and Corny's Shoe Store.

Men's military team plays Edwards in double header

China Lake's Men's Varsity Softball team, made up of active-duty military personnel, needs community support as they go compete in the Desert to the Sea Interservice League. The league consists of teams from Edwards Air Force Base, Naval Air Station Point Mugu, Naval Station Long Beach, Construction Battalion Center Port Hueneme, National Training Center Fort Irwin and the Naval Weapons Center.

The local team's first competition will be against Edwards Air Force Base in a double header this Saturday (April 14) at Schoeffel Field. Action begins at 11 a.m.

Come out and give the local military your support!

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813 Nimitz
China Lake, CA 93555

Make checks payable to: Marine Corps Fund

Last Name	First Name	MI
M/F	Age	Phone
Address		

I certify that I have decided to participate in the 5 Mile Fitness Challenge, with full knowledge that being physically fit and sufficiently trained is necessary to prevent any injury to myself. In consideration of the acceptance of my entry, I, for myself, my heirs, devisees, executors, administrators and assigns hereby waive, release and discharge any and all claims against the Marine Corps, and all sponsors, employees, agents or representatives, arising out of my participation in the 5 Mile Fitness Challenge.

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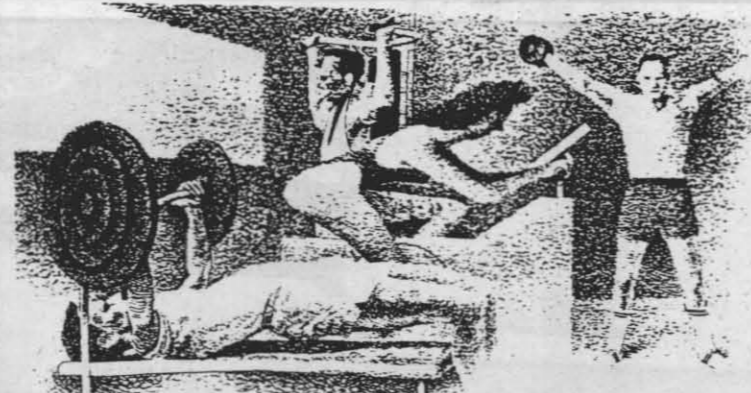
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Reserved hours benefit military, DoD personnel

Effective immediately, the weight room located at the NWC gym annex will be reserved exclusively for military and DoD personnel and their dependents from 4 to 7 p.m. Monday through Friday. According to the Sports Branch personnel, this change was necessary due to the popularity and limited size of the weight room.

Private citizens, however, are still encouraged to use the weight room during all other hours of operation. The Sports Branch staff apologizes for any inconveniences these new hours may cause gym patrons.

For further information about the newly reserved hours, please phone Elaine Arnell, athletic director, at NWC ext. 3387 during normal working hours.

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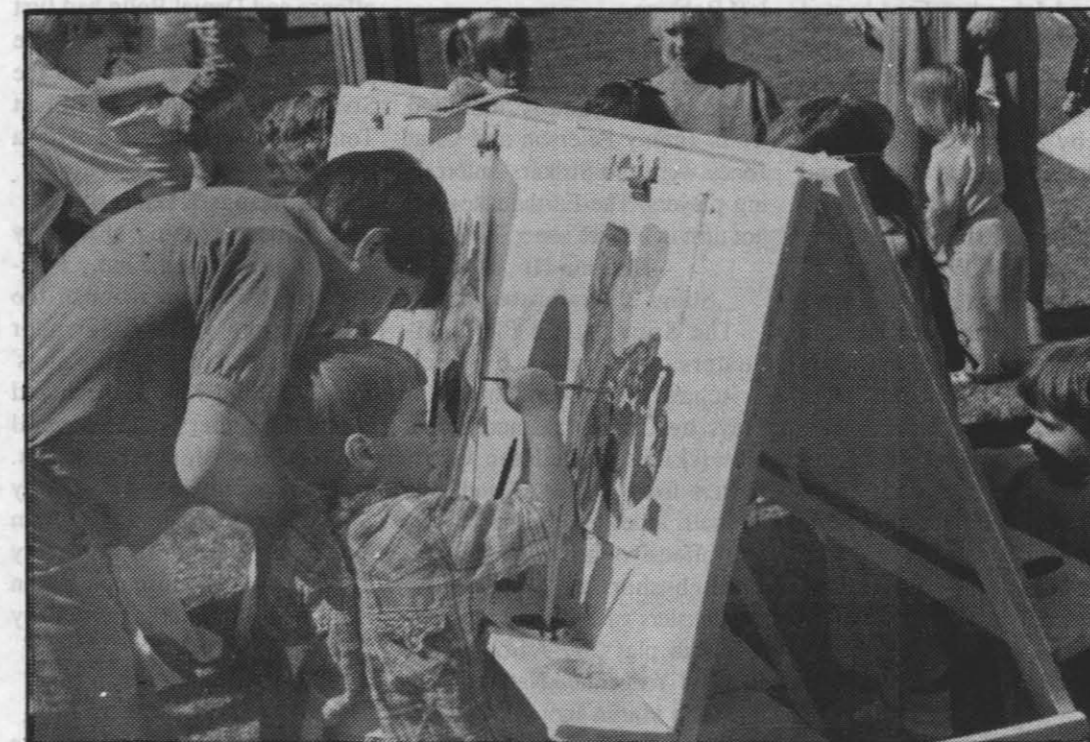
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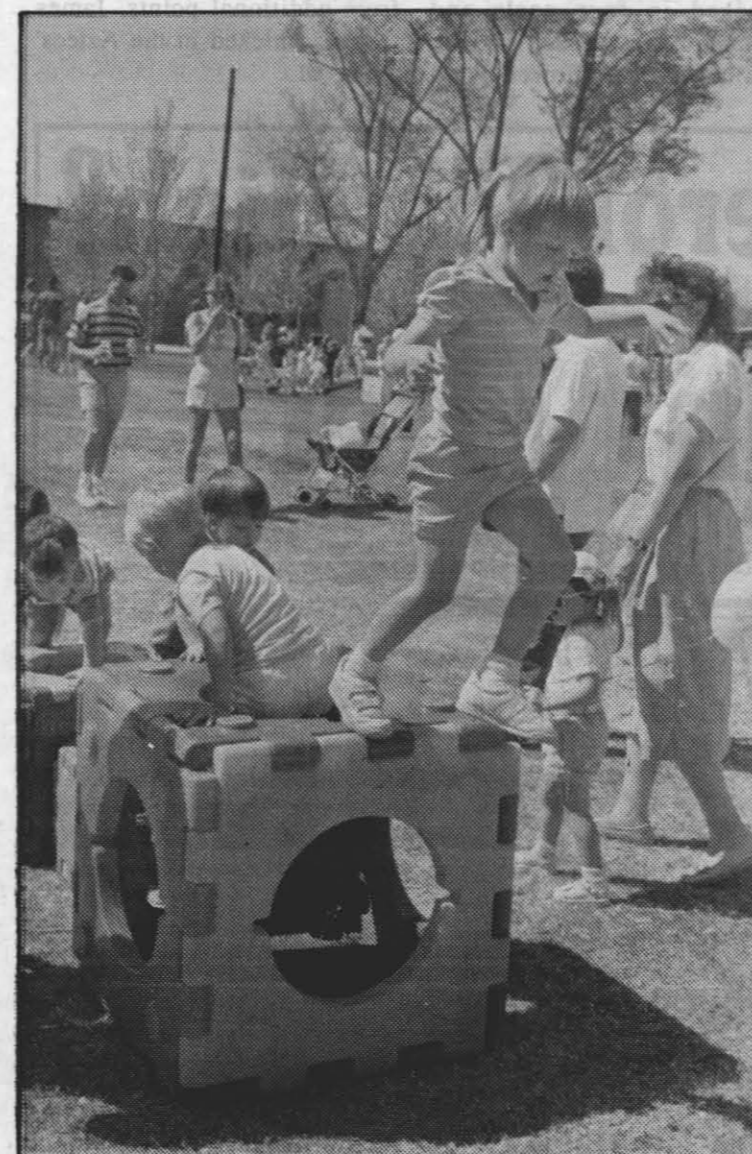
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Annual Children's Fair draws youngsters to Solar Park lawn



AN ARTIST AT WORK -- This young man and his father are busy painting a masterpiece on the easel supplied by the Immanuel Christian School during the Children's Fair held last weekend at Solar Park.



GET READY, GET SET, GO-- Over 1,500 people attended this year's Children's Fair. In the picture above, children play in the Right to Life's Infant Toddler psychomotor course.



GERONIMO--In the pictures above, children avail themselves of the NWC Children's Center psychomotor course.

Photos by PHAN Cary Brady

More than 1,500 people attending the Children's Fair held at Solar Park last weekend. According to Jo Lish, the preschool supervisor at the NWC Children's Center, the fair was a definite success.

According to Lish, local organizations who deserve a hand for helping to support the valley's youth by donating food and drinks are Tender Cut Meats, the Hamburger Stand, Albertsons, Sandwiches & Things, Vons, Burger King, McDonalds, Junk Food Junction, Blimpie's and the Circle K on Norma Street.

"Each year we make lists on what we should do differently," said Lish, "so each year, the fair is a little bit better than the previous one."

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Approximately 314 youngsters take to the fields

NWC Youth Soccer League starts spring season

Approximately 314 youths, ranging from Grade 1 to 9, took to the fields last weekend in the first games of the NWC Youth Soccer League. During the next 10 weeks, the 28 teams will be taught soccer skills, tactics and why team work is necessary. The league is part of Youth Activities, Morale, Welfare & Recreation Division.

Division I

Coyotes 0, Express 0

Neither team could get the advantage over the other in this exciting match. Sandy Grace and Kelly Gartner played excellent defense and prevented the Express from scoring. The Coyotes couldn't kick one in due to the efforts of Whitney Harris, Michael Chambers, David Begin and Jacob Nazek.

Cougars 1, Sounders 0

The Cougars emerged victorious due to the efforts of Shannon Parks, Robert and Ryan Charlon, Becky Cornell and a goal by Andy Smith. Goalies Chris Shine and Brian Kajiwara prevented the Cougars from scoring more than one. Rory O'Neil, Emerson Ward and Jared Bowling provided outstanding defense in the loss.

Stallions 3, Hurricanes 0

Team work enabled Jonathan Brown to score the winning three goals. Eric Otto, Sheldon Plummer and Megan Campbell showed some good defensive moves in the loss.

Owls 3, Cobras 0

The second half decided the

victory when Andy Forrester kicked in two goals and Rich Tyburski booted in one. Saves by goalie Al Krabbe prevented the Cobras from scoring. Kyle Cliborne, Michael Dorrell and Justin Koharchick played well in the loss.

Apollos 1, Eagles 0

Superb moves by Greg Waller and Jack Harrison, along with a goal by Brian Haugen, gave the Apollos their first win. While the Eagles didn't score, Ben Marvin came awfully close. Aggressive attacks by Timothy Witt and saves by Matthew Bloudek showed Apollos that the Eagles shouldn't be underestimated.

Division II

Bullets 3, Jets 0

Defensive action by Amy Dorrell and Beth Behr and goals by Blake Hardin, Mike and Scott Giroux shot the Bullets to victory. Valiant play by all players, especially Ben Labee, Aaron Marshall and Ben Nazek wasn't enough for the Jets.

Rockets 3, Roughnecks 2

Two shots by Brett Thomson and one by Chris Long gave the Rockets a victory. Matt Wilson and Floyd Willis Jr. kept the Roughnecks from tying the score. Goals by Jason Hiatt and Matt LaBarge, along with plays by David Rollingston and Mark Schramm couldn't upset the Rockets.

Wolves 5, Electrons 2

The Wolves took a solid lead when Sam Elson knocked in three

goals and Johnathan Ford booted in two. Karla Villegas and Douglas Bowman had good offense in the win. The Electrons had nice plays by Jarrett Burke, Adam Szymanski, Matthew Blashill and Julie Bloudek. Earl Shiflett and Andy Pape scored in the loss.

Diplomats 4, Whitecaps 2

The Diplomats battled back from a one to nothing deficit with three goals by Willie Eichenberg and one by Erik Rosenlof. Mark Ogren and Melissa Benson were credited with a good job of setting the ball up for scoring. Winning defensive efforts were made by Chani Christensen and Rad Everett. James Ferguson had excellent defensive moves for the Whitecaps and J.R. Snodgrass made several saves as goalie. The Whitecaps' goals were made by



Jeff Robbins.

Strikers 0, Earthquakes 0

Neither team could slip by the other in this equally matched team. Jimmy Peterson and Clint Jones were the Strikers' interesting players. The Earthquakes did not turn in a score sheet.

Division III

Stings 2, Goalbusters 1

The Stings stung the Goalbusters with goals by Nick Pritchard and Ben Coleman. Plays by Chris Maki and Kevin Nowicki prevented the Goalbusters from getting a handle on the ball. Jolie Robison had excellent offensive moves in the win. Though short of players, the Goalbusters gave a good accounting with plays by Aaron Ward, Bill Bill Yeager and Nathan Turner. Justin Martin shot in their only goal.

Furies 9, Soccers 6

In a fast-paced game, the Furies shot ahead when Aaron Knecht and Glenn Conrad each knocked in four goals and Heather Busby kicked in one. Robby Andrew showed good

offense and Daniel Bolin had first class defense for the win. Jamie Rugg scored all six points for the Soccers. Despite the loss, Robert Tomlinson was credited with a good job as goalie.

Mustangs 1, Lancers 1

Excellent passing ability by Chris Kajiwara and Jimmy Powers wasn't enough to push the Mustangs to victory. Salvador Ramirez scored the Mustangs' lone goal and Kate George and Heath Chambers made several point-saving defensive kicks. Defensive moves by Robby Moran, Stanley Scofield and Sean Glasco kept the thrill of victory away from the Mustangs. Jason Ford scored the Lancers' only goal.

Division IV

Renegades 3, Aztecs 1

In a hard-fought game, the Renegades emerged victorious due to goals by Jerry Green and Aaron Schwartz. As goalie, Steve Sticht prevented the Renegades from additional points. James Gonzaga kicked in the Aztecs' only goal.

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ATTENTION!--Capt. Douglas W. Cook, NWC Commander, parents and Indians Wells Valley Youth Baseball League players and officials pay proper respect as the members of the NWC Color Guard parade the U.S. and Navy flags during league's opening day ceremonies. Capt. Cook was one of the guest speakers and threw the first ball to start off the 1990 season. Baseball play will continue on the China Lake and Ridgcrest fields through June.
Photo by PHAN Cary Brady

Intramural softball meeting scheduled

Morale, Welfare & Recreation's Sport Branch is starting plans for the upcoming softball season. An organizational meeting is planned for April 16 at 4:30 p.m. in the MWR Conference Room. This meeting is for current softball managers and for anyone interested in joining an adult softball team.

The softball season begins May 14. For further information, call Michelle at NWC ext. 6542.



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China Laker and son win trophies in Keyesville race

Dan Buckley, a mechanical engineer in the Missile Systems Branch at the Naval Weapons Center, and his son, Justin, finished first and second, respectively, this past weekend in the Keyesville Classic mountain bike race. The race was put on by the Southern Sierra Fat Tire Association of Bakersfield. Over two hundred riders took place in the race.

The race's 5-mile course was laid out in the foothills by Lake Isabella, with participants riding one to four laps, depending upon their category. Riders had to contend with trees, rocks, narrow

trails, a water crossing, steep climbs and fast descents.

Buckley competed in the Veteran Sport Class and finished with a time of 1:17:41 in the 15-mile event, two seconds ahead of the second place finisher. His son, Justin, competed in the Beginning Juniors Class, which was a 5-mile race, and finished second with a time of 29:41.

Local riders rode away with four first place, three second place and one third place trophies.

Submitted by Bob Long

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