

Movies

FRI-SUN. JULY 29-31
"BILOXI BLUES"
 Starring
 Matthew Broderick and Christopher Walken
 (Comedy/Drama, rated PG-13, 107 min.)
 TUES. AUG. 2
MATINEE
"BENJI THE HUNTED"
 (Adventure, rated G, 90 min.)
 WED. AUG. 3
"THE SERPENT AND THE RAINBOW"
 Starring
 Bill Pullman and Cathy Tyson
 (Science Fiction, rated R, 98 min.)
 THURS. AUG. 4
MATINEE
"BACK TO THE BEACH"
 Starring
 Frankie Avalon and Annette Funicello
 (Comedy, rated PG, 92 min.)
 FRI. AUG. 5
"LIKE FATHER, LIKE SON"
 Starring
 Dudley Moore and Kirk Cameron
 (Comedy, rated PG-13, 99 min.)

(I) ALL AGES ADMITTED
 General Audiences
 (PG) ALL AGES ADMITTED
 Parental Guidance Suggested
 (R) RESTRICTED
 Under 17 Requires Accompanying
 Parent or Adult Guardian

Best and prettiest plantings sought

In a salute to Ridgecrest's 25th anniversary, area garden clubs and the Desert Empire Fair Board of Directors are sponsoring the 1988 Fair Flower Show with a theme of "People, Pride and Progress."

People of all ages are encouraged to enter exhibits in each division of the flower show set for Sept. 14-18 at the fairgrounds.

General rules for horticulture/floriculture start on page 10 of the

1988 Desert Empire Fair Premium Book.

The entry deadline for commercial, landscape, educational, floral designs and potted plants is Aug. 24. All other hort-flora entries, 4-H, junior horticulture and others must be made by Sept. 12. An entry workshop is set for 9:30 a.m. at the Oasis Garden Club, 713 Ellis Street, on board the Naval Weapons Center.

For additional information, call Kathleen Pratt at 377-5347 or Dorothy Roton at 375-9510.

**Weather Report**

	Max	Min	Gusts
Thurs.	111	80	36 knots
Fri.	110	76	31 knots
Sat.	108	74	25 knots
Sun.	108	77	19 knots
Mon.	110	80	18 knots
Tues.	109	80	20 knots
Wed.	111	74	32 knots

All measurements are made at Armitage Airfield.

Community Events

On Saturday, July 30, the Fabulous "Shirelles" will be appearing at the Commissioned Officers' Mess. Accompanying the Shirelles will be Mr. Night Train himself, "Joe Houston."

August 4 through 6, the Cut & Dry Barber Shop in Bennington Plaza will be closed for building maintenance. They will re-open on August 8 for business as usual.

Dinner, dancing and fun will highlight the Junior Professional's (JP's) Summer Bash on Saturday, Aug. 6. Billed as the place where the smart people meet, the bash starts with dinner between 6 and 8:30 p.m. Dancing and other fun begins at 8:30 p.m. Tickets and information are available from Mark Lambert at NWC ext. 1130, Patrick Croyle and NWC ext. 2629, Kim Schwalb at NWC ext. 5164 and the Professional Recruitment Office at NWC ext. 3371.

Tryouts for the China Lake Players production, *The Players—An Original Showcase*, begin on Monday at 7 p.m. They will continue on Tuesday and Wednesday, again starting at 7 p.m. at the United Methodist Church, 639 N. Norma Street.

Copies of the script are available for reading at the Ridgecrest Library. Performances are scheduled for Sept. 16, 17, 23 and 24.

Employees in the Morale, Welfare and Recreation Department will be holding an annual department party on August 8. All Morale, Welfare and Recreation facilities will close at 5 p.m. to allow all department employees to attend. Mark this date on your calendar, so we do not inadvertently cause you or your family any inconvenience.



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NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLIII, No. 28/July 29, 1988

Ed Royce receives special honor

At last week's Commander's Meeting, Dr. Edwin B. Royce, Naval Weapons Center (NWC) technology base director, was presented the Navy Meritorious Civilian Service Award by Capt. John Burt, Commander, NWC, in recognition of Royce's outstanding performance as a leader, manager and scientist during his twelve years at NWC.

From May 1976 through April 1986, Royce was head of the Research Department. In his nomination letter, Gerry Schiefer, technical director, noted, "Dr. Royce was highly successful in focusing the research programs of the department to impact the creative output of the Naval Weapons Center and satisfy total Navy requirements. He consistently maintained quality manage-

ment and continuing high research output during times of uncertain funding, balancing the needs of the department and Center against the available resources."

Under Royce's guiding role, NWC garnered the honor of being designated the "Premiere" research facility under the Director of Naval

Laboratories. The "E" Flag, *The Navy Laboratories Science Excellence Award*, was presented to NWC in 1982.

Additional accomplishments under his leadership were his ability to recruit high-quality scientists and engineers, the core of a productive, ongoing research program; his high quality administration of the Inde-

pendent Research Program at NWC; and his vital role in obtaining NWC mission-related non-Navy funding research programs for the Center.

Since the spring of 1986, Royce served as technology base director for NWC. The citation from Capt. Burt which accompanied the award read, "In your role as overseer and (Continued on Page 7)

Water woes

Center officials hope the worst is over for this summer

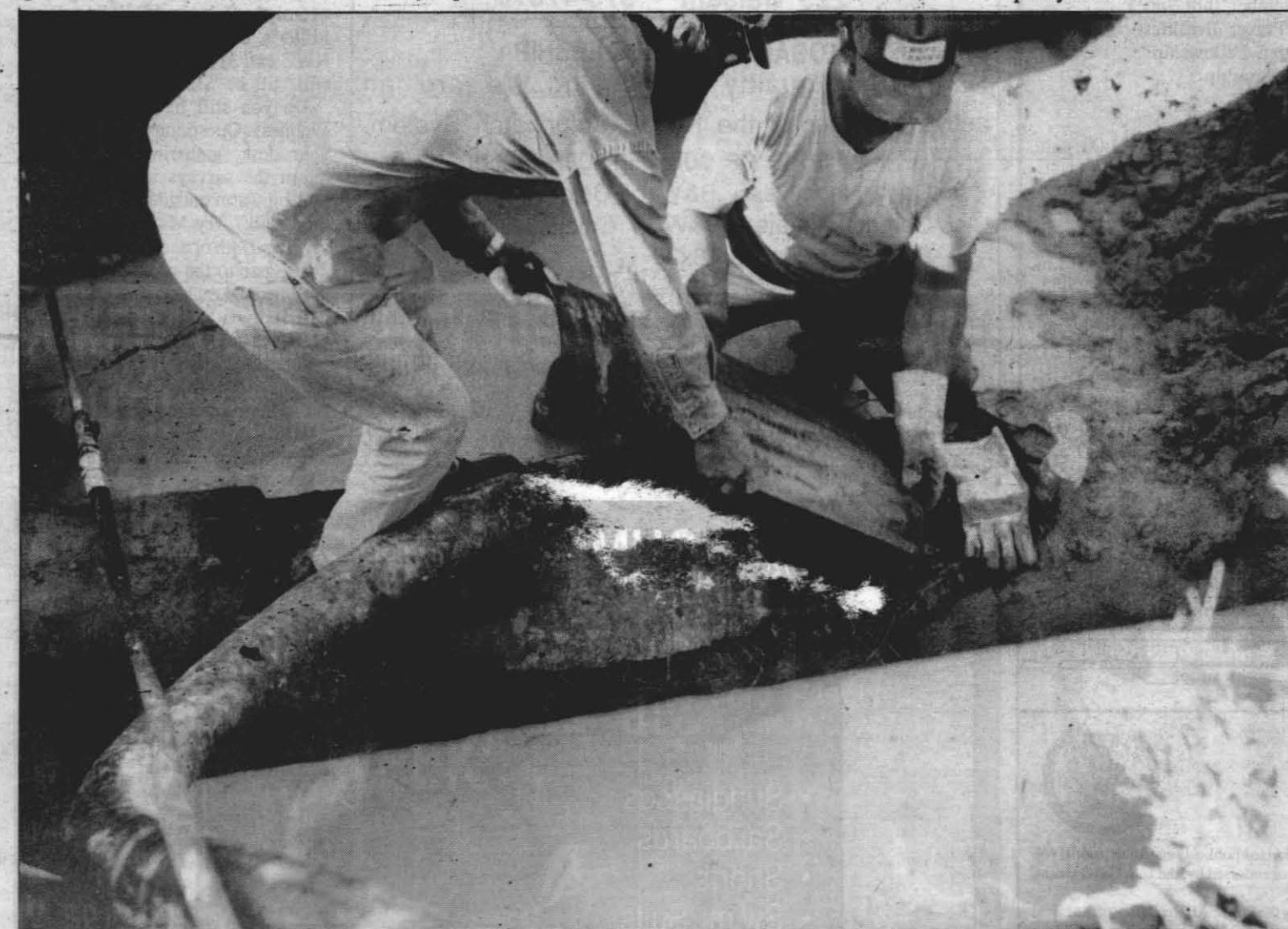
By Steve Boster
 Rocketeer Editor

"We've done all we can do," said Dave McKinney of the Naval Weapons Center's (NWC) Public Works Department about repairs to Center water lines. McKinney and J. O. Crom, of the Maintenance-Utilities Division, noted repairs the past two weekends were the result of unexpected breaks in the 24-inch water main coming from the B-Mountain reservoir.

Crom said public works crews had succeeded in shutting down and bypassing the upper end of the 40-year-old pipeline, the section giving maintenance crews the biggest problem.

Department personnel are in the process of designing a new system and have taken action to let a contract for repair of malfunctioning valves that prevented them from isolating that 24-inch line from the rest of the system. McKinney noted more than two miles of the old pipeline remain part of the system for now. He and Crom displayed a piece of pipe removed during last weekend's repairs. Once a solid piece of 10-gauge steel, it now looks more like a piece of rusty brown Swiss cheese.

(Continued on Page 5)



WATER WORKS—Public works employees struggled to cope with hot weather, long-hours and rusted water pipe as they repaired three breaks in water lines dur-

ing last weekend. Center officials said steps have been taken to minimize the impact of any other breaks in the water mains. Photo by Alan Lyngholm

NWC reserve unit welcomes new skipper

By Diane Campbell
 Associate Editor

"When I look out and see our flag and all you people in uniform against the blue sky and the

clouds; and I see the mountains that surround us, I know what 'purple mountain's majesty' truly means in this great country of ours," commented Capt. John

Burt, Commander, Naval Weapons Center (NWC), at the change of command for NWC Reserve Unit 0176. "You 'weekend warriors' give up lei-

sure time you might spend in those mountains to get ready to answer the call to duty if ever asked."

Last Saturday, on the front

lawn of the Headquarters Building, Capt. William Hunt, USNR, assumed command from Capt. James G. Fagnant, USNR. Join-

(Continued on Page 13)

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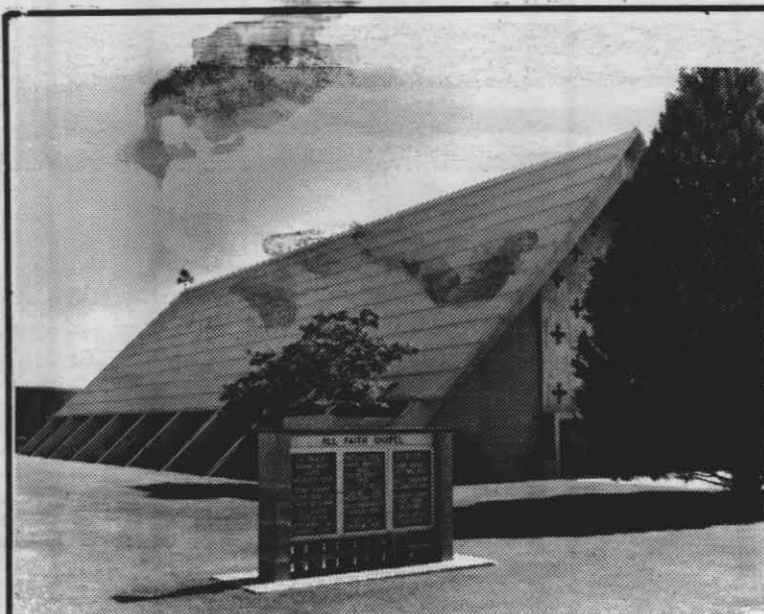
'86 Mercury Lynx Vin. #612279 WAS \$6,499
 4 cyl., auto., A/C, AM/FM stereo, 4 dr.
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'84 Ford Escort Vin. #186594 WAS \$5,999
 4 cyl., auto., A/C, AM/FM cass., tilt, low miles.
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*All Prices Plus Tax, Lic., Smog

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Divine Services

Protestant	
Sunday Worship Service	10:30 a.m.
Sunday School (September thru June)	9:00 a.m.
Bible Study (East Wing)	
Wednesday 11:30 a.m. (September thru June)	
Thursday 6:15 a.m. Men's Prayer Breakfast	
7:00 p.m. Officers' Christian Fellowship	
Christian Military Fellowship	
Islamic	
Jumaa Prayer (Friday in Annex 4)	1:00 p.m.
Roman Catholic	
Sunday Mass	9:00 a.m.
Communion Service (Monday)	11:35 a.m.
Daily Mass (Tuesday thru Friday)	11:35 a.m.
Confession (Tues.-Fri.)	anytime by appt.
Confession (Sunday)	8:15-8:45 a.m.
Religious Education Classes (Sunday)	10:30 a.m.
(September thru May)	
Jewish	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday in Annex 4)	9:00-10:00 a.m.
Sabbath School (Annex 4)	1:00-4:00 p.m.

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NWC Rocketeer

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NWC's Wellness Corner

Have you ever been running errands and left your child in the car? The scenario might go something like this... You are in a *big hurry* and just need to stop by the bank to cash a check. You only plan to be gone five minutes, so rather than take time to get your child (infant, toddler or preschooler) out of the car and into the stroller, and then out of the stroller and back into the car when you return, you quickly decide to leave the child in the car in order to save time. You run to do your errand and when you return your child is gone!

Throughout the year, children are often left in motor vehicles at banks,

the post office, shopping centers and in neighborhoods. It is probable that parents guilty of these acts are not aware that it is a major crime and possibly life threatening to leave a child unattended in a car. In some cases, parents or guardians may be found guilty of a felony due to willful child endangerment. By law in California, a person may be punished by imprisonment in the county jail for one year or state prison for two, four or six years. Indeed, leaving your child alone in a car is a serious crime.

Another consequence may be that your child is taken away from you and put into a foster home under the Child

Protection Service. Most parents who love and care for their children must shudder to think of this nightmare becoming a reality. Prevent it from happening! Slow down and take your child with you or have a responsible person care for your child while you are gone.

Even if it were not a crime, there are many good reasons why we should not leave our children unattended in cars:

1. It only takes one minute or less for someone to steal or kidnap a helpless child from a vehicle. In addition, a

(Continued on Page 7)

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Wellness office making a move to its new home

As of Aug. 2, the Wellness Program Office will be located in Room 216 of the Personnel Building. Betty Miller's telephone number will be NWC ext. 3162. Her E-Mail address will still be SEF:MILLERB.

Do you still have one of those Wellness Questionnaires sitting on your desk, gathering dust? Please return the surveys to Code 02A3.

A bit warm outside for your lunchtime walk? Try Michelson Laboratory. It is 1/8th of a mile from the main guard gate to the north entrance. Go upstairs, make a loop back to the main gate and you have a 1/4 mile logged. Sure beats the heat.

Interested in becoming a facilitator for the American Cancer Society's Fresh Start Smoking Cessation Program? Contact Rose Varga at 446-3939 for training information.

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Used bike financing available to E-1 and above at Bob Foster's Super Cycles. 217 N. Balsam St., Ridgecrest, (619) 375-8606.

Used motorcycles see them at Bob Foster's Super Cycles, 217 N. Balsam St., Ridgecrest, (619) 375-8606. Ask for Bob.

473 Motorhomes & Campers

12FT Sailboat seat 4, Dacron mainsail and jib. Ready to sail \$250. With trailer \$350. 1110 N. Scott. 446-2809 or 375-7782.

485 Autos for Sale

1965 BUG, 12 volt converted, motor apart, needs rebuild. New Michelin steel radials, good transaxel, extra motor - apart, extra transaxel, extra wheels plus parts. All for \$675. 375-8155.

1975 Capri, V6, 4 speed, white, runs great, good interior, \$1,000 or best offer. 375-2812 after 2 p.m.

1977 CHEVY Monza, \$2,500, good work car. Call 375-2061.

1978 JEEP Wagoneer LTD 400, V8, p/s, p/b, a/c, cruise, leather, strong engine, new x/r bottom, some rust, moving, must sell, hi book, \$4,400, go for \$2,750 or best offer. 446-4483.

485 Autos For Sale

1978 MERCURY Marquis, fully loaded, good condition. \$900 or best offer. 446-4713 after 5 p.m.

1979 FORD BRONCO, 4 wheel drive, p/s, p/b, parked on Lemon Lot, excellent condition, \$4,400, or best offer. Phone 446-6922.

1982 Honda 750 Supersport, silver, fast, runs well but needs tune-up, \$887 or best offer. 375-9240, Lemon lot on base.

1984 Mustang GT, 2-Tone, air, AM/FM cassette, T-Top Power steering, brakes, windows, custom wheels, excellent condition. \$7000. Jerry 446-6036. 446-7671 x 431.

1984 PONTIAC Sunbird, 4 door, A/C, full automatic, asking \$4,000. Call 375-1638 after 6 p.m.

1984 TOYOTA, 60,000 miles, good condition, air conditioning, cassette, liftback, below blue book, \$2,300, or best offer. Call 375-4516.

1986 Chevy Celebrity, loaded, very clean, low miles, make pay off \$8,682, no equity, must sell. 446-5073.

1988 Mazda RX7 SE, 5 speed, power steering/brakes, a/c, AM/FM cassette, cruise, sun roof & hatch. Medical expenses forces sale. Asking pay off balance. 375-4744 days, 375-7845 evenings.

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1985 BMW 325E, 21 K miles, 8/T, 8/C, AM/FM, cruise control, full power functions, excellent condition, \$16,500, or best offer. 375-5184.

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THE reasons why smart people buy from Charlon & Simolon Used Car Corner: Best prices anywhere; mechanic on duty; warranties available; financing available; trade-ins welcome; courteous after sales service. Call Dave, Mike or Dick at 375-1998.

493 Four Wheel Drive

1979 BRONCO, 4 x 4, p/s, p/b, excellent condition, \$4,400 or best offer. 446-6922.

1986 FORD, F350, 6.9 liter diesel, 4 x 4, 1 ton dually, LX interior, cruise control, A/C, tilt, AM/FM cassette stereo. Asking \$1,500 down and take over payments. 873-4217.

485 Autos For Sale

WANTED: All late model Mustang GT's for Ridgecrest Mustang GT Club. Call 446-2743 after 4 p.m.

489 Trucks and Vans

1975 Toyota 4 speed pick-up with shell. Runs great. \$2,000 or best offer. 375-7845 evenings.

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497 Auto Repair

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501 Parts & Accessories

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21575R15.....	\$47.88	875-16.5.....	8 ply \$65.88
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LOST A HUB Cap or need a set, head for Pearsonville, Hub Cap Capitol of the World. 377-4585.

Looking for a new garage door or entry door? Call Desert Garage Doors. 446-3446.

MOVING OVERSEAS, Kenmore large capacity digital microwave, \$200; Murray ten speed bike, \$40; Rock a Rock infant seat. 446-2661.

NEW VW BUG windshield, \$39.95 and up. Pearson's Auto Parts in Pearsonville. 377-4585.

353 Miscellaneous For Sale

Queen waterbed, with headboard & sheets, \$300 or best offer. Also Pioneer amp, equalizer, never been used, \$80. 375-8835 after 5 p.m.

Rowing machine \$100. Jogging trampoline \$10. 446-6172.

SAVE \$\$\$ on auto parts, hub caps & windshields. Pearson's Auto Parts & Wrecking, Hwy. 395, Pearsonville. 377-4585.

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SOLID Teak Furniture: Dining room table and china hutch \$100, dresser \$500, grandfather clock \$900. Call Nancy at 375-2731 or 446-2044.

TWIN SIZE BED, good condition \$35; king size waterbed, almost new, fancy foot and head board, pads included, \$180. Call 446-6778.

353 Miscellaneous For Sale

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357 Pets

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Cockerpaniel for sale: Silver colored, female, champion line. 446-6141.

PUREBRED Rottweiler puppies for sale, \$300, 6 weeks old, 1 st. shots and dewormed. Call 446-4700 or 371-1628.

ULTRA ADORABLE, happy, healthy, human oriented, indoor kittens. Available free to good homes. 446-7491 after 6 p.m.

361 Wanted to Buy

Wanted To Buy.
16-20 Footite Travel Trailer, self contained, under 3000 lbs. Please call 446-6913.

365 Yard Sale

SATURDAY, July 30 8 a.m. - 12 noon 1404 Exxex on base. Hide-a-bed, skis, fold up work bench, boat, I.O. 120 Merc (1982), some brass items, duck decoys, stainless steel thermos (new), V. W. Baja Bug, extension ladder and more.

369 Heavy Equipment

1980 825 BOBCAT Skidsteer Loader. Perkins diesel engine and all hydraulics, recently serviced and machine is clean and tight. Included are: 1 dirt bucket and set of log forks. \$6,000 or trade on dump truck. 873-4217.

377 Homes for Sale

FREE... Weekly list of properties for sale by owner with addresses, prices, owner's phone #. Call 371-1005, HELP-U-SELL REAL ESTATE.

377 Homes for Sale

FOR SALE BY OWNER, 2 bedroom, 2 bath double wide on 1/4 acre residential/commercial. Block wall, and garage, water system. Enclosed rear porch, natural gas and woodstove. China Lake Acres, just off Inyokern Rd., \$49,500. Call 377-5606 or 446-4335.

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381 Condos for Sale

DEETER Condo, 2 bedroom, 1 1/2 bath, nicely decorated, fireplace, garage, pool. By owner, \$66,500. 446-6228.

385 Mobile Homes For Sale

12 x 56 FLEETWOOD with expansion, 25 foot livingroom, huge front kitchen, redwood porch, covered rear patio, car port, 2 lg. sheds, new roof cooler, fenced yard, extras, \$16,000 or best offer. Call 446-5767, leave message.

425 Apartment for Rent-Furn.

10 x 55 ONE Bedroom, furnished, \$350 a month, close to all shopping. 375-5954.

FURNISHED. Good for singles, \$400, 1 bedroom, utilities paid, no pets, Gala Apts., 124 E. Dolphin. 375-9124.

429 Apartment for Rent-Unfurn.

APARTMENTS FOR RENT, 1 bedroom 520 B. Commercial, \$360/mo; 2 bedroom 532 B. Commercial, \$390/mo. First, last and \$200. security required. Call Larry at 375-3286 or 375-9109.

DUPLEX, 2 bedroom, 2 car garage, fireplace, evap. cooler, \$485 plus deposits. Phone 375-8857 or 375-9447.

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SECDEF restates code of conduct for DOD



The Department of Defense has numerous regulations and memoranda specifying standards of conduct for acquisition personnel and particularly those personnel engaged in the procurement process. Federal law prohibits officers or employees of the government from disclosing confidential information received from contractors. The Federal Acquisition Regulation describes the types of information that should be furnished to potential contractors and the stage of the procurement process when it is appropriate to furnish such information. Department of Defense Directives amplify in some detail the requirement that departmental personnel must not use governmental information for private gain. Periodic memoranda emphasize particular points, such as my memorandum dated Jan. 4, 1982, on the avoidance of *ex parte* audiences to prospective contractors prior to contract award and former Secretary Weinberger's memorandum of July 6, 1987, on avoiding external pressures to depart from proper acquisition procedures.

All our regulations and directives are useless if they are not read, understood and applied with good judgment by our personnel. Recent stories in the media concerning the Department of Defense acquisition procedures make this point clear. It is too early to draw conclusions regarding defects in the acquisition process. It is not too early to conclude that we must increase our efforts to keep departmental personnel aware of our rules and understand what is expected of all personnel in the acquisition process.

I ask that you undertake a program within your respective organizations to ensure that all personnel are familiar with and understand these rules.

Frank C. Carlucci
Secretary of Defense

Pride, enthusiasm bring NOCD honor

Pride in the Navy, enthusiasm for the job, zeal for any assignment and confidence in his abilities brought Sailor of the Quarter honors to AG3 Michael Bradley with the Naval Oceanography Command Detachment (NOCD), China Lake.

Senior Chief Aerographer's Mate G.A. Dille said of Petty Officer Bradley, "Your knowledge of the AG rating, total dedication to duty and willingness to assist in any capacity have made you a valuable member of NOCD, China Lake."

Performing duties as quality control petty officer for the detachment, AG3 Bradley has assisted each weather observer in identifying on-the-job weaknesses and setting up a detailed plan for needed improvements. This effort has led to a 30 per-

cent reduction of observation errors by detachment personnel in the past quarter.

The letter recognizing Petty Officer Bradley for this achievement read in part, "You learned the technical background on all meteorological equipment systems used at this detachment and developed a thorough preventive maintenance program to extend the useful life of the detachment's equipment. This maintenance program received a grade of outstanding during the command administrative inspection of May 1988.

"The superb example you have demonstrated by your performance, appearance and adherence to the spirit of Naval traditions and regulations have earned you the respect of all."

CHAMPUS funded again

Washington (NNS) — Congress has approved funding for reimbursement of CHAMPUS medical claims for the rest of the fiscal year. The temporary delay in payments was caused by exceeding the amount funded to process the claims. The Navy has already provided the Office of CHAMPUS (OCHAMPUS) with sufficient funds to resume claims processing.

People using participating medical providers and hospitals should expect payments normally paid by OCHAMPUS to be paid. Any hardship or inconvenience caused by this funding delay should be alleviated shortly.

For more information, see the health benefits advisor at the Naval Weapons Center's Branch Medical Clinic.

Navy handed LCdr. Casimano first Christmas present in July

By Peggy Shoaf
Editorial Assistant

"For me, Christmas came early. This was a gift for me, coming out here and inheriting such a well-developed religious program which is supported so well by the chaplains, staff and the parishioners," said LCdr. (Chaplain) "Tony" Casimano, the new command chaplain at the Naval Weapons Center (NWC).

Originally from Los Angeles, Father Tony has been a Navy chaplain for nine years. He entered the service as a Roman Catholic priest from the Diocese of Gallup, New Mexico, where he worked among the Navaho Indians.

His first duty station was at Naval Air Facility, El Centro, Calif., where he spent two years. Father Tony was then transferred to Okinawa, Japan,

where he worked with the Marines for a year. In 1983, he was sent to the Naval Air Station in Pensacola, Florida. Starting in 1985, the Navy chaplain again worked with the Marines, this time at the 2nd Marine Division, Jacksonville, North Carolina. Working as a Marine Amphibious Unit (MAU) chaplain, Father Tony was deployed from Camp Lajeune to the (Continued on Page 4)

New GI bill rules outlined

Washington (NNS) — Under the Navy Sea/College Program (NSCP), members receive basic Montgomery GI Bill (MGIB) benefits of up to \$10,800 and an additional benefit (kicker) of \$8,000. NSCP participants who will begin separating from active duty (ACDU) this month should be familiar with the contents of NAVOP 087/88 prior to their release.

Under NAVOP 087/88, service obligations are:

A. Two years ACDU followed by four years in the selected reserve (SELRES) in an individual mobilization augmentee (IMA) or training category "B" status, which requires an annual performance of 14 days ACUTRA (active duty training).

Members may participate as training category "B" drillers in a SELRES unit provided they meet the criteria in COMNAVRESFORINST 1123.1E. Benefit: Receive \$522 per month for 36 months.

B. Two years ACDU and a two-year extension or reenlistment for a minimum of 48 months ACDU. Benefit: \$472 per month for 36 months.

C. At least one month ACDU if discharged early for hardship or service-connected disability. Benefit: \$472 per month for each month served.

D. At least 20 months ACDU if discharged for the convenience of the government. Benefit: \$300 per month for 36 months plus a pro-rated amount of the kicker.

E. Members may extend for a specific reason; for example, extending five months to deploy on a Mediterranean cruise. If the member serves less than 48 months ACDU, however, the four-year SELRES requirement must be met to guarantee kicker benefits. In addition, members who do not satisfy their SELRES obligation or do not complete the required ACDU will have their kicker terminated immediately.

Following release from ACDU, NSCP participants are required to contact their local naval reserve activity and identify themselves as an NSCP participant and request assistance. (Continued on Page 4)



WEATHER WATCH—AG3 Michael Bradley checks the current weather reading as part of his job at the Naval Oceanography Command Detachment, China Lake. Petty Officer Bradley is the detachment Sailor of the Quarter. Photo by PHAN Gary Brady

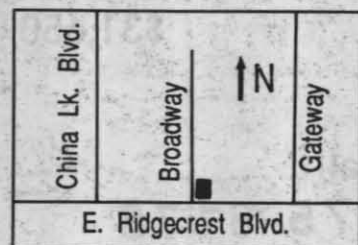
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CSUN schedules fall classes. . .

(Continued from Page 19)

laboratory on Fridays, 1730-2030, at Cerro Coso Community College. By Donald Quist, NWC ext. 6275.

Prerequisite: EE365: Electronics I or equivalent and EE360A: Linear Systems I or equivalent or consent of instructor.

Corequisite: EE360B: Linear Systems II.

Scope: A continuation of EE365. Frequency dependence of single-state and cascaded amplifiers, power amplifiers, feedback amplifiers and stability, oscillators. Modulation and detection.

Text: *Microelectronics*. Miltman and Garbel. McGraw-Hill, second edition.

Note: This is a senior elective for the CSUN bachelor's degree program in electrical engineering.

IE405: Engineering Decision/Risk Analysis (3 units)

September 6-December 20, Tuesdays, 1530-1830, Training Center. By Professor Mel Lipson, CSUN, (818) 885-2166.

Prerequisite: IE304: Engineering Economy or equivalent desired but not required.

Scope: An introduction to design and project evaluation methods in the context of industrial manufacturing engineering problem situations. Provides an organizing framework for dealing with unstructured problems and for planning the synthesis, analysis and evaluation of solutions. Includes introductory material on engineering decision/risk analysis, reliability and maintainability as design parameters and technological forecasting.

Text: Students will purchase formal notes from the instructor.

Note: This is a core course for the CSUN master's degree program in systems engineering.

AM316: Engineering Dynamics (3 units)

September 7-December 14; Mondays, Wednesdays, and Fridays; 1130-1230; Training Center. By Dr. Frank Wu, NWC ext. 3632.

Prerequisite: Math 6d: Calculus IV or course in differential equations and Physics Ia: Mechanics or consent of instructor.

Scope: Vector calculus and kinematics, force, equations of motion, energy and momentum principles applied to the dynamic behavior of rigid and deformable solids.

Text: *Engineering Mechanics, Vol. II*. Meriam. John Wiley, second edition.

Note: This is a required core course for the bachelor's degree program in electrical engineering.

ME490: Fluid Dynamics (3 units)

September 8-December 22, Thursdays, 1610-1910, Training Center. By Dr. Gutmark, NWC ext. 1079.

Prerequisite: ME390: Fluid Mechanics or equivalent or consent of instructor.

Scope: Continuation of ME390, with applications to systems of engineering interest. Potential flows, boundary layers, laminar and turbulent flows, lift and drag. One-dimensional compressible flow with area change, normal shock waves, oblique shock waves and Prandtl-Meyer expansions. Experimental, numerical and analytical solution techniques are explored.

Text: *Gas Dynamics, Vol. I*. Zucrow. Wiley, 1976.

ME509: Numerical Methods in Engineering Systems (3 units)

September 7-December 19, Mondays and Wednesdays, 1610-1740, Training Center. By Mr. Dave Singh, NWC ext. 3534.

Prerequisite: Knowledge of FOR-

TRAN programming or consent of instructor.

Scope: Application of numerical techniques to selected problems in engineering. Coverage includes both classical and recently developed methods. Emphasis will be phenomena described by ordinary and partial differential equations with applications to structural analysis, heat transfer and fluid mechanics and electromagnetic fields and waves.

Text: *Applied Numerical Analysis*. Gerald and Wheatley. Addison Wesley, third edition.

Note: This is a core course for the CSUN master's degree programs in mechanical engineering and applied mechanics.

Math 477: Theory of Probability (5 quarter units)

September 8-November 17, Thursdays, 1610-2110, Training Center. By Professor John Dirkse, CSB.

Prerequisite: Math 6c: Calculus III or equivalent or consent of instructor.

Scope: Axiomatic probability, random variables, density and distribution functions, common probability distributions, conditional probability, moment generating functions, combinatorial theory, central limit theorem.

Text: To be announced.

Note: This is a core course for all BSCS options and a required foundation course for the MSCS degree program. This is a required foundation course for the Cal-State Northridge master's degree program in systems engineering.

General Comments

1. Textbooks are available at bookstores locally.

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

For more information, contact Cecil Webb at NWC ext. 2648.

Classes offered for CSUB's bachelor's, master's programs

The following classes are being offered this fall for the Cal-State Bakersfield bachelor's degree in business and master's degree in administration programs. To enroll in these classes, submit an on-Center Training Request (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held at the first class meeting. Deadline for enrolling is ten calendar days before the starting date of the class.

ADM 572: SCIENCE, TECHNOLOGY AND ADMINISTRATION (5 quarter units)

September 20 through November 22; Tuesdays, 4:10 to 9:10 p.m.; Training Center. By George Linsteadt, NWC ext. 1074, and Bob Glen, NWC ext. 2049, NWC.

Scope: This course will explore the role of science and technology in federal, state, and local public agencies and in the private sector. Emphasis will be placed on the institutions and processes involved with the history and application of science and technology to national affairs. Topics include congressional and executive roles in science and technology; policy development; organizing, governing, and regulating science; innovation and federal research and development; and international and domestic technology transfer and utilization.

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

MGT 300: MANAGEMENT AND ORGANIZATIONAL BEHAVIOR (5 quarter units)

September 22 through December 2; Thursdays, 4:10 to 9:10 p.m.; Training Center. By: Cdr. Hermann, NWC ext. 2911, NWC.

Scope: An introduction to organizational and management concepts and theories with special attention to the functions of management, individual and group behavior, perception, motivation, influence processes, interpersonal communication and international issues.

Note: This is a core course for the bachelor's degree program in business administration. This is a required foundation course for the master's degree program in administration.

POL SCI 308: GOVERNMENT AND POLITICS IN CHINA (5 quarter units)

September 19 through November 28; Mondays, 4:10 to 9:10 p.m.; Training Center. By: Professor Geigle, CSUB.

Scope: An examination of institutions and processes of government in China. Emphasis on the ideas of Marx, Lenin, and Mao; the Chinese political culture; the party; the military; communalization; and the cultural revolution as determinants of contemporary politics and policy change in China.

Note: This course satisfies general education goal IX for CSUB bachelor's degree students. This course satisfies the non-Western studies requirement for CSUC bachelor's degree students.

MIS 440: DECISION SUPPORT SYSTEMS (5 quarter units)

September 20 through November 22; Tuesdays, 4:10 to 9:10 p.m.; Training Center. By: Professor McNamara, CSUB, (805) 833-2340 or (805) 833-2157.

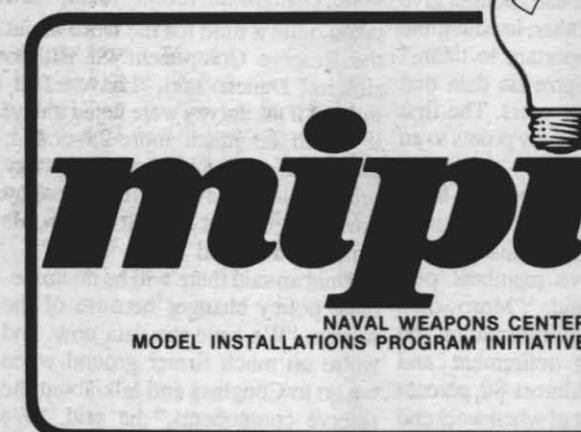
Prerequisite: MGT 301: Quantitative Methods and Information Systems or equivalent or consent of instructor.

Scope: Comparative analysis of electronic data processing, management information systems (MIS) and decision support systems (DSS). Discussion of the process of building a DSS. Topics include DSS requirements, interactive design for DSS, system analysis and design for DSS, artificial intelligence and DSS, expert systems and knowledge engineering and DSS. The student will design a framework for DSS and will analyze a commercial DSS product to suit this framework. Text: Students will purchase copies of the text from the instructor.

Textbooks are available at bookstores locally.

Job-related courses, other than those listed above or those offered under contract with Cal-State Chico or Cal-State Northridge, must be approved on an off-Center Training Request (DD Form 1556) before registration if NWC is expected to pay for the training. For more information about any of these programs or classes, contact Cecil Webb at NWC ext. 2648.

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Broken mains

(Continued from Page 1)

Because the worst of the line has been bypassed, public works officials hope there will be no more unexpected breaks.

There will be planned water cutoffs for a few hours at a time to do further repairs. These will be announced in advance and will be kept as short as possible.

McKinney and Crom said no one was more unhappy to see this series of problems than maintenance crews. Some crews have worked

nearly around the clock the past two weekends. The work hasn't been easy, standing in water, in the hot sun, or working in the dark with limited lighting.

Crom added the Center has been fortunate all the major incidents have come on the weekend rather than forcing the shutdown of most Center operations during the work week. The cost has been in the thousands of dollars, but it could have been much worse.

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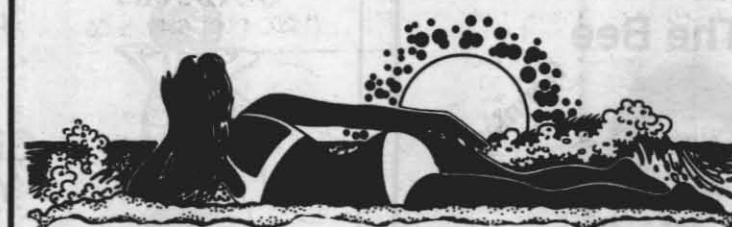
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Reserves remain strong family

A recently released reserve components family survey had no real surprises but proved that reserve duty is really a "family affair," said Stephen M. Duncan, assistant secretary of defense for reserve affairs.

The survey, conducted in 1986, covered the families of men and women serving in the selected reserves. More than 32,000 spouses filled out the survey.

"The vast majority of spouses are satisfied or very satisfied with participation in the reserves," said Duncan. "There are specific areas that cause problems, but generally the perception of reserve duty are very favorable."

A greater proportion of reserve members are married, and they have been married longer than their active duty counterparts. A total of 61 percent of all reservists are married (79 percent for officers, 57 percent for enlisted).

"The length of time that couples are married indicates to us that the spouses are very involved with the decision of the reservist to join the reserves and stay in," Duncan said. "With reservists, we're dealing with people who can walk away from the job any time they want. If the spouses are not satisfied with reserve duty, it

will make an impression on the reservist and may mean the difference between keeping a fully qualified and motivated person in the reserves."

Specific areas that spouses view as "serious or somewhat of a problem" include absences for weekend drill and annual training; extra time spent on guard or reserve activities; time

rated. "Yes, they are viewed as problems — but by a minority," Duncan said. "Only 13 percent of enlisted spouses said that absence for drill weekends was a problem. The highest-rated problem was drills on special days, and even then, only a bit more than a third said it was a problem. This indicates that, for the most

The opportunity to serve the country (75 percent) leads the list as the reason for participation, followed by military pay and benefits (67 percent) and retirement benefits (63 percent). The acquaintances and friendships that grow out of reserve duty were also rated important (56 percent). "Reserve pay does make a major contribution, and we can't forget that," Duncan said. "But these spouses give the impression that other, less tangible things are more important to them."

The survey will provide data that will be examined for years. The first reading, however, already points to an area that needs work — keeping reserve families informed. "A large majority of spouses want to know more about the reserves and the type of work the reserve members perform," Duncan said. "More than three-quarters want information on benefits, including retirement and medical benefits. Almost 80 percent want an advance list of when weekend drills and annual training are scheduled."

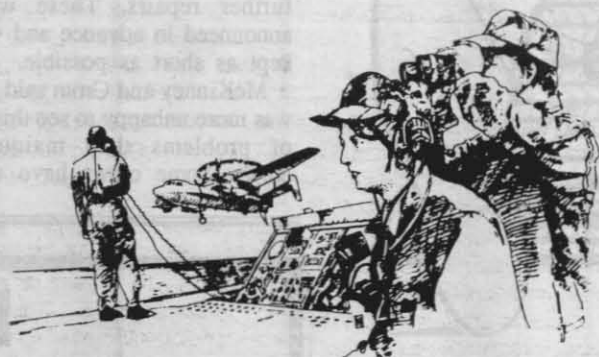
Spouses would also like to know more about the mobilization roles of the units, and 85 percent say they need information on the family's role during a mobilization. "We have to look at ways to keep these families

informed," Duncan said. "We must find ways to get the news out to the families. Perhaps we will look to direct mail or explore some other way of getting families into the reserve picture."

Other areas not rated highly by the spouses were reserve educational opportunities and commissary privileges — although these have undergone changes in recent years. "It's taken quite a time for the word about the Reserve Component GI Bill to sink in," Duncan said. "I have a feeling that if the survey were taken today, it would be much more favorable. That's the same with the commissary privileges. We have a different policy now than we did in 1986 when this survey was filled out."

Duncan said there will be no immediate policy changes because of the survey. "We have the data now, and we're on much firmer ground when we go to Congress and talk about the reserve components," he said. "We will no longer be saying, 'We think we'll be able to point to the date,'" he said. "We will not rush into decisions. We will examine the data, and if we find areas where a policy change will help, then we will propose one."

By Jim Garamone
American Forces Information Service



away from civilian jobs, children and spouses due to guard or reserve work; drills on special days (Mother's Day, Easter, etc.); unscheduled guard and reserve activities and scheduling problems. Generally, the spouses of officers saw these areas as more of a problem than spouses of enlisted members.

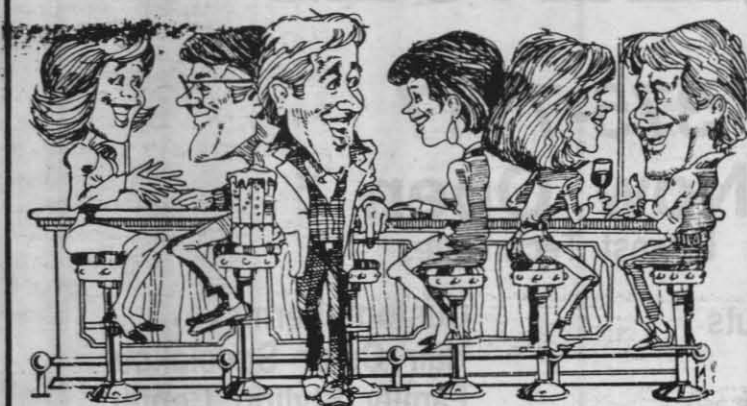
But the problem areas can be over-

part, spouses understand the type of work that is being done and why it is necessary."

More than 65 percent of the spouses of reservists work. On the survey, they said the reason was because it was financially necessary. "Yet when we looked at what was attractive to them in the reserves, we found the financial aspect did not lead the list."

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If you require help with relocating, ask for assistance at the time you file your Intent to Vacate Notice with the

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Cal-State Chico...

(Continued from Page 18)

Abstract Data Types and Pascal. Stubbs and Webre. Brooks/Cole, 1985.

Note: This is a core course for all BSCS options and a required foundation course for the MSCS degree program.

CSCI 231: COMPUTER GRAPHICS (3 units)

August 30 - December 15; Tuesdays and Thursdays, 11 a.m. to 12:15 p.m.; Training Center. By Professor Duncan, CSUC.

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

Scope: This course covers a wide variety of topics of current interest in Computer Graphics. Starting with simple graphics building blocks such as line drawing and window-to-viewpoint mapping, the topics proceed to advanced 3-D curve fitting and shading techniques.

Textbook: *Computer Graphics.* Heam and Baker. Prentice-Hall, 1986 edition.

CSCI 397-1: SEMINAR IN ADVANCED TOPICS: SECURITY AND PRIVACY (3 units)

August 30 - December 15; Tuesdays and Thursdays, 2 to 3:15 p.m.; Training Center. By Professor Pinkert, CSUC.

Scope: The class will begin with a historical discussion of cryptography. Emphasis then shifts to security in computer systems, particularly identification, authorization, operating system security, data flow and business scene. Security considerations, especially for multi-organization transactions, will be covered as a specialized extension of some of the more general previous discussions. Computer systems are similar to other assets and businesses in certain aspects of security, and these will be the next topic. Included are such areas as physical security, site selection, insurance for hardware and data liability insurance.

Textbook: None. Instructor will provide weekly handout.

CSCI 225: CONTINUOUS SYSTEMS SIMULATION LANGUAGES AND APPLICATIONS (3 units)

September 24-25, October 29-30, December 3-4; Saturdays and Sundays, 8 a.m. to 4 p.m.; Training Center. By CSUC staff.

Prerequisite: Math 6b; Analytic Geometry and Calculus II or equivalent and CS 16: Pascal or CS 23: Fortran Programming Language or equivalent or consent of instructor.

Scope: A survey of continuous systems simulation languages and applications. An in-depth study of some popular languages (such as CSSL-IV, CSMP II, ISIM or MIM-IC) for the simulation and analysis of dynamic systems of physical, biological, social, engineering and environmental sciences.

Text: TBA

CSCI 376: THEORY OF INFOR-

MATION RETRIEVAL (3 units)

October 15-16, November 19-20, December 17-18; Saturdays and Sundays, 8 a.m. to 4 p.m.; Training Center. By CSUC staff.

Prerequisite: CSCI 172; Systems Architecture or equivalent or consent of instructor.

Scope: Theory and analysis of arithmetic and non-arithmetic systems, processing techniques and functions as applied to syntax analysis, automatic word assignment and phrases to semantic categories, word identification and strings, logical structure and semantics of thesaurus and query systems.

Text: TBA

MATH 477: THEORY OF PROBABILITY (5 quarter units)

September 8 to November 17; Thursdays, 4:10 to 9:10 p.m.; Training Center. By Professor John Dirkse, CSB.

Prerequisite: Math 6c: Calculus III or equivalent or consent of instructor.

Scope: Axiomatic probability, random variables, density and distribution functions, common probability distributions, conditional probability, moment generating functions, combinatorial theory, central limit theorem.

Text: TBA

Note: This is a core course for all BSCS options and a required foundation course for the MSCS degree program. This is a required foundation course for the Cal-State Northridge master's degree program in Systems Engineering.

Textbooks are available at bookstores locally.

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

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CSUN schedules fall classes

The following classes are being offered this fall for the Cal-State University Northridge (CSUN) Engineering Program (bachelor's and master's degrees). To enroll in these classes, submit an on-Center Training Request (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held at the first class meeting. The deadline for enrolling is 10 calendar days before the starting date of the class.

EE505: Random Processes (3 units)

September 6-December 20, Tuesdays and Thursdays, 1610-1740, Training Center. By Dr. Wade Swinford, NWC ext. 2951.

Prerequisite: EE467: Probabilistic Systems in Electrical Engineering — Design and Analysis or equivalent or consent of instructor.

Scope: Random systems, stationary and ergodic processes, spectral representation. Prediction, filtering and estimation of digital and continuous system. Applications to control and communication.

Text: *Probability, Random Variables and Stochastic Processes.* Papoulis. McGraw-Hill, 1984, second edition.

Note: This is a core course in the CSUN master's degree program in electrical engineering.

EE569B: Optimal Control (3 units)

September 7-December 19, Mondays and Wednesdays, 1610-1740, Training Center. By Dr. William Arnold III, NWC ext. 3493.

Prerequisite: EE569C: State Variables in Automatic Control or equivalent or consent of instructor.

Scope: Applications of variational methods, Pontryagin's Maximum Principle, and dynamic programming to problems of optimal control theory; iterative numerical techniques for finding optimal trajectories.

Text: *Optimal Control Theory.* Donald Kirk. Prentice-Hall, 1970.

EE360B: Linear Systems II (3 units)

September 12-December 19,

Mondays, 1605-1905, Training center. By Professor Ed Hriber, CSUN, (818) 885-2180.

Prerequisite: EE360A: Linear Systems I or equivalent or consent of instructor.

Scope: Continuation of EE360A with concentration on discrete system models. Techniques developed include Laplace transform, Fourier analysis, Impulse response, convolution and state variables for discrete linear systems.

Text: *Linear Systems, Time Domain and Transform Analysis.* O'Flynn and Moriarty. Wiley and Sons.

Note: This is a core course for the bachelor's degree program in electrical engineering. This is a required foundation course for the master's degree program in electrical engineering.

EE465A: Electronics II (4 units)

September 6-December 20; lecture on Tuesdays and Thursdays, 1610-1740, at the Training Center;

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Leave recipients. . .

(Continued from Page 17)

illness in November 1987 which exhausted all her sick and annual leave. She underwent cataract extraction with intraocular lens implant in the left eye and then the right eye. Her income is her sole support for all her financial needs, and she has exhausted both her annual and sick leave. She is now back to work and looking to continue with her job.

Thomas A. Boyd, Visual Information Specialist, Code 3414 — has undergone extensive abdominal surgeries. He is presently working a few hours a day, as he can. His leave is exhausted, and he is still under the care of a physician. His condition is unstable at this time. Boyd is hoping his condition will improve soon so that he will be able to return to full-time work.

EMPF vacancies. . .

(Continued from Page 17)

of this position will be responsible for the performance of the following duties:

- conduct independent research efforts under the guidance of the EMPF project manager and department supervisor
- maintain an appropriate engineering journal or log detailing the activities, findings, conclusions, etc. of all efforts
- provide quarterly project status reports and draft final reports to the project manager or supervisor for projects in which the selectee has been assigned as a team member
- recommend to the project manager and department supervisor any appropriate software, test equipment, instrumentation or literature which would aid in analysis and research of chemical systems or processes
- as a project team member, will develop test methods and procedures consistent with the project scope and objectives
- assemble results and conclusions drawn from tests and present to department supervisor
- prepare and present technical papers from EMPF research activities in which the selectee is the principle engineer
- conduct facility-wide tours for EMPF visi-

tors, only as requested by department supervisor

- participate in or conduct government and industry meetings
- perform other duties as assigned.

Basic qualification requirements: In addition to meeting the time-in-grade restrictions, applicants must meet the experience requirement specified in Civil Service Handbook X-118, Series Group 800. Evaluation methods: Basically, applicants will be evaluated on the following job-related criteria on the basis of experience and training, supervisor appraisals and awards received. Job-related ranking elements: Knowledge of chemical engineering principles and practices applicable to full range of engineering, analysis, research and development duties; knowledge of related engineering fields, particularly electrical and electronic circuit theory; ability to communicate orally and in writing.

Note: Attach a statement describing how you meet the knowledge, skill and/or ability required by each ranking element and identify which job, volunteer work, etc., education or training shown on the SF-171 gave you the knowledge, skill and/or ability.

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Registration times set for Cerro Coso College

Cerro Coso Community College has established registration for fall courses on August 8 and 9 for continuing students. Registration for continuing students and new students will be on August 10, 11, 15 and 16. Fall schedules will be available in the Training Center's lobby.

The Naval Weapons Center (NWC) will pay the full tuition for employees enrolled in courses provided under the NWC/Cerro Coso contract. If employees can show courses are job-related or will strengthen their contributions to the Center's mission, their tuition will be paid directly to the college by Code 094.

To apply for Center tuition

support, an applicant must submit a DD Form 1556 (Request, Authorization, Agreement and Certification of Training and Reimbursement) via department channels to Code 094.

Requests for tuition support must be received by close of business August 1 so they may be processed and returned to applicants in time for registration. Those received after that date will be returned and the employee will either have to pay the tuition or wait until another semester to register and resubmit the request for tuition support. Employees who pay tuition will not be reimbursed.

Madrigal to be on-Center August 19

Dr. Orlando Madrigal of Cal-State University Chico will be on-Center Thursday, August 19, 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 Cyndi Jones, NWC ext. 2648.

Chico plans fall classes

The following classes are being offered this fall for the Cal-State Chico Computer Science Program (bachelor's and master's degrees). To enroll in these classes, submit a Training Request and Authorization Form (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held in class at the first class meeting. Deadline for enrolling is ten calendar days before the starting date of the class.

CSCI 151: ALGORITHMS AND DATA STRUCTURES (3 units)

August 30 - December 15; Tuesdays and Thursdays, 8 to 9:15 a.m.; Training Center. By Professor Luker, CSUC.

Prerequisite: CS 16: Pascal or equivalent or consent of instructor. Scope: The representation, application and processing of a wide range of data structures, including lists, trees and graphs. The analysis of algorithms. Recursive and iterative techniques for problem solving. Program style and program verification.

Text: Data Structures and (Continued on Page 19)

External degrees

Naval Weapons Center (NWC) employees have the opportunity to further their educations through on-Center academic programs, with NWC providing tuition support.

Four different California universities offer several external degree programs in cooperation with the Human Resources Development Division of the Personnel Department.

Through Cal State University Northridge, the Center has external degree programs leading to a master's degree in electrical or mechanical engineering and applied mechanics. The school also offers a bachelor's degree in electrical engineering. This

September, a new master's program, leading to a degree in systems engineering, will be added.

From Cal State Chico, employees can earn bachelor's and master's degrees in computer science.

The external degree program from Cal State Bakersfield provides the opportunity to earn a bachelor's degree in business administration and a master's in administration.

Cerro Coso Community College provides the lower division courses needed for the various university programs.

Informational material and academic counseling on these programs are available at the Training Center. For more information on the on-Center academic programs, call Cecil Webb at NWC ext. 2648.

Individuals taking classes at Cerro Coso as part of one of these bachelor's degree programs are encouraged to obtain counseling.

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Drivers let kids face risk alone

(Continued from Page 2)

deranged person walking or driving by could deliberately and maliciously harm the child by various means.

2. During the sizzling summer temperatures, the inside of a car can get extremely hot, much hotter than the temperature outside. If the windows are closed, the vehicle can turn into a hot oven. Leaving a child in a hot car for only a short period of time could result in heat exhaustion, stroke and/or death, depending on the child's age, health, hydration level, etc. Newborn babies and infants are especially sensitive to extreme temperatures (hot or cold) and cannot tolerate high temperatures for very long. Of course, as the inside temperature of the car rises, the chance of injury to the child becomes greater.

3. A child who is able to reach the cigarette lighter may burn himself or another child in the car. Furthermore, he or she may burn or catch the car on fire which could endanger the child's life.

4. A curious child might play in the driver's seat and release the brake, causing the vehicle to roll out of control. In turn, the child's life could be endangered. The uncontrolled car might even kill another pedestrian.

5. Another vehicle might crash into the parked car and injure or kill the child. Countless other situations are also possible.

The Los Angeles Times reported on July 14, 1988, that a 16-month-old girl burned to death in her parent's flaming car when she was trapped in her infant seat. The 16-month-old and her two-and-a-half and four-year-old brothers had been left alone in the car by the father for a short while. The older brothers escaped injury. The fire is under investigation.

This past year there have been two cases in California where infant twins

were left in closed cars for several hours, resulting in their deaths due to heat exposure. The parents responsible for these acts were prosecuted by the law.

Hundreds of children are missing across the nation, most of them never to be found alive. They have usually been stolen, kidnapped or have run away from home. Children are easily taken from cars. And while playing alone, children have been abducted from their very own front yards, neighborhood sidewalks, school areas, homes and anywhere they are left unattended.

In general, any child (or person of any age) who cannot get in and out of a motor vehicle by himself or herself should not be left alone. The decision to leave a child in a car also depends on the maturity and good judgment of that child. He or she must know that it is dangerous to play with the car controls (brakes, lighter, etc.) and must not attempt to do so. But remember, even though a child is mature for his or her age and gets in and out of the car by himself or herself, he or she still might be easily abducted by a stranger. When in doubt, don't leave the child alone.

Although we have very hot summers, we are lucky to be living in the relatively safe community of Ridgecrest. Don't, however, take it for granted. So, please, if you are concerned for the safety of your young child, never leave him or her in a car or anywhere else alone. Protect your children and have a good summer!

For more information, call your local law enforcement agency: Ridgecrest Police Department — 375-5044, China Lake Police Department — 939-3323, or the Kern County Sheriff's Department — 375-9761.

By Betty Miller
Wellness Program Coordinator



TOP AWARD—Dr. Ed Royce, NWC's Technology Base Director, receives the Meritorious Civilian Service Award from Capt. John Burt, Center Commander.

Technology base director honored

(Continued from Page 1)

coordinator of the Center's technology base efforts, you handled the assignment with consummate skill, effectively structuring the overall technology base work in ways that offer greatest promise for the future."

After accepting his award, Royce commented, "I think of myself as a short-timer with only 12 years here at NWC, so I deeply appreciate the

kind words and presentation." Royce reflected on "the rewards you get from working here," the innovative, high-quality scientists and managers employed at NWC and their total commitment to the mission of NWC. He noted he had worked with other dedicated employees and managers who were also mightily committed, but what makes the difference at China Lake is that "these things go together in one place at one time."

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When water dries up . . .

Be prepared for water shortage

Recent experience with the break in a main water pipe supplying the Naval Weapons Center has provided many residents with unanticipated experience in disaster preparedness. The following tips provide practical information which can help China Lakers be better prepared to deal with interruptions in the water service:

•A minimum of a quart of water per person of potable water is necessary; more is required in high temperature areas such as China Lake. Canned juices, soft drinks and bottled water are good sources.

•Most buildings will have water in the plumbing, standpipes, tanks, etc. When it has been determined that the local water system is no longer functioning, the main inlet valve should

be turned off to prevent water from draining out of the system. The faucet at the highest point in the system should be opened to let air in, then water may be drawn off at lower points in the system.

•Potability should be determined in advance for all the water in tanks, pools and systems. Such water may contain chemicals and should only be used for sanitary purposes. Buckets, dippers, bailers or siphons may be required.

•Additional water may be stored in barrels or drums lined with plastic bags. While water should not be stored for long periods of time, plans should be made to fill such barrels early in an emergency. Safe longer-term storage (up to a year) can be

accomplished by adding a few drops of chlorine bleach to the water in a container. Do not store water in empty anti-freeze or bleach containers.

•Washing machines and evaporative coolers are a good source of water to use for flushing toilets. Portable boondock type toilets that use plastic bags are another option.

•Water may also be purified by bringing it to a boil for several minutes (8 minutes is usually adequate). Commercially produced water purification tablets and filters can be effective methods of removing

organic contaminants.

•During some water outages, water pressure decreases gradually; this provides an opportunity to fill

bathrooms, washing machines, etc. with water for later use to meet non-potable needs.

The following is a means of disinfecting water for drinking and cooking purposes.

•Water may be disinfected with a 5.25 percent sodium hypochlorite solution (household chlorine bleach). Do not use solutions with any active ingredients other than hypochlorite. Use the following proportions:

Clear Water	
1 quart	2 drops
1 gallon	8 drops
5 gallons	1/2 teaspoons
Cloudy Water	
1 quart	4 drops
1 gallon	16 drops

5 gallons----- 1 teaspoon
Mix water and hypochlorite thoroughly. Let stand for 30 minutes before using. A slight chlorine odor should be detectable in the water; if not, repeat the dosage and let stand an additional 15 minutes before using.

For the water outages on-Center, potable water has been made available at the Commissioned Officer's Mess, Enlisted Galley and in portable tanks in the housing area. Portable toilet facilities have also been placed in various locations. Although advance preparation and Center response during a water outage does not eliminate the inconveniences, they can make it easier to deal with the emergency.

Primary entrance corridor on-Center gets a facelift

Changes to landscaping in front of the Naval Weapons Center's (NWC) Headquarters Building are part of NWC's program to enhance the appearance of the primary entrance corridor starting at the main gate and ending at the Headquarters Building.

It has been necessary to remove many trees, shrubs and plants to make way for low-maintenance landscaping materials. Many trees and shrubs were diseased or over-mature


and decaying. These trees were potential hazards during high winds, since limbs could fall or an entire tree could be blown down.

The landscaping plan calls for more natural, low-maintenance materials to be used. With the repetitive use of materials and an upgrading of existing natural areas within and adjacent to the entrance corridor, a unified look along the corridor is

expected.

Replacement of the old landscaping, where necessary, and improvements to existing materials are expected to provide a more natural and scenic environment at NWC.

This project will be done in phases, allowing some areas to remain barren until plant materials become available from growers and the work force can do the planting and maintenance.



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Retail sale August 5

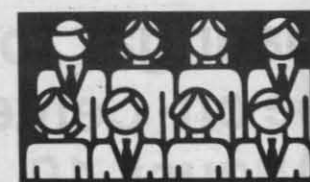
Retail sales of used surplus arresting gear tape and steel cable will be held by the Defense Reutilization and Marketing Office at the Naval Weapons Center beginning Friday, August 5, from 8 to 11 a.m.

The arresting gear tape is heavy duty, reinforced nylon belting 8" wide and in various lengths. This material would be ideal for use as corals, garden edging, dock bumpers, concrete free forms, etc. The selling price is .05 per foot with a minimum order of 100 feet (\$5).

The steel cable comes in various lengths and sizes, including 1 1/16" and 1 3/8" diameter and lengths of up to 200 feet. The selling price is \$10 per length, regardless of size.

All sales will be cash and sold "as is, where is." The purchaser must remove articles at the time of sale. Sales will be conducted each Friday, excluding holidays, until supplies are exhausted.

For further details, contact Phyllis at Building 1073, Code 97, or telephone NWC ext. 2502/2538.



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 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 (e.g., work experience, annual performance assessment rating and narrative, education, training, performance assessment and awards). Spouses of military sponsors apply at Room 231, same address as shown below.

HOW TO APPLY: Submit the following: a current application, SF-171 or other Personnel Department pre-approved form; and 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). A supplemental narrative which relates your qualifications to each knowledge, skill or ability (KSA's) 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 1234/2, 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 an original signature in ink on the last page completes the application. Civilian Spousal Program Eligibles must submit a copy of their sponsor's PCS orders with each application.

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

NO. 14-011, Computer Scientist, DP-1550-1, Code 141C. This position is located in the Scientific and Engineering Facility (SEF) Operations Office (Code 141C). The office is responsible for supporting hardware and software on a number of the VAX/VMS and UNIX computers located in SEF and in codes throughout NWC. The incumbent is responsible for system administration on System V and BSD UNIX computers supported by Code 141C. Some after-hours work and off-center training is required. **Job Relevant Criteria:** Knowledge of BSD and System V UNIX syntax, utilities and architecture; Experience in system administration functions in a UNIX (SYSTEM V, BSD, ULTRIX) environment; ability to use the Network File System and TCP/IP; ability to program in a higher level language such as Fortran, Pascal, or C. Promotion potential to DP-3.

NO. 39-010, Supervisory Interdisciplinary General Engineer/Electronics Engineer/Physicist, DP-801/855/1310-3/4, Code 3952. This position is the head of the RF Guidance Analysis Branch. The branch is responsible for technology programs in microwave and millimeter wave transmitters; guidance analysis, target discrimination systems; operating a computer based signal analysis facility and supporting major Navy and joint service missile programs. The incumbent's primary duties and responsibilities will be predominantly technical in nature. The incumbent will provide overall direction, coordination and management of branch activities. A background in RF systems is desired. **Job Relevant Criteria:** Knowledge of RF systems and subsystems; ability to communicate in writing, ability to deal effectively with NWC management and sponsors; understanding of NWC personnel policies and procedures; willingness to support NWC EEO policies and goals. Incumbent may be required to serve one year probationary period. Promotion potential to DP-4.

Non-appropriated fund vacancies

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 not yet presently employed in a Non-Appropriated Fund Instrumentality (NAFI) position, nor must they be employed at the Naval Weapons Center. The SF-171 should clearly be marked "NAFI" on the top and should have the appropriate announcement number listed in Block 1 on the form. Completed applications can be delivered to Room 100 or to Room 120 in the Personnel Building or can be mailed to: Naval Weapons Center, Personnel Dept. (Code 096), ATTN: NAFI Service Team, China Lake, CA 93555.

No. 22-8824, Child Development Program Assistant PS-1702-4, Regular Full-Time, Code 2223. Incumbent is responsible for planning and implementing a developmental program for Kindergarten Children during before and after school care. Incumbent is responsible for planning activities that will enhance the child's development in all areas of their development including social, emotional, intellectual, and physical. **Job Relevant Criteria:** must have experience and/or education in Early Childhood Education/Child Development.

Personnel News & Notes

Reassignment opportunities

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applicants must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

No. 12-014, Computer Scientist, DP-1550-1/2/3, Code 1232. This position is located in the Weapons Planning Group, Simulations Branch. This position is configuration control manager. The incumbent is responsible for maintaining software development methodologies and standards; ensuring branch compliance and education for methodologies and standards; ensuring reliability and validity of software testing and overseeing the maintenance and operations of the configuration control library. The incumbent must be familiar with structured software development techniques and must have the ability to read and understand Fortran coding. Experience with configuration control and/or quality assurance is desired. Must be able to obtain and maintain a Secret Clearance. Promotion potential to DP-3 but not guaranteed. To apply send current SF-171 to John Morrow, Code 1201, extension 3896.

Secretarial opportunities

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

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

No. 62-023, Secretary (Typing), DG-318-1, Code 6214. This is a full time temporary not to exceed one year position. Incumbent provides secretarial support to the Warhead Test Branch, Ordnance Test and Evaluation Division, Range Department.

Jobs available at EMPF

The following are Merit Staffing Program vacancy announcements issued by the Consolidated Civilian Personnel Office, Philadelphia Bldg. 75, Naval Base, Philadelphia, PA 19112-5073.

No. 406-88, Chemical Engineer, GS-893-11/12, \$31,383/\$33,979 PA. Naval Industrial Resources Support Activity Detachment, EMPF, Ridgecrest, CA. Note: This position may be filled at the GS-11 or GS-12 level. Please indicate the grade(s) for which you are applying. A selectee brought in at the GS-11 level may be promoted to the full performance level. Closing date: August 4, 1988.

Duties: This position is located in the Manufacturing Engineering Department, Naval Industrial Resources Support Activity Detachment, Ridgecrest, CA. The selectee of this position will be responsible for the performance of the following duties:

- conduct independent research efforts as an EMPF project manager and under the guidance of the department supervisor
- maintain an appropriate engineering journal or log detailing the activities, findings, conclusions, etc. of all efforts
- provide quarterly project status reports and final reports to the Manufacturing Engineering Department supervisor for projects in which the selectee has been designated principally responsible
- recommend appropriate software, test equipment, instrumentation or literature which would aid in the analysis and research of chemical systems or processes
- develop test methods and procedures consistent with the project scope and objectives
- assemble results and conclusions drawn from tests to be presented to the department supervisor
- analyze facility and equipment requirements for environmental protection concerns, assure compliance with state and local EPA regulations, submit and track related permit applications to either construct or operate EMPF regulated systems
- ensure that all scheduled maintenance for cognizant plant equipment and protection devices is performed on schedule and in accordance with appropriate maintenance specifications
- prepare and present technical papers for EMPF research activities
- conduct facility-wide tours for EMPF visitors
- participate in or conduct government and industry meetings
- perform other duties as assigned.
- job-related ranking elements: Knowledge

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 help a leave recipient may donate annual leave to the employee. NAVWPNCEN 12630 provides specific information regarding how to donate annual leave.

Glen L. Linden, Facilities Management Specialist, Code 2634 — was hospitalized in June and has exhausted his leave (both sick and annual) as a result of the condition which led to his hospitalization. He is the primary source of income for his family. The loss of income is a severe hardship for his spouse and family. Mr. Linden is still off work and, at this time, it is unknown when he will return. Mrs. Linden is presently in the hospital also, which creates an even harder situation for Mr. Linden.

Michelle A. Marcus, Engineering Technician, Code 3941 — is presently in remission from acute leukemia. She has now undergone her second chemotherapy and is presently still in the hospital recuperating. Her annual and sick leave have been exhausted. Marcus was working as she was able to, up to four hours a day.

Trudy A. Martinez, Purchasing Agent, Code 25224 — had a severe

Jobs available at EMPF

of chemical engineering principles and practices applicable to full range of engineering, analysis, research and development duties; knowledge of related engineering fields, particularly electrical and electronic circuit theory; ability to communicate orally and in writing. Note: Attach a statement describing how you meet the knowledge, skill and/or ability required by each ranking element and identify which job, volunteer work, etc., education or training shown on the SF-171 gave you the knowledge, skill and/or ability.

No. 419-88, Chemical Engineer, GS-893-5/7/9/11, \$19,654/\$24,342/\$29,199/\$31,383 PA. Naval Industrial Resources Support Activity Detachment, EMPF, Ridgecrest, CA. Note: This position may be filled at the GS-05, GS-07, GS-09 or GS-11 level. Please indicate the grade(s) for which you are applying. A selectee brought in at the GS-05, GS-07 or GS-09 level may be promoted through intervening grades to the full performance level. Closing date: August 5, 1988.

Duties: This position is located in the Manufacturing Engineering Department, Naval Industrial Resources Support Activity Detachment, Ridgecrest, CA. The selectee of this position will be responsible for the performance of the following duties:

- conduct independent research efforts as an EMPF project manager and under the guidance of the department supervisor
- maintain an appropriate engineering journal or log detailing the activities, findings, conclusions, etc. of all efforts
- provide quarterly project status reports and final reports to the Manufacturing Engineering Department supervisor for projects in which the selectee has been designated principally responsible
- recommend appropriate software, test equipment, instrumentation or literature which would aid in the analysis and research of chemical systems or processes
- develop test methods and procedures consistent with the project scope and objectives
- assemble results and conclusions drawn from tests to be presented to the department supervisor
- analyze facility and equipment requirements for environmental protection concerns, assure compliance with state and local EPA regulations, submit and track related permit applications to either construct or operate EMPF regulated systems
- ensure that all scheduled maintenance for cognizant plant equipment and protection devices is performed on schedule and in accordance with appropriate maintenance specifications
- prepare and present technical papers for EMPF research activities
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- participate in or conduct government and industry meetings
- perform other duties as assigned.
- job-related ranking elements: Knowledge



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| 4) 1980 Chevy Camaro, minimum bid \$2100 | 8) 1986 Mercury Cougar, minimum bid \$9400 |
| | 9) 1979 Cadillac DeVille, minimum bid \$1000 |

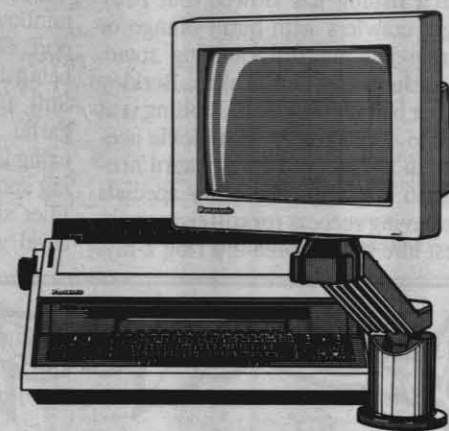
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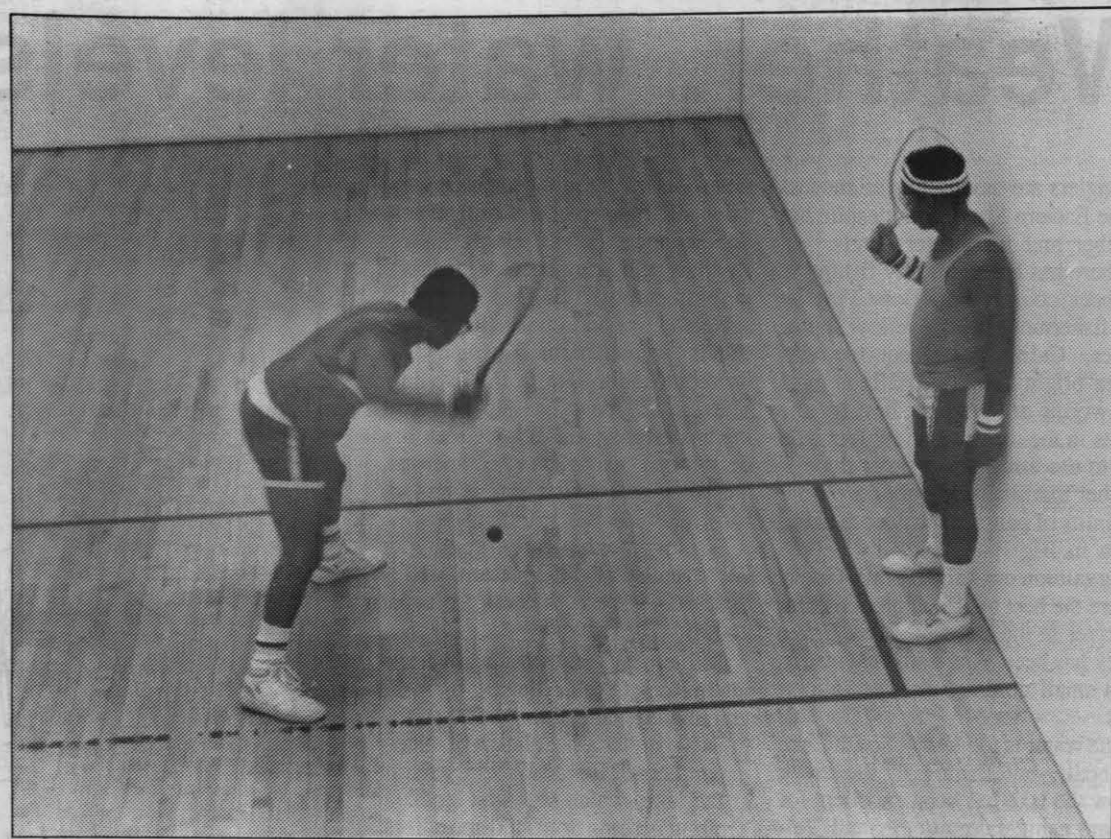
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PLAY BEGINS — Earlier this week saw the start of the Intramural Racquetball competition. Forty-four teams will battle it out until the beginning of October. The event is sponsored by the Sports Branch of the Morale, Welfare and Recreation Department. Photo by PHAN Cary Brady

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Racquetball play begins

Play began for the Naval Weapons Center's Intramural Racquetball teams earlier this week. Sponsored by the Sports Branch of the Morale, Welfare and Recreation Department, the round-robin-style competition is expected to last until the beginning of October.

Due to more players than expected, competition in the "Men's Singles" event will be held on Monday, Tuesday, Wednesday and Thursday evenings from 6 to 9 p.m.. This event will be divided into four divisions with the top four finishers in each division entering into a single elimination playoff.

"Women's Singles" and "Men's Doubles" events will be held on Tuesday and Thursday evenings from 6 to 9 p.m.

There are a total of six teams for the "Women's Singles" event, five teams for the "Men's Doubles" event, and 33 teams for the "Men's Singles" event.

Anyone wishing to know more about what sporting events are offered and what the eligibility requirements are should call the Sports Branch at NWC ext. 2334.

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Industrial hygiene evaluation at NWC

During August, September and October, the industrial hygienists of Code 2324 will hold the annual

industrial hygiene evaluation of the Naval Weapons Center's buildings and work spaces.

This evaluation is performed in accordance with OPNAVINST 5100.23B to document changes in work operations that took place during the past year and to estimate manpower and resource requirements for Code 2324 for the new fiscal year.

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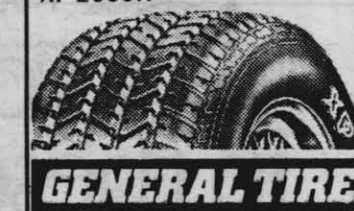


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P205-70HR14	76.88	79.88
P215-70HR15	80.88	N/A
P225-70HR15	82.88	85.88
P235-70HR15	84.88	87.88
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Ground fault circuit interrupters

While Ground Fault Circuit Interrupters (GFCIs) must be installed in all new construction as required by the 1987 edition of the National Electrical Code, most existing structures on-center may not be in compliance. The code requires GFCIs be installed in place of standard electrical outlets in the bathrooms, within six feet of a kitchen sink, garages, wet locations and within 15 feet of any pool. The Housing Office (Code 2605) is currently having an architectural and engineering study performed to determine what is needed in the way of GFCI protection in government housing. For private homes, most electrical contractors can perform the installation for a nominal charge.

A GFCI is an electrical device

installed in a structure's electrical wiring to protect people from electrical shock. GFCIs come in several different forms, but the most common type is as a standard wall outlet with two buttons on it. One button is a test switch, and the other is a reset switch.

Fuses and circuit breakers are designed primarily to protect a structure from electrical overloads that could result in a fire or damage to its wiring. While they do protect the occupants of a building from fire, an electrical short too small to trip the circuit breaker can still be large enough to electrocute a person.

The most common fuses or circuit breakers are designed to trip at 15 or 20 amperes, which is generally sufficient to avoid a fire. Unfortunately,

one-tenth of an amp of normal household current is sufficient to cause cardiac arrest and death. To avoid this hazard, the GFCI was created. A GFCI senses the amount of current passing through its wires; and, if five-thousandths of an amp or more of current returns to the service box by any other route than the one intended (for instance, passing through one's body to the ground and back to the service box), then the GFCI will break the connection and protect the person.

It will probably be some time before installation of GFCIs actually begin on-center. In the meantime, whether you live on-center or off, here are a few tips to keep in mind to avoid an electrical shock:

- Use caution with electrical appliances in kitchens and bathrooms. A recent study of children electrocuted while bathing found that in over 60 percent of the cases, a hairdryer fell into the child's bathwater. It would be just as easy for something to fall into the kitchen or bathroom sink. Unplug

appliances when not in use. If you want to listen to music while relaxing in the tub, use only a battery operated radio that is NOT plugged into an electrical outlet.

- Make sure all electrical tools or appliances are in proper working order. If you get a tingle from touching an electrical tool or appliance, take it out of service immediately and have it repaired by a qualified electrician.

More than likely, the reason you only got a tingle was that you weren't sufficiently grounded. The next time you or someone else touches this piece of equipment, a tingle, or anything else, may not be felt . . . forever.

- Unfortunately, water and electricity do mix. Whenever you are touching any electrical equipment, avoid contact with household plumbing or any wet locations.

- When using electrical appliances outside, such as lawn mowers, hedge trimmers, weed eaters, etc., don't provide an easy electrical path back to the ground. Wear shoes and avoid standing in wet or damp locations. Also, it's a good idea to avoid running over the cord when using your electric mower.

By The Safety Program Office

Household workers' wages

People who hire others to work around the house on a regular basis should be sure to report their earnings for Social Security purposes. Failure to do so may result in penalties sometime in the future.

A household worker is anyone who is paid to work around the home, such as a maid, cook, cleaning person, gardener, handyman or babysitter. A person hired to work around a building in which the employee does not live — an apartment house rented out, for example — is not considered a household worker.

A household worker's wages count for Social Security purposes only if an employer pays the worker \$50 or more in cash within a calendar quarter. Employers are required to either deduct Social Security taxes from wages paid to the employee and pay the employer's matching share of the

Social Security tax or pay both shares themselves.

Within a month after the quarter ends, employers must send the taxes and a report of wages paid to the Internal Revenue Service (IRS); IRS Form 942 (Employer's Quarterly Tax Return for Household Employees) should be used for this purpose.

The employer must also give the worker a W-2, a wage and tax statement, by January 31 after the year in which the wages were paid. Copy A of the form should be sent to the Social Security Administration.

Although some employers may not report a household worker's wages at the request of the worker, it should be noted that the employer, not the employee, is held liable for reporting the wages. The nonpayment of Social Security taxes for household workers may be detected when a household worker retires and applies for Social

Security benefits. If the worker reports that he or she worked for a certain employer and there is no such information in Social Security records, Social Security will ask the employer for information. If the employer cannot be found and the employee has no evidence of earnings, that income might not be used to establish eligibility or the amount of benefits.

If the employer is located, however,

and it is determined that Social Security taxes were not paid on the household worker's wages, the employer is legally responsible for paying not only the employer's share of the taxes, but the worker's as well.

Employers are urged to call the nearest Social Security office for detailed information on the proper reporting of household workers' wages.

Weather, water levels affect fishing

Anglers are having lots of success in the Eastern Sierra area despite hot weather and low water levels.

There has been great fly fishing in the back country near Lone Pine by fly fishermen using yellow humphries, California mosquitos and Sierra bright dots. Red salmon eggs and worms are working best for the plants in the creeks. For anglers who like to use lures, small super-dupers, panther martins or phoebes are best.

Limits of pan-sized trout are being taken in Big Pine Creek by people using salmon eggs and worms. Crickets are the best bet for anglers fishing the river in the Big Pine area. Baker Creek has been slow with best results from small gold spinners or salmon eggs.

The water is too low at South Lake for boats, but fishing in the creek below the lake has been excellent for anglers using salmon eggs and Velveeta cheese. Dave Davis and worm combinations are bringing in limits at

Lake Sabrina. Trolling has been good using six to seven colors of lead core line with needlefish. Using almost anything will bring success still fishing at Inlet. Fly fishing has been good at North Lake and Intake II with best results by fly fishermen using a California mosquito late in the evening. The water in the river is up, and fishing has improved. Bishop Creek has been good using panther martins, mepps spinners, garden worms or baby crawlers.

Fishing in either early morning or late evening at the Pleasant Valley Reservoir is best. Success isn't that good for fly fishing.

Salmon eggs and worms are working in Rock Creek. The best fly is the green body mosquito and the best lures are either a needlefish or super-duper. Lots of limits are being caught at the lake, which was just stocked. Trolling is being done at three colors.

Limits are coming in at Convict Lake. Trolling is being done at six to



seven colors with silver needlefish or bikini needlefish with a marshmallow. Shore fishing is best either in the early mornings or late evenings. Olive Matuka or grey drake are the best flies, and worms or marshmallows are the best baits.

Trolling at Crowley Lake is best at three to five colors using flashers with night crawlers. Two-and-a-half to four-pound browns are being taken.

The north end of the lake and the rocks at South Landing are having great results for shore fishermen using night crawlers with small marshmallows or Velveeta cheese. Perch fishing has slowed, but baby night crawlers with burnt orange or purple jigs are still catching some.

At June and Gull Lakes, Berkley power bait is doing best. Trolling is at five to seven colors with nickle needlefish at June and frog pattern needlefish at Gull. Lake Mary specials are having success for still fishermen. Best lure for this area is a frog z-ray.

For bait fishing at Twin Lake, marshmallows are catching the fish. For anglers wanting to use lures, rooster tails are best. Early morning fishermen should use size 28 midges, brown May flies or blue damselflies. For Lakes Mary, George and Mamie, Lake Mary specials and small mosquitos are catching the fish. Baby night crawlers and salmon eggs seem to work on all the lakes.

At Bridgeport, the reservoir is very slow and the water too hot. Though the East Walker River is still slow, three- to five-pounders are also being caught at the Nevada Line. Fishing has been good for both Kokanee and rainbows at Twin Lake near Bridgeport. Planters up to two pounds are being caught from the shore or boats. Still fishermen should use yellow garlic marshmallows and anglers using lures should throw out wobbling spoons, hot shots and crocodiles. Flies should be zug-bugs, mosquito, royal wolf and grey hackel yellows.

Bike safety

Bicycle riders of all ages met last Wednesday at the Naval Weapons Center's (NWC) Youth Center for a bike safety program. The two-hour program was sponsored by the Kern County Sheriff's Department, T.J. Frisbee Bicycles and NWC's Morale, Welfare and Recreation Department.

Deputy Louie Allen, a member of the Indian Wells Valley Search and Rescue Team and a reserve sheriff's deputy, made the presentation. Topics covered included safety rules, vehicle laws, bike maintenance, repairs, type of equipment and mountain bicycling survival.

Law passed, safety course is required

Nevada's new law requiring non-resident hunters to show proof of having passed a state-approved hunter safety course has California deer hunters flocking to hunter education courses here so they can legally hunt in Nevada.

Although current California regulation stipulates licenses can be

issued to hunters with a prior-year license or who have a certificate from a state-approved safety class, the state's records frequently don't go back far enough to prove they have had the kind of class required in Nevada, thus the rush by even veteran nimrods to get current training certification.

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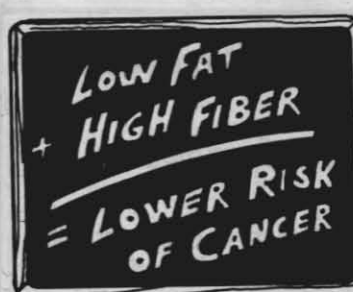


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TNT, undefeated at finish of intramural softball competition

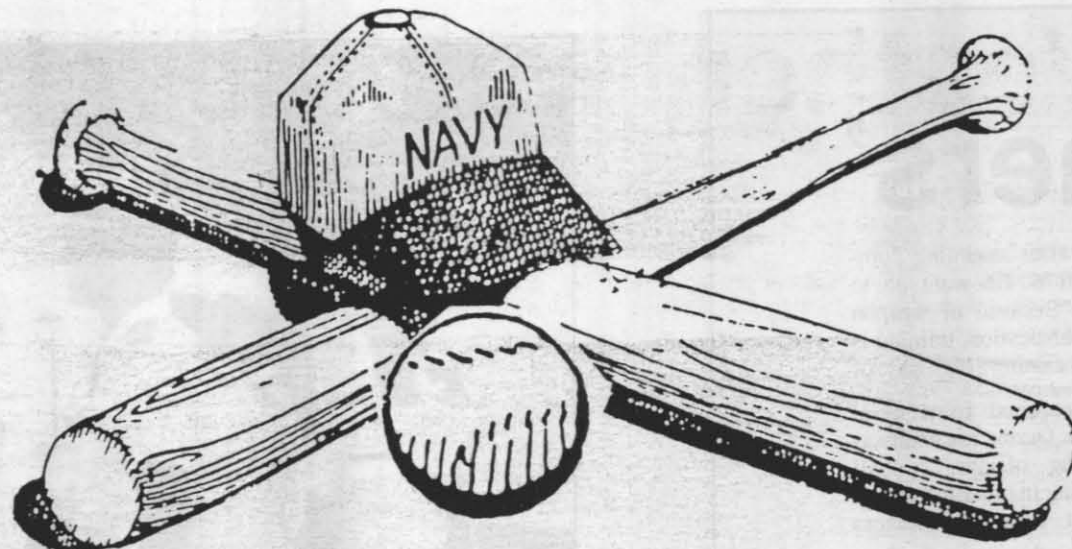
With an impressive standing of 16 wins and no losses, TNT emerged as the Intramural Softball champion as play ended last week at the Naval Weapons Center (NWC). VX-5 came in a close second with 14 wins and only one loss.

ATC took third place by winning eight and losing five. They were closely followed by T.D.C. with seven wins and eight losses. With six wins and six losses,

NWC Dreamteam came in fifth, closely followed by NWC Ordinance, carrying six wins and eight losses.

Dottie's Devil Dogs chalked up four wins and lost four, and Chief's (IWVCP) knocked out four wins and ten losses.

The O's managed to win three games but lost ten, and the Comedy of Errors brought up the rear with 16 losses.



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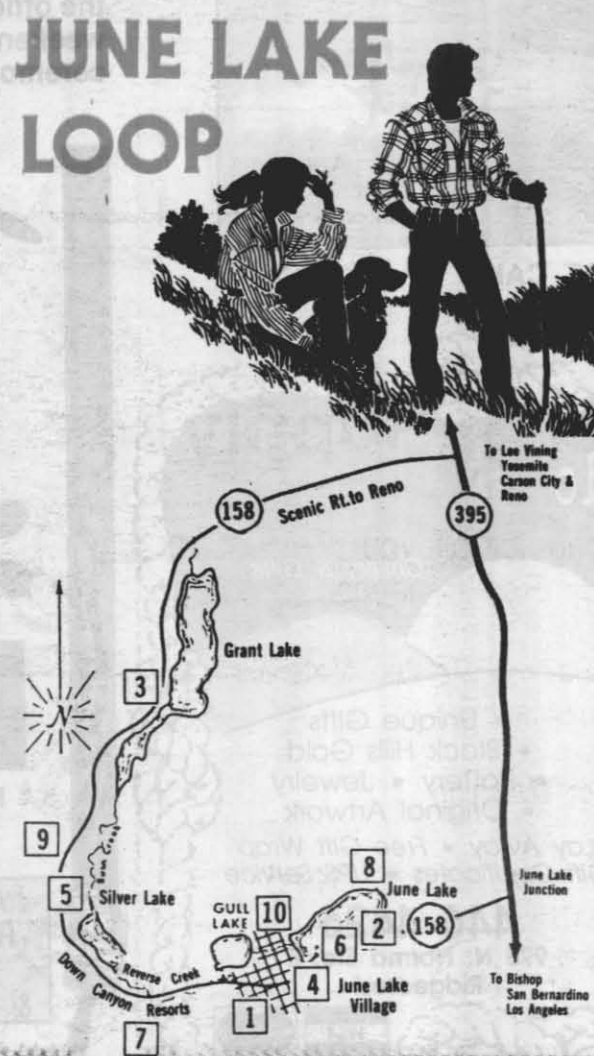
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Don't borrow credit trouble

WASHINGTON (NES). . . Credit can be a valuable tool for making the most of your money but only if you use it wisely. Careless use of credit can ultimately result in bankruptcy and loss of credit privileges.

How do you know if you're using too much credit for your family's financial health? The answer varies from one household to the next, but some signs to look for are:

- Using credit to buy less expensive items or to pay for day-to-day needs.
- Taking 60 or 90 days to pay bills that should be paid in 30 days.
- Making only the minimum monthly payment while adding more charges to the bill.

- Paying bills with money you need for something else.

- Going on spending sprees and charging everything if you are upset or depressed.

- Finding it harder to put money into savings.

- Taking out a new loan before the old loan is paid off or taking out a new loan to pay off old debts.

- Paying penalty charges for late payments continually.

- Getting notices of overdue payments.

- Arguing frequently about money with other family members.

- Being threatened with repossession or other legal action for not paying bills.

- Getting a card advance on a credit card to pay other bills.

- Working a second job to make ends meet.

- Not knowing how much you really owe.

If several of these problems sound familiar, you may be headed for serious credit trouble. A credit counselor can help you gain control of your finances but only if you take the initiative.

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OUR FUTURE DEFENSE — The Sea Cadets were out in force (but not in uniform) last weekend to view the change of command for Reserve Unit 0176 on the front lawn of the Headquarters Building. Having recently moved to new barracks, the Sea Cadets spent most of their drill weekend cleaning and straightening up their new quarters, as well as welcoming other young people who are interested in joining the unit. For information on Sea Cadets and when their next drill will be, contact Dan Foster at 372-4764. Photo by Diane Campbell

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Reserve Unit 0176 . . .

'A unit of winners'

(Continued from Page 1)
ing the two officers and Capt. Burt on the platform were RAdm. Clay W. G. Fulcher, USNR-R, and Capt. George T. Lloyd, Commander, Naval Air Reserve, Pt. Magu.

Before reading his orders, Capt. Fagnant reflected on the accomplishments of NWC Reserve Unit 0176 during his 22-month tenure. "We have exceeded the initiatives of the chief of naval reserves, which is that all units are at R-2 (second

level of readiness). We are R-1, the highest readiness, ready to go to war. We started at R-3.

"The Center has realized 8.8 man years of direct labor from our unit this past year, excluding our administrative and formal rate training. We have had an on board increase of 30 people. We started at 55 percent retention, and we are now at 91 percent."

"With pride," Capt. Fagnant then turned over "the best reserve unit in the nation" to Capt. Hunt. "You are a unit of winners,"

Hunt said after assuming command of 0176. He went on to comment, "Because of weapon system sophistication, training is vital in maintaining a high state of

readiness required in a naval reserve unit. During my tenure as commanding officer, I shall stress training in order to achieve the highest state of readiness attainable."

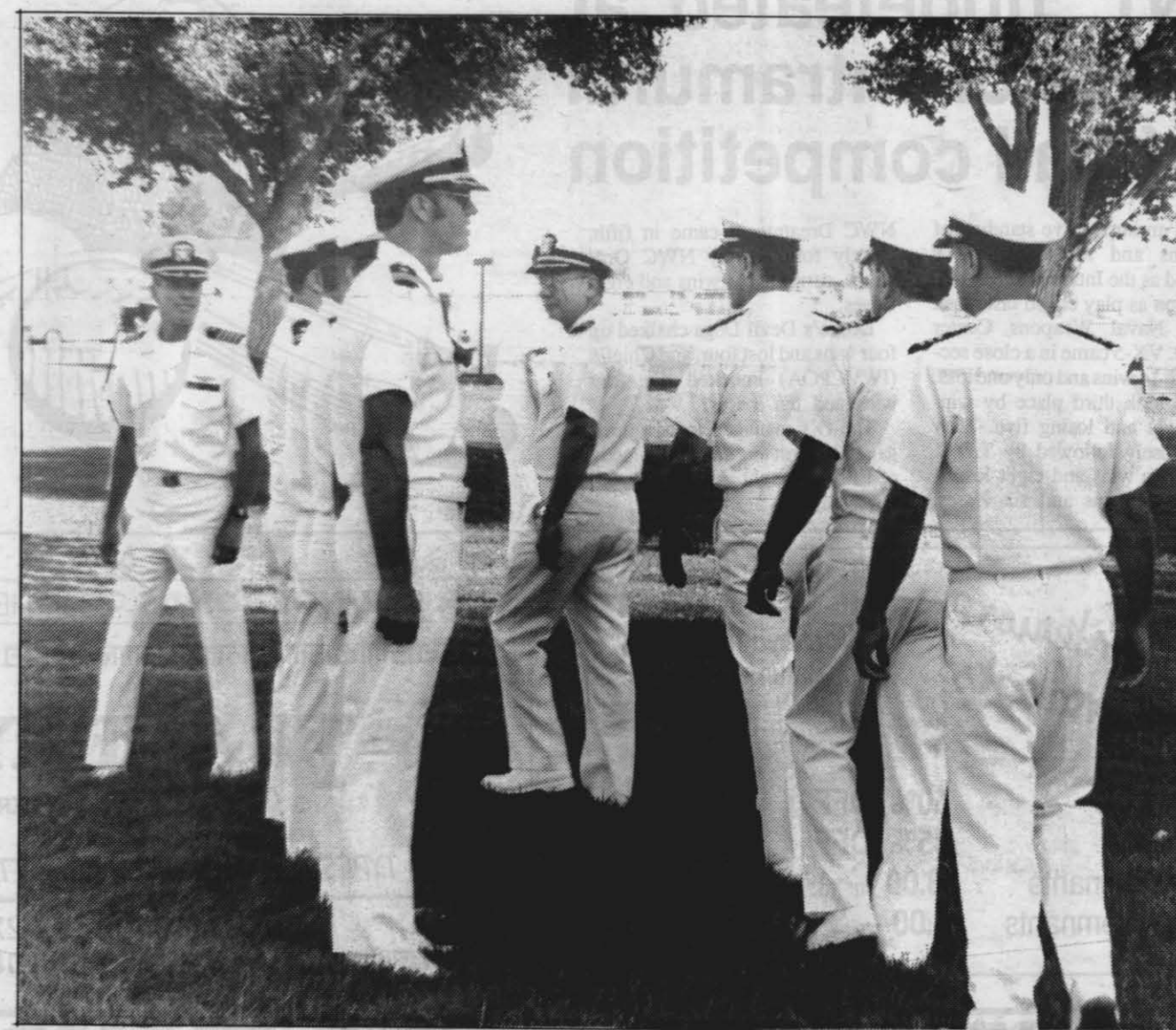
In conclusion, Hunt noted, "We must continue to be winners together!"



ATTENTION—Even the palm tree in the background seems to be standing at attention for the presentation of colors during the change of command ceremony for Reserve Unit 0176.

Photos
by

Diane
Campbell



Capt. Fagnant, outgoing commanding officer, leads the trooping of the line as Capt. Hunt, incoming commanding officer, and the rest of the official party review Reserve Unit 0176 last weekend during the change of command ceremony.

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Capt. Hunt, after assuming command of Reserve Unit 0176, addresses his 'winning' unit.

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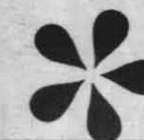
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