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Jan. 10, 1991

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Sun.	53	28	6
Mon.	56	35	8
Tues.	58	30	4

Dr. King celebration at Chapel, Jan. 20

On Sunday, Jan. 20, a commemorative celebration of the Rev. Martin Luther King, Jr.'s, birthday will be held from 3 to 4 p.m. at the Naval Weapons Center's All Faith Chapel.

NIS team offers security training

Are you interested in learning how to provide physical security for yourself and your family in your home, how to survive if you are taken as a peacetime hostage, family safety, terrorist tactics, and what precaution to take while traveling? If so, please attend a 90-minute briefing given by Naval Investigative Service, Mobile Training Team in the Center Theatre on Thursday, Jan. 10. A briefing will be held at 1 p.m. for all NWC employees, military, civilian, tenant activities, and contractors. A separate briefing for employees and family members will be held at 7 p.m. For additional information, contact Jeanette Roy at NWC ext. 2661.

Fleet A-7s depart NAS Lemoore

Four A-7E Corsair IIs left Naval Air Station Lemoore on Dec. 20, ending the A-7E era on the west coast. Departure of the Corsairs, attached to the Warhawks of VA-97, marked the last fleet A-7E operations with Naval Air Forces, Pacific. Two east coast squadrons will continue A-7E flights until they transition to F/A-18 by April.

One of the last Corsairs to depart Lemoore was NL 307. Accepted into the Navy inventory in April, 1974, the aircraft had accumulated 6,200 hours of flight time.

NWC Rocketeer

Naval Weapons Center, China Lake, California 93555-6001

Vol. XLVI, No. 1, January 10, 1991

NWC plays key role in NIMIC birth

Insensitive munitions steering group headed by China Lake's Ron Derr

It's been a long and winding road, but the NATO Inensitive Munitions Information Center (NIMIC) Steering Committee is presently witnessing the fruits of their labor. The committee has worked unremittingly to form an Inensitive Munitions Information Center within the North Atlantic Treaty Organization (NATO). "It is a considerable challenge to create a new entity within the bureaucratic infrastructure of NATO," stated Dr. Ron Derr, head of NWC's Research Department and chairman, NIMIC Steering Committee.

The concept was to create a focal point where exchanging technical information would assist munitions designers in meeting safety and insensitive munitions (IM) requirements. These requirements, evolving in NATO and many individual nations, are aimed at reducing the potential for and effects of unintended activation of munitions caused by their exposure to environmental forces. Such forces can occur either normally in situations such as transport and storage, in accidents such as fire, or combat circumstances through impact from bullets and fragments.

NIMIC will focus on technologies to reduce the potential for such activation and in lessening the effects of such reactions.

How did NIMIC evolve? A workshop was formed in the fall of 1986 by Derr and Ed Daugherty, formerly of the Naval Sea Systems Command Safety Office, to present the NIMIC concept to a cadre group, NATO AC/310, which deals with the safety and suitability for service of munitions. During this workshop, U.S. representatives proposed a pilot facility for NIMIC be established with a projected three year life span, which at the end of that period would transition into a permanent NIMIC at NATO headquarters. Naval Weapons Center's contributions were rounded out by Mike Ripley-Lotee, U.S. representative of the NIMIC Steering Committee, who represented the U.S. position on insensitive munitions requirements at the workshop.

The NATO participants accepted the proposal and a pilot facility was established at John Hopkins University, Applied Physics Laboratory in Maryland. Operating under an

international memorandum of understanding (MoU), representatives from Canada, France, the Netherlands, Norway, the United Kingdom and the United States successfully conducted technical analysis, identified areas for technological achievement and responded to inquiries concerning IM. The pilot facility was managed by Ed Daugherty, who was employed by Applied Ordnance Technology, Arlington, Va.

The pilot facility was a testbed for the NIMIC relational data collection and analysis function. Equipment, hardware, software, standard operating procedures, rules and regulations, and personnel requirements were all being tested and evaluated at the Maryland site. Carolyn Detting of the Ordnance Systems Department at the Naval Weapons Center served as the U.S. representative to the Pilot NIMIC and played a significant role in this planning and development process.

So, now it's happened! "NIMIC became a reality as of October 24, 1990!!" exclaimed Derr, "We're in the midst (Continued on Page 11)



CHEERS -- Ronald Clodt (center), holds his Kit Skaar Award for 1991. Other certificate awardees included Stephen Finnegan, William Ledden, Kenneth Seaman, Robert Ambre, Alice Atwood, Charles Beach, James Miller, Robert Weinhardt, Michael Charlton, Mikal Gray, Milledge Matthews, Robert Rose and Robert Smith.

Clodt wins top firing officer honor

Safe and effective ordnance firing operations on the Naval Weapons Center were recognized at the Eighth Annual Firing Officers Awards Ceremony held Jan. 8. The Kit Skaar Award for Firing Officer of the Year went to Ronald R. Clodt, Ordnance Evaluation Branch, Code 3269, who was also runner-up for last years Firing Officer of the Year Award.

Firing officers are trained, experienced ordnance personnel selected and certified by their department to be responsible for the safe and effective conduct of firing operations in the test areas to which they are assigned.

"The firing officers program is now in its seventeenth year. I am happy to say that during sixteen of those years there has not been a serious accident or fatality during ordnance operations here at the Naval Weapons Center," commented master of ceremony, Roy L. Par-

ris, director of Safety and Security.

Under the leadership of Kit Skaar, the Firing Officers program was established by a committee of experienced Center personnel after a history of severe accidents during fire operations culminating in the death of two people in 1972.

Skaar, the Center's director of safety and security at the time, was instrumental in developing the program and its curriculum to give firing officers the training and authority for safe ordnance operations at the Naval Weapons Center. Skaar, now retired, was unable to attend the presentation ceremony for Clodt held Tuesday afternoon.

The program has gained national recognition, more than 475 personnel from NWC and other DoD activities have attended the program's safety training classes. Half of those attendees became certified (Continued on Page 13)

Commentary

NWC Rocketeer

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The Skipper Sez...

QUESTION

I have a question regarding people attending Cerro Coso classes during the work day. I understand that it is policy that a person can attend classes, furthering their career, if the subjects being taken can be tied in with their present occupation.

I am aware of a situation where a secretary is taking a class unrelated to her present position. I just don't believe this is good use of government hours. It is good that people are interested in pursuing their degree, but unless it directly ties in with their present job, what stops a laborer from taking drafting classes? Or, a clerk typist from getting into electronics classes?

I think there should be some serious thought to the government picking up the tab for jobs that are "nice to have" versus ones that really would impact their jobs.

ANSWER

The Center provides support (tuition and, or excused time) for academic programs within the guidelines established by the Office of Personnel Management and the Department of Navy Office of Civilian

Personnel Management. The federal focus on upward mobility provides the basis for the Center to provide support to employees who pursue an undergraduate study program or take individual classes if the class strengthens the employee's present or potential contribution to the mission of the Center. The key is "potential contribution to the mission of the Center."

The Naval Weapons Center has a long history of encouraging and supporting its employees in achieving their full potential and increasing their contribution to the achievement of the Center's mission. The nature of the support varies from allowing employees to alter their hours to accommodate taking a class that is mission related but only offered during work hours, to providing tuition support for after hours' mission-related courses, to more formal upward mobility programs, as well as the Coop program with Cerro Coso Community College.

In the long run, Center management feels it is in the tax payers' best interest to utilize all Center employees to their maximum capabilities.

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

Pages from the Past



Pages of the Past highlights important happenings at China Lake as recorded in the pages of the Rocketeer 5, 10, 25 and 40 years ago.

Jan. 11, 1985

George Mason received the Technical Director's Award for work on Project Cheap Night from Burrell Hays, NWC Technical Director. . . Cecil Daley became only the second China Laker to ever receive the 35-year Supervisory Safety Award. . . Two A-6Es operated by VX-5 are grounded and two NWC A-6Es are restricted to 3G turns after wing fatigue prompts a Navy-wide restriction order. . . Jay D. Ward receives his 40-year federal service pin from Center Commander Capt. K. A. Dickerson.

Jan. 11, 1980

NWC Range Department is involved in tri-service development of a secure telemetry device for weapons systems. . . Capt. F.E. Whitaker, senior chaplain, announced plans for a Jan. 15 Martin Luther King, Jr. memorial service in the All Faith Chapel. . . Zane Lancaster, the oldest NWC

employee in terms of length of service here, received his 35-year NWC pin from Capt. W. B. Haff, Center Commander

Jan. 8, 1965

LeRoy M. Jackson, head of the Community Relations Office, left the Naval Ordnance Test Station to become a Kern County supervisor. . . NOTS prepared for arrival of a BuWeps management inspection team. . . A fire at the China Lake Soaring Club destroyed 12 gliders. . . VAdm. Paul D. Stroop, former NOTS commander, was at the Pasadena Annex to announce fleet acceptance of the Mark 46-0 torpedo.

Jan. 11, 1950

Cmdr. S.A. Ernst reported to NOTS as the new supply and fiscal officer. . . Officials announced plans to improve the Station Restaurant, the facelift will be the first changes since it was built as a Navy mess hall. . . The China Lake Kennel Club announced plans for obedience trials at the baseball diamond across from the chapel. . . Lt. Milton Hill became the new diving officers at NOTS Pasadena Annex.

China Lake Calendar

Thurs. Jan. 10

. . . Security Briefing, NWC Station Theatre, 1 p.m. NWC ext 2661 for details.

Thurs. Jan. 17

. . . Dr. Ron Derr, addresses Indian Wells Valley Council of Navy League, 6 p.m. at the Carriage Inn; dinner at 7 p.m.

. . . Cal State Opera Theatre ensemble at the NWC Theatre

Sun. Jan. 20

. . . Dr. Martin Luther King Jr. commemorative birthday celebration, NWC's All Faith Chapel at 3 p.m.

Wed. Jan. 23

. . . NRL IRFPA contract reviews, 8:30 & 1 p.m., Room 1000D, Michelson Lab.

. . . Navy-Marine Corps Relief Society Open House, 12 noon, 1811 Lauritsen Road

Coming Events

March 23-24, Blue Angels Air Show, Armitage Field.

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

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Ads up to 20 lines.....	\$10.00
Ads over 20 lines.....	\$10.00 & \$1.00 per line over 20 lines.

CLASSIFICATIONS

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

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

1 PERSONALS

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HEALTH CAREERS OPPORTUNITIES! LEARN MEDICAL SKILLS AND PARTICIPATE IN ON-THE-JOB WORK EXPERIENCE. NO TUITION. BOOK AND EQUIPMENT PROVIDED. CALL 375-1625.

10 HAPPY ADS

YOU HAVE TO GROW OLD BUT YOU DON'T HAVE TO GROW UP. HAPPY BIRTHDAY NORM BROWN!

20 RENTALS

2BR W/PRIVATE BATHS & 1/2BA, attached garage, D/W, W/D, spa, pool, great for sharing. \$600/mo. 257 E. Upjohn. Call 377-5898, leave message.

FEMALE ROOMMATE NEEDED: share 3BR, 2BA house near Heritage. \$275/mo. + 1/2 utils. Would like JP's/other professionals. Call 371-1630 days, 446-1327 eves.

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

ROOMMATE WANTED: New 2BDRM apt. in NW R/C. \$230/mo. + 1/2 utils. Must be professional, music lover, not own TV, non-smoker. Call Bryan at 446-4203, nights.

20 RENTALS

1 BDRM., 1 BATH
Walk in closet/refrigerator
\$395/month
ERA Vaughn Realty
446-6561



SHARE LGE. PVT. HOME! \$325 move in cost includes 1st mo. rent, all utilities, basic phone, cable, and tel. ans. service. You have 2 pvt. furn. rooms plus bath. Incl. use of house facilities and equip. Rosi, 446-6710. Non-smoker & No Pets Please.

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NACO/TT Membership. Great for people who love to camp and travel. All we ask is that you take over payments. 446-6239.

MARY KAY Consultant Kit - Only used a few times. Great for extra demo tubes or mirrors. \$50/OBO. 446-6239.

45 GARAGE SALES

DRIVEWAY SALE! Sat. 8:30 - 1:30. 901 Young Circle.

50 PETS/SUPPLIES

RECYCLE A GREYHOUND, retired racers looking for homes - call 377-5765 for details & application - LEAVE MESSAGE.

55 REAL ESTATE

3/4 ACRE WITH MOBILE HOME set up. Natural gas available, city water. \$18,000; \$6,050 down, bal. at 11% for 3 years. 375-1439.

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Community Events

Community Events

Antique clocks and watches will be the subject of the Maturango Museum's Saturday Adventure on Sat., Jan. 12. The exhibit will be from 10 a.m. to 5 p.m., with a special program taking place at 2 p.m. The exhibit will be prepared by the High Desert Chapter #73 of the National Association of Watch and Clock Collectors.

From Jan. 12 through Feb. 13, Etta Deikmen's colorful and dynamic paintings will be shown in the Maturango Museum's Sylvia Winslow Exhibition Gallery. A preview reception for the expressionist painter will be held tomorrow night, Jan. 11, from 7 to 9 p.m. at the gallery. The event is sponsored by Tom Frisbee, owner of TJ Frisbee.

Chapter 2274 of the American Association of Retired Persons will have their regular monthly meeting on Sun., Jan. 13, at 1 p.m., at the Ridgcrest Senior Center, 125 S. Warner. This will be the installation meeting for the newly elected officers of the Chapter.

On Tues., Jan. 15, the China Lake Sun User's Group will hold their second meeting. Starting at 11 a.m., the group will meet at the Texas Cattle Company to discuss how to customize your environment, how to connect Apple Laserwriters, and what not to do to your UNIX workstation. All UNIX users are invited to attend this meeting. For more information, call Gary Gray at NWC ext. 1907.

Don't miss the Indian Wells Valley Concert Association Franz Lehar's *The Merry Widow* performed by the Cal State Opera Theatre ensemble Thurs., Jan. 17, at the NWC Theatre.

On Sun., Jan. 20, a commemorative celebration of the Rev. Martin Luther King, Jr.'s, birthday will be held from 3 to 4 p.m. at the Naval Weapons Center's All Faith Chapel.

Two 55/Alive Mature Driving classes are set for the latter part of January. One will be held on Jan., 24 and 25, from 10 a.m. to 3 p.m. with an hour for lunch. The second class will be held on Jan., 25 and 26, from 6-10 p.m. Both classes will be held at the Knights of Columbus Hall, 725 W. Ridgcrest Blvd. To enroll, make a check to American Association of Retired Persons and mail to coordinator Bill Davis, 235 Apache Lane, Ridgcrest.

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Rehearsals set for 1991 Messiah

Rehearsals and solo tryouts for the 1991 presentation of the resurrection portion of the "Messiah" begin Sunday, Jan. 13 at 3 p.m. in the sanctuary of the Grace Lutheran Church, 502 N. Norma.

Singers from the Indian Wells Valley and surrounding areas are invited to participate as chorus members and/or soloists in this annual community event. Rehearsals and solo tryouts are scheduled as follows:

- Jan. 13, Chorus Rehearsal, 3-5 p.m.
- Jan. 27, Solo Try-out, 3-5 p.m.
- Feb. 10, Chorus Rehearsal, 3-5 p.m.
- Mar. 3, Chorus Rehearsal, 3-5 p.m.

•Mar. 10, Soloists and Chorus Rehearsal, 3-5 p.m.

•Mar. 17, Sunday Afternoon Performance, 3:30-5:30 p.m.

•Mar. 18, Monday Evening Performance, 6:30-8:30 p.m.

Actual performances begin at 4 p.m. and 7 p.m. respectively. Singers must furnish their own music. All solos are open to anyone wishing to tryout for them. Selections are based on ability, capability, need and program structure. Soloists must be prepared to audition for each number they wish to perform. For more information call Bess McDowell at 375-1540 after 5 p.m. or on weekends.



Whiskey Flat Days scheduled

This year will be the 36th annual celebration of *Whiskey Flat Days* in Kernville, Feb. 15-18, when the people of this mountain community turn back the clock to relive the gold rush days of the 1880s when Kernville was known as "Whiskey Flat."

Some of the activities will include a grand parade on Feb. 16, starting at 11 a.m.; a Wild West Rodeo on Saturday and Sunday at 2 p.m.; a melodrama, guided mine tours, a greased pig catching contest, whiskerino contest, frog races, epitaph contest, puppet show, food and craft booths, a carnival and other events designed to offer something for everyone.

For further information, call (619) 376-2629.



IWVCA sets opera

Don't miss Cal State Opera Theater in *The Merry Widow* on Thur., Jan. 17. Sponsored by the Indian Wells Valley Concert Association, this fully staged production, with orchestra, of Franz Lehar's most beloved operetta (sung in English) will take place in the NWC Theatre starting at 7:30 p.m. This work promises a fun-filled and nostalgic evening. For more information, call 375-5600.

Commodore Business Machines, Inc. Federal Systems Group

invites you to attend a Technology Briefing to include

UNIX System V Release 4

(Commodore Federal Systems Group will exhibit the A3000UX operating UNIX System V Release 4, featuring X-Windows Release 3 and Open Look Level 1)

and

Multimedia Technology

(FSG will exhibit the Amiga in video, multimedia, graphics, and image processing)

Date: January 17, 1991

Time: 1:00 p.m.

Where: Stran Steel 1, Building 1043 Upstairs Conf Room

Space is limited; please call Wayne Reinke, Code 3921, 939-2111 to make a reservation or for further information.

Military News

Military support gains new executive officer

Meet an officer who seeks ultimate challenges in his life, and a man who more than anything values working to support his troops at any cost. "It's the people who make the Navy what it is, and I'm going to do everything I possibly can to help them," stated Lt. Kirk Addicott, executive officer, Military and Support Operations Department and Military Administrative officer. Although the young lieutenant took over responsibilities from LCdr. Leon Miller in December, he has been stationed at the Naval Weapons Center

new position with great anticipation. As the executive officer for enlisted personnel and Military Administrative officer, Lt. Addicott

orders, to disciplinary executive officer inquiries, to being the traffic judge for the base!" His many duties also include guiding and

Code 61; Navy security manager duties for the base; maintaining the administrative structure and production level of Military

out there willing to stand by their people the way the Navy does."

Also an A-6 Bombardier Navigator, the new executive officer still finds his way to the cockpit at least three times a week and doesn't find it the least bit difficult to juggle all three jobs. Lt. Addicott was originally stationed at fleet squadron VA-165, Whidbey Island, Va during his first four years of duty. He completed a tour of duty as an A-6 flight instructor at VA-42, Virginia Beach, Va prior to his arrival at the Naval Weapons Center.

The new executive officer would like to encourage his troops to take advantage of all the opportunities available in the Navy. "I want them aware of the educational benefits and officer programs open to them. I hope to see the troops bettering their careers by studying hard for advancement cycles. They are the ones who make the Navy what it is, and I aspire to do my best to help them at all costs!"

The troops are the ones who make the Navy what it is, and I aspire to do my best to help them at all costs!"

Admin; addressing Naval manpower issues; and handling disciplinary matters.

"I'm extremely impressed with the motivation and professionalism demonstrated by the military personnel at the Naval Weapons Center," commented Addicott, "Those that work directly for me certainly make my job easier!"

The executive officer looks at the Navy as a unique kind of family who continually look after their own. "The Navy provides special programs to assist their people whether the problems are financial, alcohol or drug related," said the XO, "there's not too many commercial corporations



Lt. Kirk Addicott

"I'm extremely impressed with the motivation and professionalism demonstrated by the military personnel at NWC"

since May, 1990.

Originally the NATOPS Officer in Code 61, he looks at his

cott wears several different hats. "I handle everything from travel

directing the majority of enlisted personnel who mainly fall under

Changes in CHAMPUS for 1991

Several important changes in the CHAMPUS program will occur in 1991. Details on how these changes will be put into effect aren't available yet, but here's a quick look at some of what's contained in the Defense Authorization Act, signed into law by President George Bush on Nov. 5:

- The annual outpatient deductible will increase for most CHAMPUS-eligible families. For all CHAMPUS-eligible persons except for members of active-duty families in which the military sponsor is pay grade E-4 or below, the outpatient deductible for each fiscal year will increase to \$150 for an individual, and \$300 for the whole family. Deductibles for E-4 and below remains \$50 and \$100 respectively.

- The annual limits on inpatient mental health care will change. In the past, inpatient mental health care was limited to 60 days per calendar year, beginning Feb. 15, 1991, the limits will be as follows:

- 30 days in any year for patients aged 19 or older
- 45 days in any year for patients under age 19
- 150 days in any year for inpatient mental health services provided by residential treatment centers (waivers may still be requested).

- Routine mammograms and pap smears may now be obtained as diagnostic or preventative health care measures. This expanded benefit is effective for care received on or after Nov. 5, 1990.

- Certified marriage and family therapists are

now authorized as independent providers of care under CHAMPUS when they agree to accept the CHAMPUS allowable charge as the full fee for their services. This change is also effective Nov. 5, 1990.

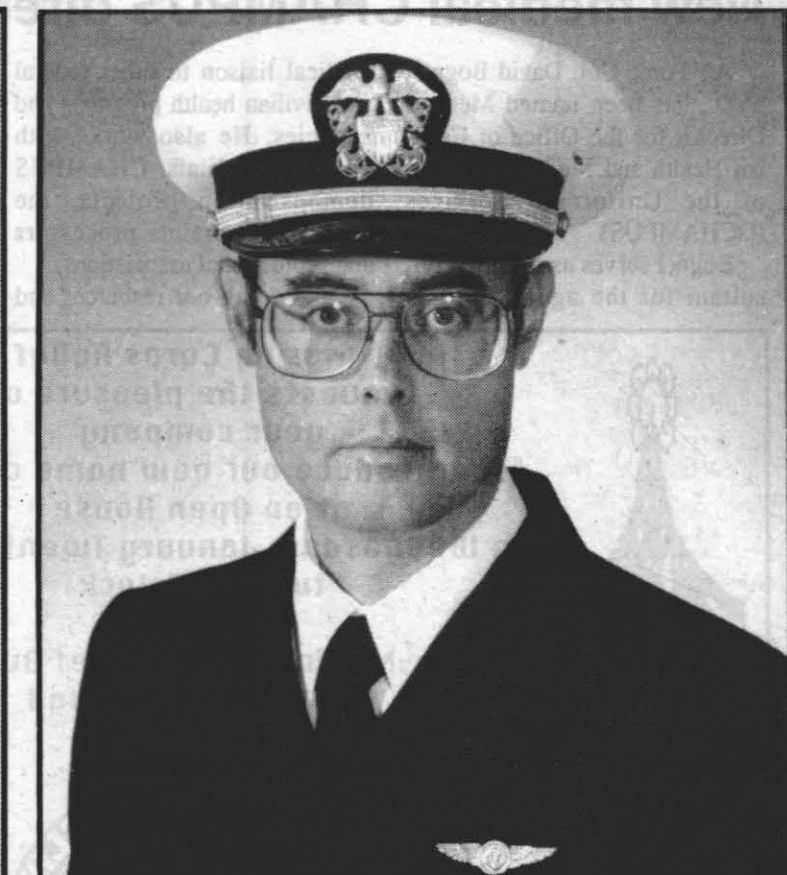
- "Transitional health care" is offered to some service families. Service members involuntarily separated from active duty during a 5 year period beginning Oct. 1 1990 (and their dependents), will be eligible for CHAMPUS benefits and benefits at military medical facilities for certain periods of time beginning with the date of separation, as follows:

- 60 days of eligibility if involuntarily separated with less than 6 years of active service;
- 120 days of eligibility if involuntarily separated with 6 or more years of active service.

- Automated nonavailability statements are coming. Effective Apr. 1, 1991, if you live near a military hospital you won't need to send in a "nonavailability statement." The process will be automated.

- DRG Rates: The change will happen soon. The Mid-October announcement of an increase in the CHAMPUS diagnosis-related group (DRG) daily rate for civilian hospital admissions was premature. The rate did not change to the new rate of \$262 until Jan. 1991.

The upcoming changes in the CHAMPUS program listed here will be discussed in more detail in future articles.



FORMER VAMPIRE TAKES COMMAND - Former Air Test and Evaluation Squadron Five's (VX-5) Maintenance and Material Control Officer, LCdr. Joseph Brundage Jr., relieved LCdr. Dwight LaMont as Officer in Charge, Medium Attack Weapons Detachment in November 1990.

Chapel Call



"Happy New Year!"

Any day, we are told, is a good day for beginning anew. Indeed, each morning can provide opportunities for us to put aside past failings and sins and begin again in a life of virtue.

On New Year's Day, however, we stand on a kind of "threshold," a momentary "pause in time," and can look, perhaps with regret, over our shoulders at the events of the last year and feel for one final instance the pain that comes with the realization of goals unattained, promises never kept, intentions never brought forth into action, and dreams that shattered tragically into nothingness.

Likewise, we can take one final look with pleasure at all of the accomplishments and blessings of the past 365 days and easily see that, despite all, the year was not a total loss -- that somehow, something called "growth and maturity," be they spiritual or otherwise, shaped us into who and what we are at this moment of time. We marvel at our ability to have "bounced back" after trials and seemingly hopeless mishaps that entered our lives unexpectedly.

Perhaps, in the long run, it was not such a bad year after all, if we take the time to consider the positive aspects of our lives over against the negative influences that jarred our peace of mind. "If" we take time to do this, that is...

"Happy New Year!" we exclaim at each other, and I dare say that this is a reasonable wish. Our shout is much more of a defiant challenge to the mystery-filled months and days ahead, our command that the coming year be

filled with only goodness in abundance only joys without number, only prosperity without limit, only happiness beyond telling. We often fail, however, to understand that happiness can only be measured and recognized in contrast to sadness or disappointment, and we secretly utter "humbbug" to the ills of the past with no thanks to their contribution to our ever-increasing wisdom and ability to cope with newer, more challenging difficulties.

Perhaps, what we should really wish each other, as another number is added to last year's familiar figure, is (as the saying goes) the "serenity to accept the things that cannot be changed, the ability to change the things that should be altered, and the wisdom to distinguish the difference." Being able to do this, albeit with some measure of difficulty, makes for a very "happy" new year: it is much more realistic as a wish and is precisely what I pray each of us will find as we step anxiously through the doorway into the uncertainties of the New Year.

Lcdr. S.A. Casimano, CHC, USN

SIGN ON THE DOTTED LINE -- Lt. Jeri Busch, officer in charge, Personnel Support Activity Detachment (PSD), guides DK3 Brad Cone to the proper signature line. The disbursing clerk cheerfully signs reenlistment papers adding another four years of service.

Photo by PH3 Cary Brady



New medical CHAMPUS director selected

Air Force Col. David Bogner, M.D., has been named Medical Director for the Office of Civilian Health and Medical Program of the Uniformed Services (OCHAMPUS).

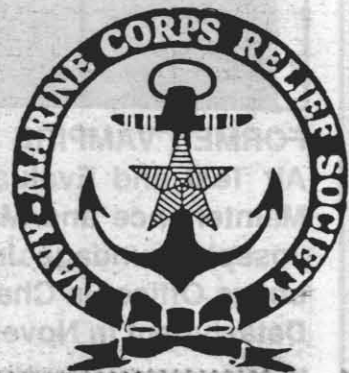
Bogner serves as medical consultant for the agency and as

medical liaison to other federal and civilian health programs and agencies. He also works with military hospitals, CHAMPUS demonstration projects, the CHAMPUS claims processors and professional associations.

"Balancing our resources and

our patients' medical needs is a challenge in the current financial climate. I'm looking forward to assisting in shaping policies and programs that provide essential medical services in the most fiscally responsible manner," Bogner said.

The Navy-Marine Corps Relief Society requests the pleasure of your company "To introduce our new name change" at an Open House on Wednesday, January Twenty Three, twelve o'clock at the Navy-Marine Corps Relief Building 1811 Lauritsen Road



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Divine Services

Protestant	
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Sunday Worship Service, Main Chapel	10:30 a.m.
Sunday School, 1008-10 Blandly & 1903-05 Mitscher	9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June)	11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday	6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday	7:00 p.m.
Islamic	
Jumaa Prayer (Friday at 1006 Blandly)	12 (noon)
Roman Catholic	
Sunday Mass, Main Chapel	9:00 a.m.
Daily Mass, Small Chapel	11:35 a.m.
Confessions, Weekdays	By appointment
Religious Education Classes (Sunday) (September thru May)	10:30 a.m.
1902 Dibb, 1002 Blandly, 1008-10 Blandly & 1903-05 Mitscher	
Jewish	
(NWC ext. 2851)	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday at 1004 Blandly)	3:00-5:00 p.m.
Religious Education (Sunday at 1004 Blandly)	9:00 a.m.-12 noon

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Secretaries needed on Center

(Continued from Page 20)

Department, Standard Missile Program Office. Incumbent will provide secretarial and administrative support to Head, Standard Missile Program Office and staff. Knowledge of NWC operations and regulations is desired. Ability to deal effectively with all levels of personnel is highly desired. Knowledge and experience with the Macintosh PC is desired. Must be able to obtain and maintain a Secret Clearance. Promotion potential to DG-3, but not guaranteed.

No. 39-057, Secretary (Typing), DG-318-1/2, Code 3921 - This position is open to current 03 employees only. This position is located in the Weapons Control Branch, Concept Development Division, Intercept Weapons Department. The incumbent provide secretarial support to the branch. Experience with the Zenith PC and/or Macintosh desired, but not required. Promotion potential to DG-2, but not guaranteed.

No. 64-007, Secretary (Typing), DG-318-1/2, Code 64401A - Incumbent will provide secretarial and administrative support to the Range Development Program Office. Knowledge of and skill working on the Macintosh PC is desirable. Must be able to obtain and maintain a Secret clearance. The work place is the EWTES Facility, and the work week is "First Forty". Promotion poten-

tial to DG-3, but not guaranteed. This position is open to current 06 employees only.

No. 64-008, Secretary (Typing), DG-318-1/2, Code 6441 - Incumbent will provide secretarial and administrative support to the Software Engineering Branch. Knowledge of and skill working on the Macintosh PC is desirable. Must be able to obtain and maintain a Secret clearance. The work place is the EWTES Facility, and the work week is "First Forty". Promotion potential to DG-2, but not guaranteed. This position is open to current 06 employees only.

No. 38-007, Secretary (Typing), DG-318-1/2, Code 3894 - This position is located in the Research Department, Engineering Sciences Division, Warhead Dynamics Branch. We are located in a beautiful remote location, yet only 5 minutes to central site and Ridgecrest. Incumbent provides secretarial and administrative support for the branch Head, and staff. Additionally, the incumbent will assist elsewhere in the division when needed and work load permits. Ability to meet and deal effectively with others is highly desirable. Knowledge and working skill on the Macintosh SE/SE-30/11 is desirable. Only one position available, don't delay, act now by submitting your SF-171. The full performance level of this position is DG-2.

Technical advisory position available

Following is a job opening for a technical advisory position located in Washington, D.C. For more information about the position, call former incumbent Tom Loftus (Code 372), NWC ext. 3544, or the Missile Support Technology Block Manager Bob Schwartz (Code 373), NWC ext. 1655. To apply for the job, submit a current SF-171 to Code 22 (Jacqui or Sandra, Room 202, Bldg. 2335, NWC ext. 2434) by Jan. 18.

Emphasis will be on combat systems, C³ systems, and mission support systems. Incumbent will have responsibility for studies and evaluations related to engineering of complex information systems, machine intelligence and mission focused advanced computing technology. Normal day-to-day duties include planning, evaluating and analysis in one or more research areas such as artificial intelligence, software, hardware (including massively parallel architectures), and software and systems engineering. Incumbent will work with the technology area manager for computer technology in ONT and maintain liaison with officials in Navy Laboratories, Systems Commands, OPNAV, OSD and DARPA. The position is open to DP-3 or DP-4 candidates as a reassignment only. Applicants must have a minimum of 3 to 5 years' experience at NWC qualifying for series 801, 830, 855, 861, 1310, 1515, 1520 and 1550.

Staff Assistant, Computer Technology Program OCNR (ONT 227) -- This is a technical advisory position located in Washington, D.C. Incumbent performs a variety of duties as staff assistant in the Office of the Chief of Naval Research, Office of Naval Technology, Support Technology Directorate, to gain a broader perspective of the issues involved in the research and development of all classes of information processing systems.

Dr. Madrigal talks to students about Chico classes

Dr. Orlando Madrigal of Cal-State University Chico will be on-Center Jan. 18 to advise current and prospective students in the external degree programs offered by the school.

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

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Insurance effective January 13
 All employees who changed insurance during open season are reminded the new insurance will not be in effect until Jan. 13. If the present company requires an annual deductible, this deductible will start being met again Jan. 1. Unfortunately, any claims incurred Jan. 1-12 will go towards the current insurance's deductible. The new insurance company's deductible, if one is required, will have to begin being met on Jan. 13.

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Qualified employees sought to fill openings at NWC

(Continued from Page 19)

data systems, and video systems for pulsed tracking radar systems. An understanding of digital and/or analog circuit design and radar systems is desired. Incumbent will function as technical advisor to the Branch and Division in regards to existing radar performance and requirements for upgrades and new systems. Applicants must be able to communicate both orally and in writing with all levels of personnel. Overtime and outdoors work are required. **Promotion potential to DP-3, but not guaranteed.** To apply, submit a current SF-171 to Butch Tague, Code 6236, NWC ext. 6323.

No. 62-041, Electronics Engineer, DP-855-1/2/3, Code 6254- This position is located in the Range Support Branch, Data Systems Division, Range Department. The incumbent will be responsible for general engineering support to the branch. This will include system design, hardware design, and component level assistance in support of numerous electronic systems, such as timing equipment, radios, microwave equipment, lightwave multiplexing equipment, channel banks, modems, etc., within the branch. The incumbent shall also be responsible for documentation, material support, scheduling of implementation and coordination of installation services, installation and checkout of systems, and operational support. Duties include: developing documentation procedures and configuration drawings on a Macintosh PC for physical, electronic, and electrical installation requirements at various range facilities; monitoring of contracts and contracted personnel; organizing complex tasks and information; developing, planning in detail, and organizing clear documentation for equipment installation purposes. The incumbent must have experience with digital electronic equipment, test equipment, Macintosh PC, and MS DOS based PC equipment and software. The capability to effectively communicate with others both orally and in writing is also desired. The position requires travel on the ranges, off-Center for training, and engineering coordination for conference purposes. Applicants must be able to obtain and maintain a Top Secret clearance. **Promotion potential to DP-3, but not guaranteed.** This vacancy announcement closes on 1 February 91. To apply, submit a current SF-171 to O.J. Dove, Code 6254, NWC ext. 6717.

No. 64-002, Interdisciplinary (Electronics Engineer/Physicist), DP-855/1310-2/3, Code 6443- This position is located in the Radar Systems Branch of the EWTES Division, Aerosystems Department. This branch operates and maintains many threat radar systems used to test electronic counter measure devices in free space. The schedule of work is nominally "first 40", Monday through Thursday, 0630 to 1630. The incumbent will be working with an experienced team that operates and maintains a modern pulse doppler, semi-active threat radar, and associated digital systems. The incumbent must possess engineering knowledge or experience working with radar and missile systems. Applicants must have experience in software languages such as 68000 Assembly and Vector General displays, or other software with related backgrounds. Incumbent must be able to read and maintain fortran application programs. Familiarity with DEC VMS, RT11/RSX11 and DR11WX interfaces is desirable. Applicants must have ability to troubleshoot software problems that cross systems boundaries. Experience in reading and interpreting schematic diagrams and technical documentation, and the ability to assist in the upgrading and definition of replacement hardware/software systems is required. Applicants must have ability to work effectively with a technical team and obtain/maintain a top secret clearance. **Promotion potential to DP-3, but not guaranteed.** To apply, submit a current SF-171 to Dennis McKeen, Code 64401A, NWC ext. 3571.

No. 64-003, Interdisciplinary (Aerospace Engineer/Physicist/Mathematician/Computer Scientist/Mechanical Engineer), DP-861/830/1310/1520/1550-1/2/3, Code 6441- This position is in the Software Engineering Branch at EWTES (Echo Range). The incumbent will perform as an analyst for software simulations of missile and gun (AAA) projectile flyouts. This would include review of intelligence data and performing engineering analysis of current simulation models, developing new simulations for threat systems, and working with software engineers to develop, test, analyze, and debug software. Applicants must have knowledge of and experience with development of software weapons simulations. Familiarity with intelligence data on threat naval weapons systems is desired. As a minimum, a basic understanding of aerodynamics principles is required. The applicant must have experience with development of software weapons simulations. Incumbent must be capable of receiving a Top Secret clearance. **Promotion potential to DP-3, but not guaranteed.** To apply, submit a current SF-171 to David Cook, Code 6441, NWC ext. 3571.

No. 64-004, Interdisciplinary (General/Engineering/Electrical/Physicist/Computer Scientist/Program Manager), DP-801/855/830/1310/1550/340-2/3, Code 64401A- This position is in the Range Development Program Office, Electronic Warfare Threat Environment Simulation (EWTES) Division. Incumbent will manage Improvement/Modernization programs, Simulator Development programs and other special programs as situations arise. He/she will provide division management with recommendations/alternatives to technical and budgetary problems. Specific duties will include preparing plans and schedules, monitoring progress, tracking budgets, and reporting at all levels up to and including NAVAIR. Proficiency with Macintosh computer systems and spreadsheets, word processing, and presentation package software is desirable. **Promotion potential to DP-3, but not guaranteed.** To apply, submit a current SF-171 to Dennis McKeen, Code 64401A, NWC ext. 3571.

No. 31-096, Secretary (Typing), DG-318-1/2, Code 3107 - This position provides secretarial and administrative support of the Deputy for Foreign Military Sales in the F/A-18 Weapons Systems Support Activity. The incumbent is responsible for various secretarial duties including all foreign travel orders, passports, and visas. Must have the ability to communicate effectively. Skill on the Macintosh computer is desirable. Status eligibles may apply. Previous applicants need not reapply.

No. 64-004, Interdisciplinary (General/Engineering/Electrical/Aerospace Engineer/Computer Scientist/Programmer/Program Analyst/Mathematician/Physicist), DP-801/855/850/861/1550/334/345/1520/1310-2/3, Code 6449- This position is in the Data Products Branch of the EWTES Division, Aerosystems Department. The branch develops and maintains software systems used in support of the test/evaluation of electronic counter measure devices and/or tactics in a free space laboratory. The schedule of work is nominally "first 40", Monday through Thursday, 0630-1630. The incumbent is responsible for analyzing processes, developing software requirements and designs, and implementing administrative and technical data bases to support EWTES Range Operations. Software engineering experience and knowledge are required. Familiarity and experience with Apple Macintosh and DEC VAX data base products, such as 4th Dimension and Ingres, is desirable. Incumbent must have experience reading and interpreting technical documentation. Incumbent must be able to work effectively with administrative and technical personnel throughout the EWTES organization. Incumbent must be able to obtain and maintain a SECRET clearance. **Promotion potential to DP-3, but not guaranteed.** To apply, submit a current SF-171 to Bill Taylor, NWC ext. 215.

No. 31-083, Secretary (Typing), DG-318-1/2, Code 3156 - The incumbent will provide secretarial and administrative support to the RF Systems Branch. Knowledge of and working skill on the Macintosh PC is desirable. **Promotion potential to DG-2.** The area of consideration for this position is the 03 Directorate.

No. 39-055, Secretary (Typing), DG-318-2/3, Code 39B11 - This position is open to current 03 employees only. This position is located in the Intercept Weapons (Continued on Page 21)

The I.W.V. Concert Assn. presents Cal State Opera Theater in "The Merry Widow"
Franz Lehár's romantic operetta
THURS., JAN 17, 7:30 - NWC Theater
For tickets or concert information phone 375-5600 anytime

Secretarial opportunities

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

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

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

No. 31-096, Secretary (Typing), DG-318-1/2, Code 3107 - This position provides secretarial and administrative support of the Deputy for Foreign Military Sales in the F/A-18 Weapons Systems Support Activity. The incumbent is responsible for various secretarial duties including all foreign travel orders, passports, and visas. Must have the ability to communicate effectively. Skill on the Macintosh computer is desirable. Status eligibles may apply. Previous applicants need not reapply.

No. 31-083, Secretary (Typing), DG-318-1/2, Code 3156 - The incumbent will provide secretarial and administrative support to the RF Systems Branch. Knowledge of and working skill on the Macintosh PC is desirable. **Promotion potential to DG-2.** The area of consideration for this position is the 03 Directorate.

No. 39-055, Secretary (Typing), DG-318-2/3, Code 39B11 - This position is open to current 03 employees only. This position is located in the Intercept Weapons (Continued on Page 21)

this position is the 03 Directorate. Previous applicants need not reapply.

No. 38-001, Secretary (Typing), DG-318-2/3, Code 385 - This position is located in the Chemistry Division Office. The incumbent provides secretarial and administrative assistance to the Head, Chemistry Division and Administrative Officer. Knowledge of and working skill on the MacIntosh II, and software including Excel, Filemaker and Powerpoint is desirable. The full performance level of this position is DG-3.

No. 31-096, Secretary (Typing), DG-318-1/2, Code 3107 - This position provides secretarial and administrative support of the Deputy for Foreign Military Sales in the F/A-18 Weapons Systems Support Activity. The incumbent is responsible for various secretarial duties including all foreign travel orders, passports, and visas. Must have the ability to communicate effectively. Skill on the Macintosh computer is desirable. Status eligibles may apply. Previous applicants need not reapply.

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NWC wins EEO recognition from SPAWAR

"Without the support of the Center's top management, and I mean Capt. Douglas W. Cook, Bill Porter, Sterling Haaland and Jack Russell this wouldn't have happened," said Kathy Kraft of the Equal Employment Opportunity Annual Honorary Award received by the Naval Weapons Center (NWC) from the Space and Naval Warfare Systems Command (SPAWAR).

Ms. Kraft, the Center's deputy EEO Officer said the award, the first won by NWC, came about because of a Center-wide commitment, starting at the top, to ensure more than just lip service to equal opportunity at China Lake. Capt. Cook (Center Commander and EEO officer) is willing to hold people accountable for results within the EEO program. "He has been instrumental in making the whole process work," added Ms. Kraft.

The deputy EEO officer, who has since left NWC for a new assignment, stressed the award was the result of more than just the result of EEO Office staff work. "This involved supervisors, managers, work groups, individual employees and whole departments," she noted.

RADM. R. H. Ailes, SPAWAR Commander, said in his letter announcing

NWC's selection for this annual award said, "The Naval Weapons Center was selected for this award based on its innovative programs and initiatives which focus on the goal of increasing representation of minorities, females and disabled individuals throughout the Center. Noteworthy initiatives and programs include: productive Federal Equal Opportunity Recruit Program strategies to increase the percentage of job offers in engineering made to minorities; creative initiatives to increase representation of Hispanics in the workforce and effective use of the Cooperative Education Program, Joint Training Partnership Act Program, Technical Mentor Program and the Upward Mobility Program to increase representation of minorities and women."

RADM. Ailes also extended "congratulations to everyone at the Naval Weapons Center who has contributed to the Center's progressive EEO program."

As the SPAWAR winner in the research and development center category, NWC will compete, as the SPAWAR representative, for the Navy's Nathaniel Stinson EEO

Program Award in the category of large research and development activity. This is a very prestigious Navy-wide award noted Ms. Kraft.

Among the accomplishments cited in the Center's nomination package were the reorganization of the EEO Program to provide a balanced mix of EEO principles, affirmative employment programs, targeted recruitment strategies, position-management issues and complaints management. This resulted in immediate, tangible changes in staffing policies.

Other areas cited for efforts leading to this award included the Hispanic Employment Program, Federal Women's Program, Handicap Employment Program, Black Interest Program, Professional Recruitment Program, Cooperation Education Program, Technical Mentor Program, Job Training Partnership Act Program, Leave Transfer Program, Wellness Program, American Heritage Week, Alternative Work Schedule, Sexual Harassment Prevention Train-

ing and Internal Affirmative Action Planning.

Nominees were judged on four criteria: • Demonstrated, measurable actions which have had a positive impact on the EEO program for employees within an activity. • Demonstrated, measurable actions which have had a positive impact on the EO Program for military members. • Demonstrated, measurable initiatives which have resulted in addressing the needs of the Naval Weapons Center in those occupations which are under-represented by women and minorities. • Demonstrated, measurable initiatives which have resulted in improving the Naval Weapons Center's timely processing of EEO discrimination complaints and their resolution rate.

Ms. Kraft said she was very pleased to see the Center honored with this award. Talking about the Center's EEO Program, she said the support from Capt. Cook and Center management had made hers a very rewarding and fulfilling job. "Without his (Capt. Cook) support this job (deputy EEO officer) is like being given a bus to drive, but without a steering wheel. That support is essential."



Dr. King's work played crucial role for Gen. Powell

WASHINGTON--An outspoken admirer and student of Martin Luther King Jr.'s teachings, Army Gen. Colin Powell, chairman of the Joint Chiefs of Staff, said King's work played a vital role in his becoming America's top general.

"It's always hard to describe the impact Dr. King had on this nation, as well as on my life," said Powell. "He was a man of great courage, willing to go to the very end, put everything on the line, for what he believed in. That's what impressed me the most, and the fact that his contributions were not just for African Americans, but for all Americans."

"Dr. King fought the second Civil War. The first Civil War was

fought 100 years earlier, but he led all Americans in the second Civil War, which freed America from the chains of oppression that still existed in this country through the 1960s."

Lauding King's contributions to the nation, Powell said the civil rights leader was "instrumental in breaking down barriers to opportunities to such an extent that I've been able to get where I am." The general cited King's example of moral courage, fighting for what you believe in, not being distract-

ed from what you think is right and doing right. "That influences me and shapes the way I look at my life and my responsibilities as chairman of the Joint Chiefs of Staff," he said.

"I always think of Dr. King in tandem with the words of our Declaration of Independence. 'And for the support of this Declaration, with a firm reliance on the protection of Divine Providence, we mutually pledge to each other our Lives, our Fortunes and our sacred

Honor,'" Powell said.

"In other words, he was prepared to put everything on the line for things dear to him and meant something to him -- what he believed in. I don't know if anybody can make a better statement than that," said Powell.


"He was such a great spokesman; his sermons, speeches and teachings are significant and are going into the pantheon

of great American literature.

"We use his words wherever possible to communicate to our young people the meaning of his life," Powell continued. "And not just black history things. What he did for the whites of America is as great as what he did for blacks. That's why it's so correct for this to be a national holiday and why all Americans should study what he did and what he meant."

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33MHz 386 with 64K cache upgrade only \$299

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Atomic Clock: What a difference just one second can make

Most of us are quite familiar with the term leap year, the year in the Gregorian calendar containing 366 days with February 29th as an extra day, but how many of us give a puzzled look upon hearing the term *leap second*?

Why, many of us didn't know there was such a thing.

Well there is, and if you talk to Duane McConnell or Teresa McGowan in the Naval Weapons Center's Metrology Branch, Code 3641, they will gladly let you in on the secret. "We put in a leap second this morning (Jan. 2)," said McConnell.

He then went on to explain what they call a leap second occurs when the earth's rotation is running a little slower than what

the calendar year is. "It varies from year to year!" said McConnell.

Last year just so happened to be a year with an extra second in it. Normally one thinks of a leap as going forward in time, but there were 61 seconds in the last minute of the year which meant setting the atomic clock in the Metrology Branch back one second for the new year. Like the master clock at the Naval Observatory in Washington D.C., the atomic clock is accurate to within a billionth of a second per day, is independent of the earth's rotation and must be tweaked every one to two years with leap seconds. The clock in Michaelson Laboratory's lobby is also set by the Metrology Branch. "We adjusted the clocks on Jan 2nd, so if anyone was in

the lab and set their watches after midnight on the Dec 31st, they're probably one second off!" chuckled McConnell.

Time is continually monitored by the staff and kept within a few nanoseconds (a nanosecond is .000,000,001 seconds) of the master clock at the Naval Observatory.

The branch uses a satellite tracking system (Global Positioning System) to monitor different satellites passing over the China Lake area.

McConnell and McGowan read timings off each satellite and figure averages from the readings. Personnel at the Naval Observatory also conduct similar readings and the two coasts compare averages.

Ultimately the Naval Observatory has the final say on what the correct time is.

"The China Lake station is extremely important to the Observatory in monitoring our LORAN (C) stations," said McConnell, "because of our location, we can pick up more stations so the Observatory relies on our readings to give them added information."

Some may ask, do we really need to know the exact time to the nanosecond?

McConnell emphatically answers yes, particularly at a test and evaluation center. "Light and radio waves travel at approximately one foot in a nanosecond. So a few nanoseconds could mean several feet to a radar, GPS, or a LORAN signal. . . Besides, if nothing else, its always good to have everyones clock set to the same time!"

MARS provides link with Desert Shield

Military Affiliate Radio System (MARS) and volunteer radio operators are providing a free communications link between Saudi Arabia and the United States. This system includes a MARS station at China Lake. Area volunteers have been active in relaying messages from Desert Shield participants.

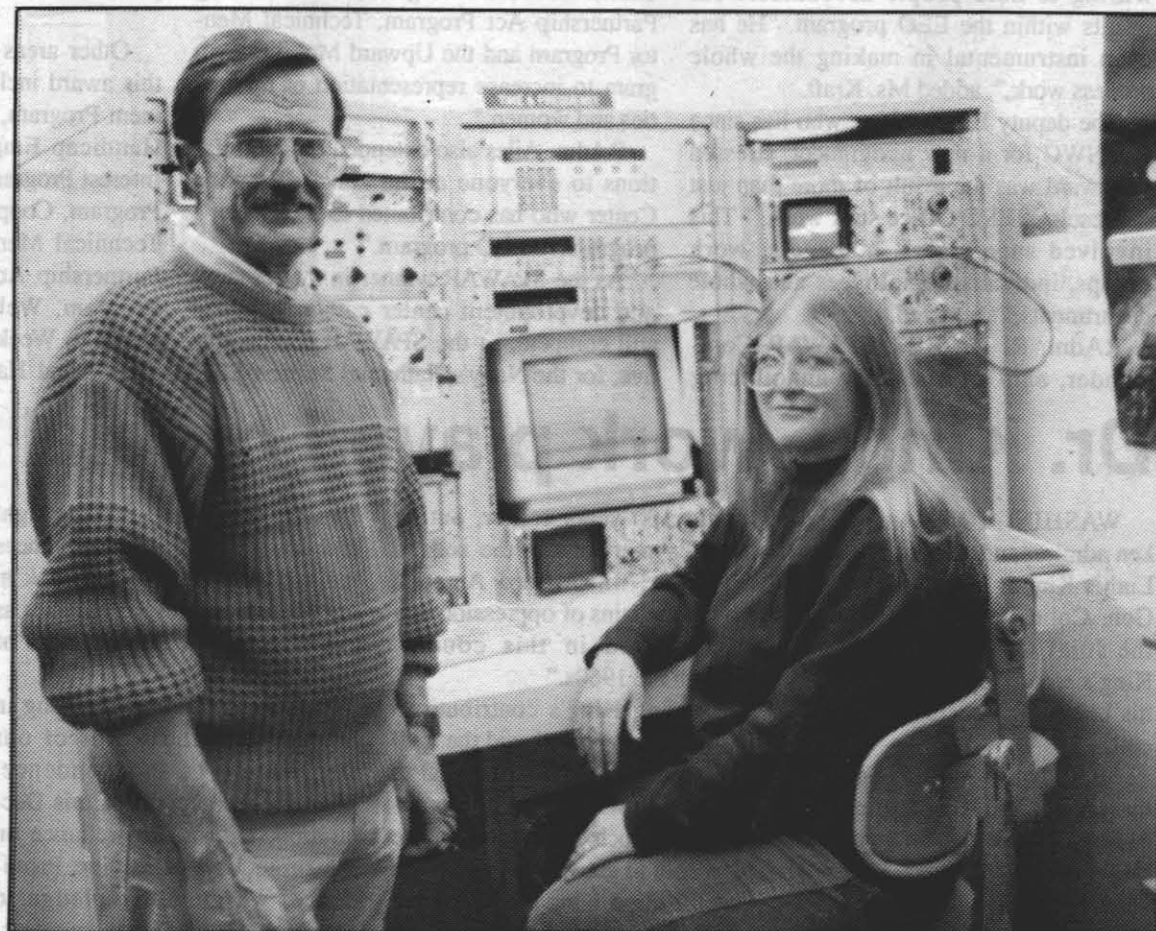
The MARS program helps service members at Operation Desert Shield keep in touch with their family members and friends stateside, said Air Force Lt. Col. Harry Mamaux of the Office of the Assistant Secretary of Defense (Force Management and Personnel). Radio equipment is set up at some Desert Shield locations and, except when it is restricted by operational necessity, may be used for phone patches or free telegrams to the states, he said.

MARS hours also depend on when civilian amateur radio nets are operating. Mamaux stressed that the civilian radio operators are all willing and able volunteers. They also must be licensed by the military to assist with the program.

A phone patch lets callers in Saudi Arabia talk directly and immediately with whomever they want in the United States. "Service members visit the MARS station or schedule a time for their calls. Each call is usually limited to about five minutes," Mamaux said. "The radio operator at the Saudi station asks for the location and telephone number to be called. He then transmits to a MARS operator in the United States, who completes the link by phone."

The call is free unless it has to be placed as a collect, long-distance call, he continued. The only cost then would be from the stateside radio operator to where the call was going. For example, if the call was going to a small town in Iowa and the closest radio operator was in Chicago, the cost of the call would be from Chicago to the Iowa town.

MARSgrams are like telegrams and are another way of keeping in touch with relatives by using the military's radio system. Mamaux said service members fill out a message form and include the telephone number and home address of the individual they want to reach. The operator in Saudi Arabia passes the message through the net until a civilian operator in the intended city or town picks it up. The operator calls the individual or drops the message in the mail. AFIS



1991???? JUST A SECOND!-- Duane McConnell and Teresa McGowan, Metrology Branch, Code 3641, monitor the atomic clock. They gladly let us in on *Father Times* secret. Photo by PH3 Brady

NWC HOTLINE
Integrity, efficiency program
Call: NWC ext. 3636 (24 hours)
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288-6743 (Autovon)
(202) 443-6743 (commercial)

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Vacancies available at the Naval Weapons Center

(Continued from Page 18)

No. 62-044, Electronics Technician, DT-856-2/3, Code 62544. This position is located in the Range Communications Section of the Range Support Branch of the Range Department. Incumbent will operate the Communications System, Management Center in the Range Communications Center. Incumbent will assist in the operations of the microwave receiver equipment, assist in the operations and maintenance of electronic communications equipment, act as the central focal point for receiving trouble calls and requests for assistance, and monitor the total communications alarm and status management system, including the Optical Range Communications System, within the Range Communications Center. **Job Relevant Criteria:** Knowledge of modern digital electronic communications equipment (multiplexers, demultiplexers, channel banks, audio/video digitizers); knowledge of analog voice and video equipment (lightwave/muldem, video modulators, video demodulators, orderwire); knowledge of basic analog and digital microwave equipment operations and NAVWPNCEN test range operations; ability to use communications test equipment (bit error testers, audio signal analyzers, oscilloscopes, multi-meters, ect.) Must be able to obtain and maintain a Secret clearance. **Promotion potential to DT-3, but not guaranteed.** Previous applicants need not reapply.

No. 62-046, Electronics Technician, DT-856-3, Code 62203. This position is located in the Frequency Management Office of the Range Department. The incumbent is responsible for the monitoring and scheduling of the RF spectrum on the NWC north ranges. Duties include supervising fixed and mobil frequency monitoring facilities, coordinating RF requirements with other installations and the Western Area Frequency Coordinator, validating range RF targets, and assisting in the preparation and processing of frequency assignments and allocations. **Job Relevant Criteria:** Knowledge of electronic equipment and procedures to receive, process, and record RF signals; knowledge of digital and/or analog circuit design; skill in operating computer systems; skill in installation, maintenance, and repair of electronics equipment; ability to communicate orally; ability to communicate in writing.

No. 64-001, Electronics Technician, DT-856-1/2/3, Code 6443. These positions are in the Radar Systems Branch of the EWTES Division, Aerosystems Department. The schedule of work is nominally "First 40", Monday through Thursday, 0630 to 1630. The incumbent is responsible for operation, calibration, repair, and modification of non-production, one-of-a-kind radar subsystems, radar systems using schematics, and electronic and RF test equipment. Repair is equivalent to the component level of analog and/or digital and/or RF circuits. Experience maintaining and operating the Navy's SPS-48 would be desirable. **Job Relevant Criteria:** Knowledge of radar and radar systems; skill in using electronics test equipment; knowledge of NWC test range operations. **Promotion potential to DT-3, but not guaranteed.** This vacancy announcement closes on 31 January 91.

No. 64-005, Supervisory Interdisciplinary (General/Electrical/Electronics/Aerospace Engineer/Physicist/Operations Research Analyst/Mathematician/Computer Scientist), DP-801/850/855/861/1310/1515/1520/1550- 3/4, Code 6449-

This position is that of Head, Data Products Branch located in the EWTES Division, Aerosystems Department. As branch head, the incumbent will direct a multi-disciplined staff which provides software development, maintenance, and related test data processing support to EWTES. This includes development and maintenance of off-line software for test data processing, analysis, and preparation of test data products. Included are C/C data products, missile, and AAA software simulations. The incumbent provides overall direction, coordination, and management of the branch's activities as well as general administrative tasks. Incumbent must have the ability and willingness to support NWC EEO goals and objectives. Incumbent may be required to serve a one-year probationary period. The work schedule is the "First Forty" hours. **Promotion potential to DP-4, but not guaranteed.** To apply, submit a current SF-171 to Ellis Kappelman, Code 64403, Ext. 3571.

No. 64-009, Multidisciplinary (Flight Test Specialist/Test Management Specialist/Test Scheduler/Computer Specialist), DS/DP-301/334-3, Code 6445- Serves as the focal point for program offices and other sponsors for test work on the NAVWPNCEN Electronic Warfare Ranges. Responsibilities include: test planning, fiscal management, test coordination, analysis, and documentation of assigned projects, plus managing, analyzing, and verifying customer test data. The incumbent serves as the primary contact with sponsors, technical and administrative associates, center managers, contractors, and national associates. Sponsors are from both on-Center and off-Center which includes SPAWARS, Marines, Air Force, Army, private industry, and foreign military. There is a good balance between desk work and field work. **Job Relevant Criteria:** Knowledge of test and evaluation of weapons systems; ability to originate and develop special test set-ups, procedures, and electronic devices to facilitate the testing process; ability to plan, organize, coordinate, and manage a technical program; ability to communicate in writing; ability to communicate orally; ability to make technical presentations. **Promotion potential to DP-3, but not guaranteed.**

No. 64-010, Multidisciplinary (Engineering/Electronics Technician), DT/DP-856/802-3, Code 6445- Serves as the focal point for program offices and other sponsors for test work on the NAVWPNCEN Electronic Warfare Ranges. Responsibilities include: test planning, fiscal management, test coordination, analysis, and documentation of assigned projects, plus managing, analyzing, and verifying customer test data. The incumbent serves as the primary contact with sponsors, technical and administrative associates, center managers, contractors, and national associates. Sponsors are from both on-Center and off-Center which includes SPAWARS, Marines, Air Force, Army, private industry, and foreign military. There is a good balance between desk work and field work. **Job Relevant Criteria:** Knowledge of test and evaluation of weapons systems; ability to originate and develop special test set-ups, procedures, and electronic devices to facilitate the testing process; ability to plan, organize, coordinate, and manage a technical program; ability to communicate in writing; ability to communicate orally; ability to make technical presentations. **Promotion potential to DP-3, but not guaranteed.**

Reassignment opportunities

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

No. 31-001, Interdisciplinary (Electronics Engineer/Physicist), DP-855/1310-1/2/3, Code 3112 - This position is located in the A-6 Facility Branch, Avionic Facilities Division of the Aircraft Weapons Integration Department. The Branch provides validation and integration workstations for the development, test validation, verification, and modification of Operational Flight Programs (OFP) exercised in the tactical computers of the A-6 aircraft. The incumbent will be an A-6 facility responsible for design and support of complex electronic equipment; will develop and document hardware specifications and test plans, and then implement those requirements using facility and contractor support personnel. The incumbent will be required to identify tasks and milestones done by other than technical supervision. The incumbent must be able to obtain a Secret clearance. The full performance level of this position is DP-3. To apply send a updated SF-171 to John Dancy, Code 3112, NWC ext. 5388.

No. 61-004, Interdisciplinary (General/Electronics/Electrical/Aerospace/Mechanical Engineer/Physicist/Mathematician/Computer Scientist), DP-801/855/850/861/830/1310/1520/1550-3, Code 6101- This position is located in the Target Systems Program Office (TSPO), Aircraft Department. Incumbent will be the Deputy Program Manager for in-service and production support. Duties include technical management and support of Full Scale Aerial Targets (FSAT), and Target Systems for production and in-service support. The incumbent will manage aircraft resources during the storage, preservation, and reclamation for conversion into target drones. Duties include: management of integrated logistics support, procurement support, and acquisition of government furnished equipment. The incumbent will perform as the Cognizant Field Activity Manager for FSAT support equipment and will be the Aircraft Configuration Manager. The incumbent should have a strong knowledge of aircraft maintenance practices and procedures. Knowledge of government ILS, procurement policies, quality assurance and configuration control of aircraft and aircraft systems is desirable. This person should have the ability to plan, organize, coordinate, and manage technical projects. The ability to influence and motivate others is advantageous. To apply, submit an updated SF-171 to W. Chartier, Code 6101, NWC ext. 5449.

No. 62-032, Electronics Engineer, DP-855-2/3, Code 6236- This position is located in the Radar Branch of the Instrumentation Systems Division of the Range Department. Incumbent will provide hardware engineering for the North Range Radars, which includes the designing of hardware. The incumbent will also fabricate, operate, and maintain North Range Radars systems used for missile and aircraft testing on NAVWPNCEN North Range. It is expected that the incumbent will be able to design, troubleshoot, repair, and maintain radar transmitters, solid state and/or tube receivers, servo systems. (Continued on Page 20)

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Personnel News

Application deadline is by COB on Thursday

Due to the earlier distribution of the *NWC Rocketeer*, the closing date of job announcements listed under the "Personnel News" section has been changed to 4:30 p.m. on **Thursdays**, one week after the opening date of the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date (**Thursday**) will not be considered.

Promotional opportunities

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

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

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

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

No. 22-007, Personnel Clerk/Assistant (Typing), DG-203-A/1/2, Code 226 - Incumbent performs the following duties for a major department(s): processes all actions affecting appointments, pay setting, separations, conversions of appointment, etc; performs competitive and non-competitive qualification ratings; performs ranking and may conduct ranking/selection panels; and drafts vacancy announcements for recruitment. At the higher levels, incumbent advises and recommends to supervisors and managers recruitment options for certain occupations (e.g. clerical); participates in various phases of crediting plan development. **Job Relevant Criteria:** Knowledge of personnel policies and procedures related to staffing; ability to plan, organize, and accomplish work independently; ability to perform a variety of clerical/technical functions; ability to research, comprehend, and apply complex regulatory information. Promotion potential to DG-3.

Previous applicants need not reapply. Status eligibles may apply.
No. 31-086, Clerk, DG-303-1/2, Code 315 - (This is a Part Time position). This position is located in the Targeting and Fire Control Division of Code 31. The incumbent is responsible for the receipt, records maintenance, and destruction of classified documents for the Division. The incumbent also provides clerical support to the Division. **Job Relevant Criteria:** Knowledge of NWC security procedures and regulations as related to classified documentation; ability to deal effectively with people; ability to apply rules, regulations, policies, procedures, and instructions. Secret clearance is required. The full performance level of this position is DG-2. The area of consideration for this position is the 03 Directorate. Previous applicants need not reapply.
No. 31-100, Computer Specialist, DS-334-1, Code 3134 - This position is located in the Models and

Simulations Branch of the EW Avionics Division, Aircraft Weapons Integration Department. The Models and Simulations Branch designs, develops and maintains digital warfare simulations. The incumbent is responsible for conducting and managing the operations and maintenance of branch computing resources. Responsibilities include performing computer system management procedures, coordination of computer resources, developing and monitoring delivery orders for routine computer operations and maintenance, procuring ADP equipment, updating field maintenance contracts, developing and implementing facilities and security plans including secure computer network systems comprised of Sun Sparc and Apollo 4500 workstations, MacIntosh computers, and CDC Cyber 930 mainframe computers; knowledge of Appletalk, CDC-NET, TCP/IP, and Token Ring net-

works in a TEMPEST accredited environment; knowledge of the ADP procurement and computer maintenance procedures; ability to work independently; ability to deal effectively with people. The incumbent must be able to obtain and maintain a Top Secret clearance. Promotion potential to DS-3.

No. 39-054, Security Clerk, DG-303-2/3, Code 39B9 - This position is open to current 03 employees only. This position is located in the Advanced Technology Exploitation Office of the Intercept Weapons Department. The incumbent will primarily provide assistance in document control and must be able to obtain a TOP SECRET clearance. **Job relevant criteria:** Knowledge/working skills on the Macintosh computer; knowledge of NWC security procedures; ability to interpret instructions/regulatory material. Promotion potential to DG-3.

No. 39-056, Administrative Assistant, DA-341-1/2, Code 39B11 - This position is open to current 03 employees only. This position is located in the Standard Missile Project Office. The incumbent is responsible for assisting the administrative areas including personnel, plant account, ADPE, C & IS planning, procurement, FES (facilities, equipment, and space), financial management, safety and security. **Job Relevant Criteria:** Knowledge of administrative techniques, financial systems, NWC policies and procedures, ability to communicate orally and in writing. Ability to use Macintosh Computer is desired. Promotion potential to DA-2.

No. 61-001, Interdisciplinary (General/Electronics/Electrical/Aerospace/Mechanical Engineer/Physicist/Mathematician/Computer Scientist), DP-801/855/850/861/830/1310/1520/1550-3/4, Code 6101 - This position is located in the Target Systems Program Office (TSPO), Aircraft Department. Incumbent will be Deputy Program Manager for Target Systems Engineering. Duties include responsibility for hardware and software development, and life cycle management of Full Scale Aircraft and Target Control Systems. **Job Relevant Criteria:** Ability to plan, coordinate and manage a technical program; ability to lead and influence others; knowledge of systems engineering principles; knowledge of aircraft systems; knowledge of hardware/software development requirements; knowledge of configuration management. Promotion potential to DP-4, but not guaranteed.

No. 61-002, Multidisciplinary (Engineering Technician, Electronics Technician), DP-802/856-3/4, Code 6101 - This position is located in the Target Systems Program Office (TSPO), Aircraft Department. Incumbent will be the Deputy Program Manager for Target Systems

Engineering. Duties include responsibility for hardware and software development, and life cycle management of Full Scale Aircraft and Target Control Systems. **Job Relevant Criteria:** Ability to plan, coordinate, and manage a technical program; ability to lead and influence others; knowledge of systems engineering principles; knowledge of aircraft systems; knowledge of hardware and software development requirements; knowledge of configuration management. Promotion potential to DP-4, but not guaranteed.

No. 61-003, Multidisciplinary (Electronic/Engineering Technician), DT/DP-802/856-3, Code 6101 - This position is located in the Target Systems Program Office (TSPO), Aircraft Department. Incumbent will be the Deputy Program Manager for in-service and production support. Duties include technical management and support of Full Scale Aerial Targets (FSAT), and Target Systems for production and in-service support. The incumbent will manage aircraft resources during the storage, preservation, and reclamation for conversion into target drones. Duties include: management of integrated logistics support, procurement support, and acquisition of government furnished equipment. The incumbent will perform as the Cognizant Field Activity Manager for FSAT support equipment and will be the Aircraft Configuration Manager. **Job Relevant Criteria:** Knowledge of avionics subsystems/systems integration; knowledge of maintenance and repair procedures of naval aircraft avionics equipment; ability to plan, coordinate, and manage a technical program; ability to lead others.

No. 62-001, Electronics Technician, DT-856-2/3, Code 62143 - This position is located in the Electronics Section, Warhead Test Branch, Ordnance Test & Evaluation Division, Range Department. Primary duties will include electronic data acquisition of blast pressure data, fragment velocities, strain gauge measurements, and maintenance of instruments and the facility. Incumbent will also design, fabricate, document, and operate one-of-a-kind test instruments as required. Experience with and knowledge of electrical power is desirable, but not mandatory. Applicants must be willing to work outdoors and near ordnance. Applicants must be able to obtain and hold a Secret clearance. **Job Relevant Criteria:** Knowledge of NWC Test Range instrumentation; knowledge of digital and/or analog circuit design; ability to fabricate one-of-a-kind electronics hardware; skill in using electronics test equipment; skill in operation of computer systems; ability to work alone. Promotion potential to DT-3, but not guaranteed.

(Continued on Page 19)

Wellness Corner

MAMMOGRAPHY SCREENING AVAILABLE HERE

The Wellness Program has arranged to have a SAFESCREEN mobile mammography unit at NWC on Jan. 16, 30, and 31. The mobile unit will be parked in the Michelson Laboratory Parking Area from 10 a.m. to 4:30 p.m. all three days. Appointments may be made by calling (800) 458-3385. The cost of the screening is \$50, and available to NWC employees. Mammography is an accurate, safe and easy method of early detection of breast cancer. Women who are under the age of 35, or who have current breast abnormalities (dimpling, thickening, discoloration, or inverted nipples) will need a physician's referral slip. Pregnant women are not eligible. Valley Technological Services of Lancaster, Calif., is accredited by the American College of Radiology. If you have questions about the screening, you may call the number listed above or (805) 942-2242.

1990 WELLNESS AWARDS RECAP

In 1990, the Wellness Program began an awards program. The awards recognize people who make

healthy lifestyle changes, encourage and personally promote the spirit of wellness in the workplace. The memorandum announcing this new program was signed by the NAVWPNCEN Commander in March 1990. The awards program is implemented at the working level—a "people caring about people" program that allows flexibility and personal judgement in the nomination and award process. Since its inception, awards have been given to 311 people.

Seven general categories have been recognized:

- nutrition and exercise -- 99 awards
- support of wellness in the workplace/modeling - 58 awards
- weight loss -- 56 awards
- exercise -- 38 awards
- smoking cessation -- 38 awards
- blood pressure monitoring -- 18 awards
- changes in nutrition -- 4 awards

If you would like more information about the awards program, please call the Wellness Program Office at NWC ext. 2468.

Wellness classes offered

Systematic Training for Effective Parenting (Childhood)

Jan. 15-March 12 (Tuesdays), 1130-1300, Bldg. 457 (on Blandly). By Janet Butler and Debra Oliver.

This 9-session Systematic Training for Effective Parenting (S.T.E.P.) class is designed for parents with children ages 6-12 years of age. Improving parent-child relationships will be the focus of the ten-week course. The discussions will be based on S.T.E.P., which is an educational program widely used in the United States. This method encourages mutual respect between parent and child, increased cooperation and effective communication. Parents are given tools to help their children develop attitudes of responsibility and self-reliance.

Note: To enroll in class, call the Wellness Program Office at NWC ext. 2468. Then submit an On-Center Training Request to Code 2243.

Approaches to Dealing With Anger (2.5 hours)

Jan. 14, Monday, 0900-1130, Training Center. By Dr. Rita McCullough Stanley.

Scope: Are you sometimes angry without knowing why? Do you feel guilty when you feel angry? Do you either clam up or blow up? What pushes your "anger buttons?"

Anger is, for many people, the most difficult emotion to handle. Dr. Rita McCullough Stanley will discuss myths about anger, how to recognize feelings of anger, causes of anger, effects of past learning on one's present methods of dealing with anger, negative methods of dealing with anger, three major positive approaches to dealing with anger, anger prevention -- how to avoid

Systematic Training for Effective Parenting (Teens)
Jan. 16-March 20 (Wednesdays), 1130-1300, Bldg. 457 (on Blandly). By Camie Keeter and Linda Eberhart.

This 10-session S.T.E.P. class is a training course for parents and others who want to help their teenagers behave responsibly in the face of today's social pressures and who want their rela-

tionships with teenagers to be more satisfying and enjoyable. S.T.E.P./Teen encourages mutual respect between parents and teens. It leads to increased cooperation, more effective communication and a more responsible, self-reliant attitude among teenagers. Meeting with other parents in an atmosphere of mutual support, can help parents learn effective ways of building self-esteem, communication and discipline.

Note: To enroll in class, call the Wellness Program Office at NWC ext. 2468. Then submit an On-Center Training Request to Code 2243.

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Anger is, for many people, the most difficult emotion to handle. Dr. Rita McCullough Stanley will discuss myths about anger, how to recognize feelings of anger, causes of anger, effects of past learning on one's present methods of dealing with anger, negative methods of dealing with anger, three major positive approaches to dealing with anger, anger prevention -- how to avoid

becoming angry and how to deal with the anger of others.
Note: Enrollment is on a walk-in basis. No training request is required. As space is limited, plan to arrive early. For more information, call the Wellness Program Office, NWC ext. 2468.



Center, Kern Sherrif set drug education seminar

"Dope is for Dopes" is the title of a basic drug education seminar set for Feb. 6 at 1 p.m. in Michelson Laboratory's Room 1000-D. The program is sponsored by the Naval Weapons Center Speaker's Bureau and the Kern County Sheriff's Office.

Deputy Sheriff Louie Allen will relate the four medical categories of drugs to the seven legal categories of drugs. In addition, there will be display (under glass) of real drugs and paraphernalia and pamphlets on drug education will be available.

Also included in the two and a

Radar patrols

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

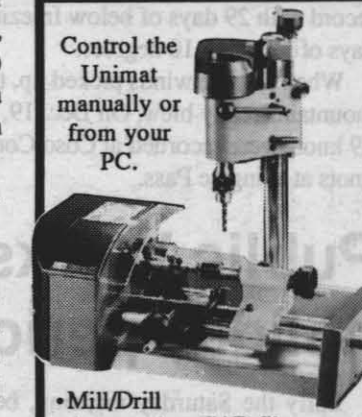
According to Kerry B. Swigum, traffic manager, CLP Operations Branch, areas of concentration for radar traffic enforcement for next week are listed below.

- Friday -- Richmond Road.
- Monday -- Inyokern Road.
- Tuesday -- Blandly Avenue.
- Wednesday -- Knox Road.
- Thursday -- Lauritsen Road.

Violations may be cited at any time, as well as in areas other than the ones mentioned above.

half hour long presentation will be a simulated vehicle stop, field sobriety tests. A military working dog of the China Lake Police will demonstrate a canine drug search and simulate the arrest and attack sequence.

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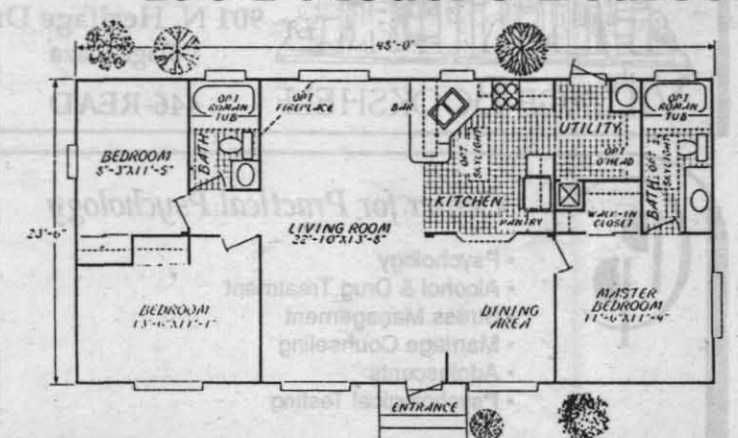
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December weather sets China Lake records for coldness in a warm year

It comes as no surprise to most China Lakers that 1990 went into the weather record books as hotter and drier than normal.

In fact, the total precipitation was 2.5 inches less than normal and the mean temperature of 64.7 degrees was 2.2 degrees warmer than normal. This despite a record-setting cold snap in later December. The 10F on Dec. 23-24 set a record for the lowest December temperature, breaking the mark of 2 above set in 1962. Records dating back to 1945 show December, 1990 as the coldest on record with 29 days of below freezing lows and six days of less than 10 degrees.

When surface winds picked up, the winds in the mountains really blew. On Dec. 19, peak winds of 89 knots were recorded at Coso Control and 84 knots at Wingate Pass.

Records of Range Systems Laboratory weather kept by the Naval Weapons Center's Range Meteorology Office show there were 77 days when the high temperature hit or topped 100 degrees and 110 of better on eight days last year.

Heat came late, the first 100-degree day wasn't recorded until June 3, and stayed late; the last 100-degree day was Sept. 14.

On the cool side, there were 94 days in 1990 when the temperature was 32 degrees or less.

The coldest days were Dec. 23-24 when it got down to just one degree above zero.

China Lakers know about the cold snap too, some are still recovering from broken water pipes and other problems the arctic blast brought.

The only snowfall recorded during 1990 was trace amounts during three days of January last year.

Public Works, contractor crews need holiday period to mend water system

Early the Saturday morning, before Christmas Day, the Public Works Department mobilized crews from all trades to work on the myriad damages caused by the usually cold weather. As of Jan. 2, there were 521 documented water breaks on Center, in addition to 15 water main breaks and 25 fire protection systems that ruptured. The vast majority of the breaks were caused by the loss of natural gas when the PG&E gas main regulator failed, resulting in the gas-fired heaters and boilers on Center being put out of service.

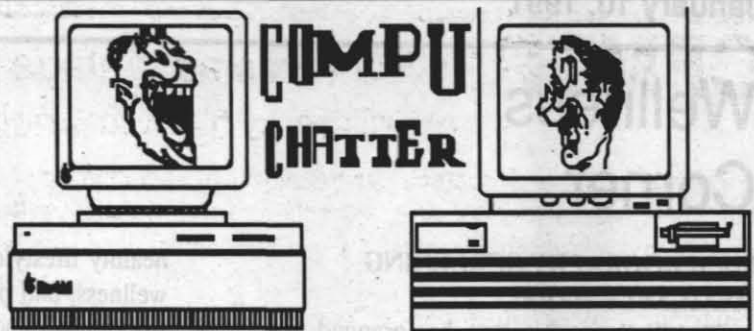
The Public Works Department and its facilities service contractor, Johnson Controls World Services (formerly Pan Am World Services), worked quickly and methodically to relight the boilers and heaters and to check the pilot lights in all of the housing units, buildings and other facilities on Center.

Considerable time was spent securing valves to prevent water damage from the numerous piping failures. Repair work began when breaks were brought under control. First priority was to restore

services to the residents in the housing area. In some cases, families had to be temporarily relocated due to the extent of the damage.

During all of the holiday period following the cold snap, PWD crews in the Maintenance Utilities Division averaged 60 hour work weeks. According to Mike Crom, division head, over 1,400 hours of overtime were required. He projects another 1,400 hours of overtime will be necessary to repair the damage caused by the broken water lines.

The final statistics will be compiled and reported in a future issue of the *Rocketeer*.



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PC Lab Announcements

The PC Lab is now open during the lunch hour! Need to try out a software package not in the PC Lab Library? Ask us, we can probably get a demo copy for you.

Come in the PC Lab to evaluate a loaner 486 machine -- it'll be here for one month only.

VDT Hazards

You may be concerned about possible ill effects surrounding the Video Display Terminal (VDT) controversy. According to the recent VDT ruling in San Francisco, there is certainly may be cause to evaluate your own situation. Some studies have shown health hazards and more research is ongoing. There's an informative article on low-level electromagnetic emissions from display monitors in *MacWorld* magazine, July 1990, if you're interested. Since we don't really know if biological damage is being done, it's a good idea to take a few precautions. Anti-glare screens help to block out radiation and some say protect the eyes. To drastically reduce the magnetic-field emissions sit at least 28 inches from the screen, a good rule of thumb is to keep an arm's distance between you and your monitor.

Optimize!

If you haven't formatted or optimized your hard disk in a while, you might be running slower than you need to be. For optimum performance take a few minutes to reorganize fragmented disk space. A good program for the PC is the new Norton Utilities, and for the Macintosh, try Disk Express. If you would prefer someone to come to your site and perform this service, call the PC Lab, NWC ext. 6631.

Children learn more than just the rules in NWC's Basketball League

Twelve teams went into action last week during the first games of the Naval Weapons Center Youth Basketball League play. Each Friday and Saturday, children between the ages of 6 to 12 learn basketball skills, how to interact with other children and most importantly, good sportsmanship.

Division I

Suns 12, Rockets 4

Curtis Haney led his team with four fields goals, while Rory O'Neil and Dirk Spoons threw in two points a piece for the win. According to the coach, the Suns' victory was due to the defensive efforts of the team's players. Eric Otto and Patrick McDonald played an excellent defensive and Chris Bachman and Ryan Katzenstein each tossed in two points in the loss.

Division II

Mavericks 39, Spurs 37

In a fast paced game, the Mavericks squeaked out on top thanks to the accurate throwing of Michael Bachman, who tallied seven goals; Sam Elson, who dunked in five shots; Justin Nelson, who sunk five field goals and one free throw; and Aaron Bailey, Josh Bower, Mat LaBarre and Kyle Wilson, who each tossed in two points. Zach Hillewaert's 24 points, along with David Rollingson's 12 points and Erin O'Neil's one point, weren't enough for the Spurs.

Bulls 37, Clippers 8

The Bulls ran away with the game due to the superb shooting of Jason Bull (16 points), Jimmy

Miller (13 points), Pete Greedy (6 points) and Matthew Gallyardt (2 points). Lack of size hurt the Clippers in their attempts to score, however, Will Collier dunked in three field goals and Willie Eichenberg one to put the Clippers on the scoreboard.

Rockets 31, Jazz 13

Good team play and spirit, sound offense and good defense aided in the victory, noted the Rockets' coach. Baskets were made by Jamie Rugg, Mark Norlund, Chris Brown, Don Little Jr., Steve Ributtan, Mark Ogren and Robert Silva. Despite five field goals by Anthony P'Fau and four each by Jason Hiatt and Zack Woydziak, the Jazz couldn't stop the Rockets.

Division III

Lakers 39, Kings 33

Fifteen points by Chris Maki and eight each by Lisa O'Neil, Jay Norlund and Jimmy Hutmacher gave the Lakers their first win. Shots by Behrang Goodarzirad, Jeff Randolph, Sam Miles and Lenny Winterly made the Kings a formidable

Pistons 40, Celtics 28

With sharp shooters Daniel La-Hage, who scored 23 points, and Andrew Dubois, who sunk in 17 points, the Pistons overcame the Celtics. According to the Celtics' coach, the entire team played well and have lots of potential. Scorers in the loss were Galen Wilson, Jimmy Adam, Tim Jacobs, Brian Sweaney, Patrick Ross and Thomas Koelsch.



Intramural volleyball starts soon

There will be an organizational meeting for the 1991 Naval Weapons Center Intramural Volleyball League next Wednesday (Jan. 16). The meeting is set for 4:30 p.m. in the Morale, Welfare and Recreation Division Conference Room.

People interested in intramural volleyball competition are urged to attend.

Wednesday, Jan. 30, is the deadline for league entry and roster submission for Intramural Men's and Women's Winter Volleyball League. Fees must be paid at the time of entry. Eligibility cards are also required. League play begins Monday, Feb. 4.

For additional information, call Michelle Martin at NWC ext. 2334 or 2081.

Activities geared for beginners and experts

Need something to do during your free time? Bored with television? Need some strenuous exercise? Try Hall Memorial Lanes Bowling Center.

The Lanes offer a variety of activities for beginner bowlers to those who know the game.

Earn prizes while having fun during Blue Chip Stamp Bowling at 6 p.m. every Saturday night.

The King and Queen Bowling Tournament is held each Saturday at 1 p.m. Later this year, the winners of each week's competition will have a roll off to see who is crowned the NWC's Bowling King and Queen.

No-tap bowling is held each Friday evening at 6 p.m. All active duty and retired

military personnel, and their dependents, are invited to bowl between the hours of 11 a.m. and 5 p.m., Monday through Friday, for only 50 cents per line. This is a great time for those who haven't bowled before to get in some extra practice.

The manager of the lanes, Bill

Boothe, will be more than happy to offer whatever assistance he can to help make your bowling experience enjoyable.

Hall Lanes also has bowling equipment for sale. For more information about what Hall Memorial Lanes offers, call NWC ext. 3471.

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Try Shirley Meadows for skiing activities

Just in time for winter vacation fun, the mountains of Southern California have been covered with a blanket of sparkling white and winter sports enthusiasts are heading for mountain resorts.

If you're a cross-country or downhill skier or if you're looking for a weekend of family fun in an uncrowded area, try Kem County's Alpine ski area -- Shirley Meadows.

The groomed runs are served by a double chairlift and one rope tow. The family-oriented facility is open Friday through Monday and holidays, from Dec. through March, depending upon snow conditions. Call (619) 376-4186 for information on lift prices and current snow conditions.

To reach Shirley Meadows, simply take Hwy. 14 to Hwy 178 (the Lake Isabella turnoff). Upon reaching Lake Isabella, take Hwy 155 (north) to Wofford Heights and turn left on Evans Road to Greenhorn Summit. At the summit take Rancheria Road (south) to Shirley Meadows for a weekend in a winter wonderland.

The safety of skiers prohibits other snow play activities at Shirley Meadows, but several unmaintained forest trails are available for nordic skiers and snow vehicles. The Windy Gap and Shirley Loop trails follow unplowed roads and are available for cross-country skiers. Roads north of Greenhorn Summit are popular for snow vehicles.

Have fun, but remember to play it safe!

Ski equipment available from MWR

China Lakers are invited to enjoy the powder with downhill and cross country skis provided by the Gymnasium Gear Issue Office. Skis, poles, boots and even a ski rack can be rented at nominal fees.

To insure proper fit, ski fitting appointments may be made Monday through Thursday from 8 a.m. to 4 p.m. Appointments should be made 3 to 5 days in advance of the ski trip.

There is a standard \$20 deposit for skis, poles and boots, and a \$25 deposit for ski racks.

For information about rental rates, or to make a ski fitting appointment, call NWC ext. 6542.



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\$66 Package 2
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Sports

Gym reopens January 14

Volunteers needed to help move weight equipment

Get ready folks. In only four more days, the Naval Weapons Center Gymnasium will reopen. Starting at 8 a.m., gym patrons will enjoy limited use of the renovated facility. Racquetball and basketball players will once again be able to indulge in their sport, while patrons who use the weight room will enjoy the roomy atmosphere. The locker rooms and the lady's sauna will also be available.

Normal operating hours, starting Jan. 15, will be from 5 a.m. to 9:30 p.m., Monday through Friday; 8 a.m. to 6:30 p.m. on Saturday; and 12 noon to 6 p.m. on Sunday.

Patrons who have extended locker rental and/or membership can pick up new cards on Jan. 14.

According to Mona Alkhafi, Public Works Department customer relations officer, a sudden influx of emergency calls due to the cold weather (see related story on Page 8) necessitated the

removal of technicians working on the pool and hot water and steam lines. "As soon as the emergencies are dealt with," she said, "the technicians will be able to finish the few repairs still needing to be completed before these items can be used."

The weight room will be closed this weekend (January 11-13) so the equipment can be moved into the refurbished weight room.

The weight equipment will be moved from the gym annex to the renovated weight room this weekend, noted Alkhafi. Volunteers are needed on Jan. 11, 12 and 13 to help move the equipment. Anyone who would like to volunteer their services should call Michelle Martin at NWC ext. 2081.



FINAL INSTRUCTIONS--The Morale, Welfare & Recreation maintenance crew, consisting of (left to right) Tom Gill, Eric Lowe and Jim Cantrell, discuss some of the items still needing to be fixed before the reopening of the NWC Gymnasium on Jan. 14. The three men are standing in front of the new entrance to the refurbished building.
Photo by PH3 Cary Brady

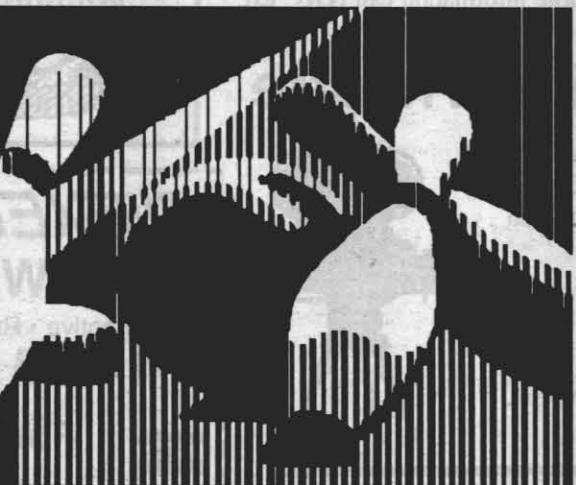
Hall Lane's bowling tournament raises more than 60 toys for local campaign

Gay Gallaker and Sandy De Sollar were the winners in Hall Memorial Lanes' Toys For Tots Bowling Tournament. Gallaker bowled a 634, while De Sollar rolled a 639. Both players took home a Bob Cat bowling ball.

Duke H. Tran and Mary Hayes each took home Endicott Johnson bowling shoes for their second place finish. Tran scored 630, while Hayes hit the 634 mark.

Scott Rogala and Karen Schortzman took third place with a score of 601 and 625, respectively. The third place prize was a Hall Lanes jacket.

With approximately 40 people participating in the tournament, Hall Memorial Lanes was able to donate more than 60 toys to the Toys for Tots Campaign.



Starting hours can vary at NWC Golf Course



Due to diverse temperatures during the winter months, NWC golf course hours will vary. The director of golf and the course superintendent have the sole responsibility of deciding if the course is ready for play. The course *will not open* while the greens are still frozen. Customers are encouraged to call the Pro Shop, which opens at 6:30 a.m.,

to find out the approximate time the course will open.

During winter, weekend tee times are 9 a.m. and 1 p.m. Shotgun starts are used to get the most out of the shorter, colder hours. Tee assignments can be obtained by calling NWC ext. 2990 on the Thursday before the weekend, starting at 7 a.m.

Government Employees Benefit Association (GEBA) China Lake Mutual Aid Society (CLMAS)

These two organizations have been the fastest paying of death benefits for many years. The Board of Directors recently authorized two major changes to become effective on January 1, 1991: First, increased the assessment from \$1.80 to \$2.00 and the death benefit payment from \$1,500 to \$2,000; Second, approved military personnel assigned to Naval Weapons Center and its attached activities to be eligible for membership. Previously and still eligible were NWC civilian employees; Sierra Sands Unified School District; NWC Community Federal Credit Union; Kern Schools Federal Credit Union; U.S. Post Service (IWW area); and employees (living in the local area) of companies having contracts with NWC. The spouses of all the above are also eligible. For an application or further information, call W.E. "Bill" Davis, phone 375-2129.

Fly tying class offered

Starting Jan. 15, the Aquabonita Flyfishers are offering a fly tying class at Grace Lutheran Church (located on the corner of Norma and Las Flores). Classes will meet on Tuesday and Thursday evenings through March 7. The sessions start at 7 p.m., with the first meeting providing information on class structure, schedule, fees, etc.

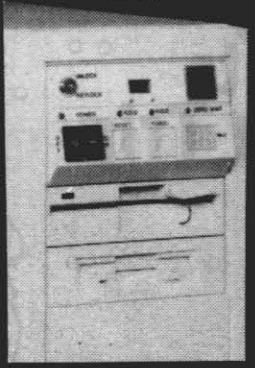
The class is open to all interested parties. Tying tools are available from the club for use during the class and materials will be available for purchase.

To indicate interest in the class or for further information, call 375-5810.

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CFMTP: NWC takes advantage of NAVCOMPT's program to train financial professionals

Tired of being in a dead end job? Would you like a career with professional advancement and development to ensure mutual achievement of organizational and employee goals? If so, check out the Department of the Navy's Centralized Financial Management Trainee Program (CFMTP), also known as the NAVCOMPT Training Program.

Established in 1972 by the Office of the Comptroller of the Navy, CFMTP hires a select group of entry level accountants, auditors and budget analysts for a two-year developmental training program -- leading to responsible decision-making positions in financial management. The program develops financial managers who possess a broad background of experience in several facets of resource management and provides a source to meet future staffing needs.

Each year, this Navy-wide program hires approximately 120 trainees who undergo two years of professional development through on-the-job training in centers throughout the United States. Emphasis is on practical work experience with some formal classroom studies. Training includes on-the-job rotational tours at the assigned field activity, at other organizations and at the system headquarters.

A budget analyst participates in the formulation, presentation and execution of budgets, while an accountant works on a project or team basis to maintain continual fiscal control. An auditor verifies that program execution conforms with applicable laws and regulations.

The Naval Weapons Center

has been participating in this program for a number of years, noted Nancy Saxton, training coordinator in the Office of the Comptroller. Currently, the Center has 10 employees who have completed the training program and have another two who will graduate in June. The two trainees are Jeff Knutson and Maria Bridgeo. The Center usually sponsors two trainees per each two-year training program. With Bridgeo and Knutson graduating from the program in June, NWC will have openings for two more trainees for the next two-year program, Saxton noted.

An accountant trainee, Knutson recently returned from his Washington, D.C. rotation. "The purpose of this training," he explained, "is to help us understand headquarter's role in the financial management system for SPAWAR labs."

Knutson, who has an accounting degree from Bethel College, Minn., wanted to work for the government and placed his name on the federal accountant register. He was called and asked if he would like to take part in the program. As one of his top three choices out of the 30 different activities available, he was assigned to China Lake to complete his training.

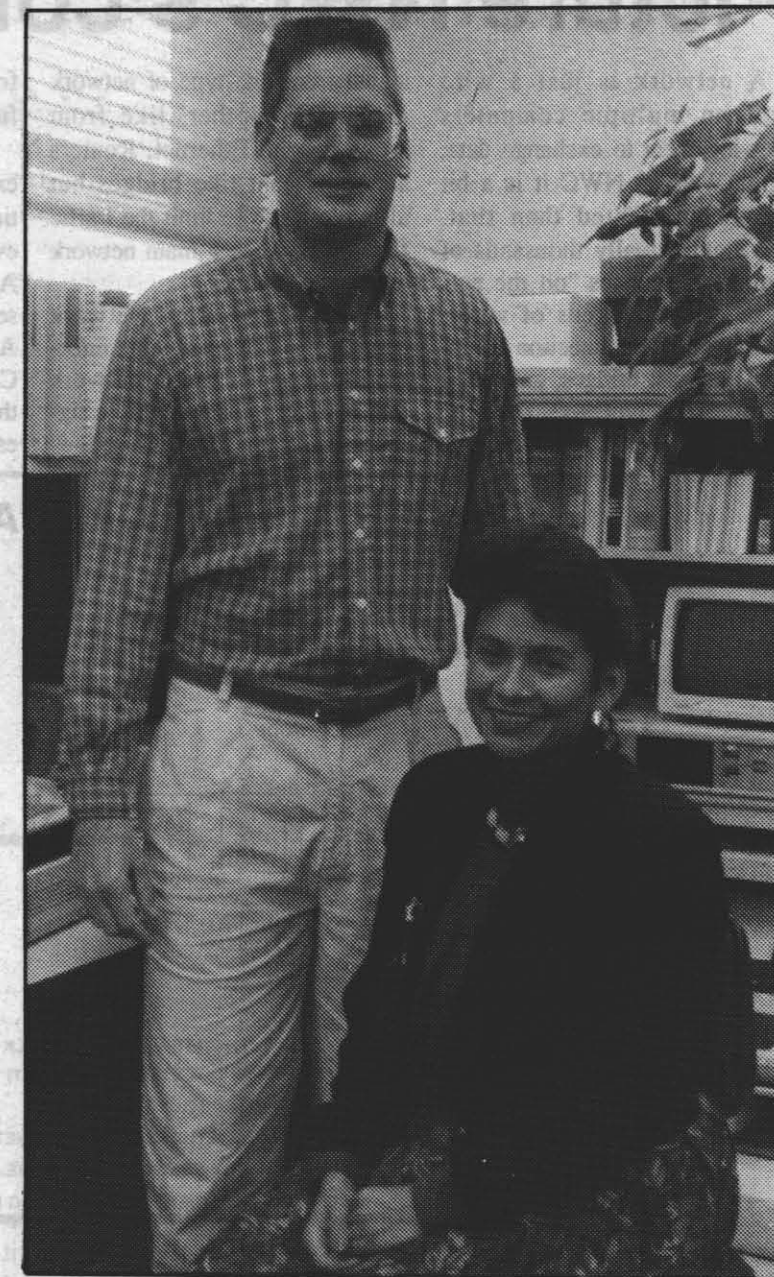
Bridgeo learned about the program from her supervisor while working at the Naval Supply Center, Pensacola, Fla. With a Bachelor of Science Degree in Economics (with an emphasis in Accounting) from Wharton School of Business, Penn., Bridgeo also chose China Lake as one of her top three choices. Training to become a budget analyst, she

has completed tours in the Office of Comptroller (Code 28), Information Systems Group, Procurement Department, Air Test & Evaluation Squadron Five, Marine Aviation Detachment and the Attack Weapons Department.

"The rotational assignment is an opportunity for the trainees to understand the mission of the Center, and the role support codes play in sustaining that mission," noted Marilyn Ball, a budget analyst in the Office of the Comptroller who graduated from the program last August. "The tours at other organizations give us the opportunity to observe different management styles at different facilities, while the headquarters assignment offers an us a chance to work with financial submissions from the seven research, development, test and evaluation (RDT&E) labs that report to SPAWARs. The pace of the program is extensive, but offers many opportunities for growth. Ball was a budget analyst at NWC when she applied to the program as a way of improving her career opportunities.

Those who are hired begin employment at the GS-5 level, progress to the GS-7 level after one year and are eligible for the GS-9 level after the second year. Individuals meeting the Outstanding Scholar criteria may be hired at a GS-7 level and progress to a GS-11 level over the two-year period. Naturally, advancement is predicated upon fully successful performance at each level.

Accept the challenge! Plan for a future and start on a new career path today!



GETTING A JUMP ON THEIR CAREERS -- Jeff Knutson and Maria Bridgeo are the two NWC trainees in CFMTP. They will graduate in June.

Overview of CFMPT available at special brief planned Jan. 15

Learn more about the Department of the Navy's Centralized Financial Management Trainee Program (CFMPT), also known as the NAVCOMPT Training Program, at a special briefing, 3 p.m. on Jan. 15 at the Training Center. An overview of CFMPT will be given and participants will be given the necessary information needed for applying to the program. Graduates and current trainees will be on hand to answer questions and explain how the program has helped them. Anyone interested who can't attend the briefing, can call Saxton at NWC ext. 3622.

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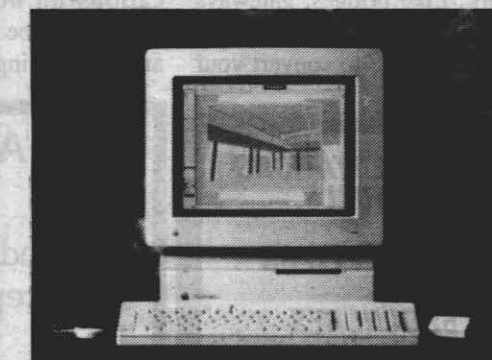
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Picture NWC's corporate computer nets

A network is just a wire between multiple computers allowing them to exchange data, right? Well, at NWC it is a bit more complicated than that. There are actually thousands of computing devices "on the network" plus hundreds of wires, cables and interconnection equipment such as: bridges, gateways, multiplexers, repeaters, converters, terminal servers, and routers.

signal from one type of network format to another, like from AppleTalk to Ethernet. Routers act somewhat like bridges but also allow one to limit the traffic flowing between a main network and a subnetwork.

Multiplexers allow network operators to compress more information along a single network link in order to have multiple signals share the available band-

width. Repeaters boost the signal if it is being sent over distances greater than a few hundred yards. Converters change the signal going across the network so as to take advantage of the different types of media (fiber, coax, twisted pair) used in that area. All these devices have specific applications on our NWCNet. All these must be working together and functioning properly in order

for the network as a whole to function properly. The drawing gives you an example of a network configuration you may be utilizing and not even realize it. Say you are on an AppleTalk network and wish to send mail to a device on another AppleTalk network across the Center. First, your data goes through a gateway onto the nearest Ethernet coax segment. Then

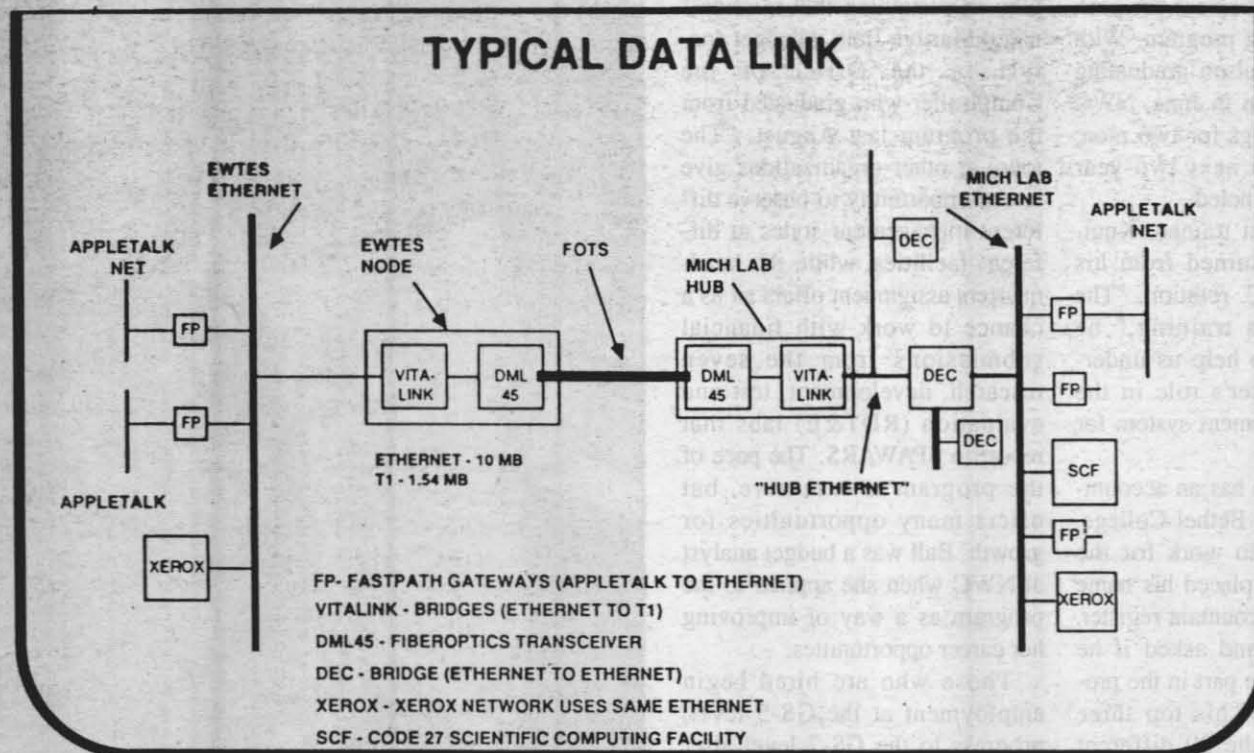
another gateway from coax to AppleTalk. If the end recipient's network is not nearby, then a repeater and perhaps another bridge or two might be involved.

Thus there are hundreds of points of possible failure on the network. This means there are lots of diverse products in isolated places which have to be kept working in order for your network link to be working. The eas-

before they affect the users. Other problems can be isolated and repaired as soon as the failure occurs. There are still a few problems that take hours of investigative research. The latter is partly due to the fact that many users of the NWCNet install or have installed their own equipment without registering it with the Network Management Center (NMC). This makes problem caused by device failures hard to track. Difficulty is increased because network management technology has not kept up with network connection technology.

Each network management tool is only capable of monitoring a few types of equipment at this time. Multiple network management tools are necessary to monitor a network as large and diverse as ours. The Network Management Center has several different types of equipment with which to monitor and manage the NWC-Net. An Integrated Communications System Interface Guideline document exists which recommends network equipment and standards that will be compatible with NWCNet. By purchasing common equipment, we can make use of existing network management tools without having to buy new ones and train new people. For a copy of this guide call NWC X3358 or X3467. To register a new device or check to see if an existing device is registered you can call the NMC at NWC X6661.

Now, next time you are caught in a traffic jam on the network you can picture all the hurdles involved in getting from here to there. *From Code 2711*



The purpose of this article is to paint a picture of this complexity.

The purpose of bridges is to connect individual networks together. They need to be open enough to let all types of data pass through, but smart enough to warn us when something is wrong with the operation of the network. Like bridges, gateways connect networks but also have extra intelligence to convert your

width. Repeaters boost the signal if it is being sent over distances greater than a few hundred yards. Converters change the signal going across the network so as to take advantage of the different types of media (fiber, coax, twisted pair) used in that area. All these devices have specific applications on our NWCNet. All these must be working together and functioning properly in order

it travels across this segment to the nearest Fiber Optic Trunk System (FOTS) connection (node). There it goes through a bridge and a multiplexer and then onto the fiber optic cable itself. When it gets to the remote end of the fiber cable, it goes through another multiplexer (demultiplexer) and another bridge. Then, provided the end recipient's network is nearby, the data goes through

the nearest Fiber Optic Trunk System (FOTS) connection (node). There it goes through a bridge and a multiplexer and then onto the fiber optic cable itself. When it gets to the remote end of the fiber cable, it goes through another multiplexer (demultiplexer) and another bridge. Then, provided the end recipient's network is nearby, the data goes through

With the right equipment in the field and the right network management tools, some problems can be found and fixed

Learn how to be creative! Part-time child care still offered at NWC



Learn how to create your own dry flower arrangements, the techniques of fine woodworking, how to make a mop doll and/or how to make beautiful ceramic items. Instruction is also available in leather working and tole painting. Craftech has a variety of craft classes available to satisfy the needs of the artistically inclined as well as those who have never tried crafts before.

For more information about the classes being offered, their dates and times, as well as their costs, call the Craftech Center at NWC ext. 3252.

MAMA!--Craftech is now offering Mop Doll classes. Learn how to make your own. Class dates, times will be established after a full class of students have enrolled. Call NWC ext. 3252 for more information.

NWC's Children's Centers will continue to offer care for children on a part-time basis. Drop-in care will be expanded, using spaces of full-time care children who are not in attendance for that day.

Part-time care rates are as follows:
 •Infant through 2 years of age -- \$1 per hour for military; \$2 per hour for DoD.
 •Preschool -- \$1.50 per hour for military, \$1.75 per hour for DoD.
 Lunches and snacks are served to all children. If your child is at the Children's Centers during lunch or snack time, an additional charge of \$1.50 for lunch or 50 cents for a snack will be accessed.

For drop-in information, call one of the following numbers:
 •0-18 months of age -- NWC ext. 2168, Shirley
 •18-36 months of age -- NWC ext. 2653, Laura
 •3 years old -- NWC ext. 2735, Jo
 •4 years old -- NWC ext. 2422, Bonnie.
 To reserve a space for your child, call Patti at NWC ext. 3171. Make use of this great service and know your children are in good hands.
 If you need child care for school-aged children before and after school hours, or for in-service days and holiday breaks, Youth Activities has the ability to fill your need. Just call the Movin' On Up supervisor at NWC ext. 2076.

Disneyland salutes military personnel

Craftech now has especially low-priced Disneyland tickets for military (active duty and retired) and DoD personnel and their dependents. The discount tickets are only \$16.75 per person from Jan. 12 to March 3. The regular price is \$27.50 for adults. One-day passports will be accepted on Saturdays until Jan. 31. Don't miss this military salute and this special military price. For more information call NWC ext. 3252.

Matinees scheduled at Station Theatre

Following are the January Afternoon Matinees offered by the Morale, Welfare & Recreation Division. Shows start at 2 p.m. in the NWC Station Theatre. Cost is \$1 for children 7-12 years of age and \$2 for those 13 years old and older. Children six and under are free.

- Jan. 12 -- All Dogs Go To Heaven
- Jan. 19 -- Pete's Dragon
- Jan. 26 -- Land Before Time

For more information about the shows, call the Youth Center at NWC ext. 2909.



Do you really need another reason to sign up?

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Barstow, CA

January 19th, '91

- Bus will seat 49 people
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- Depart-8 a.m. Return-5 p.m. (from Craftech Center)
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- Identification Card Required

Registration Deadline-January 17th
 Military \$8.00 per person
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For Information call CRAFTECH, 939-3252

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JEWELRY JOTTINGS

by Alex Topar & Mary Frost
 Graduate Gemologists

Beautiful red garnets are the birthstone for January. Dishonest people have been known to call them "Cape Rubies" or other misleading names so they could be sold at exorbitant prices.

If you don't know jewels, know your jeweler! Jewelry is the perfect gift. We have a fine selection of engagement sets, plus diamonds we can set for you, as you please. See them soon.

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NAF staff benefits from 'portability'

Civil Service transfer possible without losses

WASHINGTON--Congress passed long-awaited non-appropriated-fund civilian portability benefits legislation in the waning hours of fiscal 1991 budget negotiations.

The legislation applies to all non-temporary employees who move between non-appropriated fund and appropriated fund, or civil service, positions within DoD and the Coast Guard. It means these workers retain their pay, sick and annual leave and retirement benefits when they move between the two systems, said Carl Burghardt, director of DoD's Non-appropriated Fund Policy Office.

The legislation is retroactive to Jan. 1, 1987. Before passage of the new law, movement between the two personnel systems was fairly limited, noted Burghardt. System switchers had to give up what many considered too much: sick leave, retirement pensions and health and life insurance benefits.

"The legislation helps more than just the roughly 6,000 NAF employees currently moving to appropriated fund employment and the 2,000 going the other way," said the NAF personnel director. "All civilians will now have more jobs to apply for, and DoD benefits because it's going to get a larger source of qualified applicants from which to choose."

DoD currently has some 200,000 non-appropriated fund employees and about 900,000 appropriated-fund workers. NAF employees often work within the military morale, welfare and recreation area. Typical jobs include librarians, physical fitness experts, exchange and commissary cashiers and family service specialists.

Perhaps the most significant roadblock career DoD employees faced in considering a change of systems revolved around retirement benefits. The new law gives the worker a choice of retaining membership in the plan of the losing organization or starting from scratch with the gaining one with no transfer credit.

Bart Kuhns, chief of the NAF Personnel Management Division, said only vested profits are portable. "An employee must be vested in the plan of the losing organization in order to retain

membership in it, he said. "That simply means employees must participate in a plan 'X' number of years before they're eligible to receive benefits. For example, in the civil service retirement system, employees must participate for five years before they're vested."

DoD civil service and non-appropriated fund employees who leave their plans without vesting are entitled to their own contributions, but not their agency's matching dollar contributions.

Kuhns said non-appropriated-fund retirement plans are comparable in benefits to the civil service plans. He advised employees to consult with their local personnel offices for detailed information.

Kuhns and Burghardt agreed that employees who have switched systems since Jan. 1, 1987, or who are about to, should compare plans carefully. Once an employee chooses, that's it -- the law won't permit anyone to make a subsequent choice, they warned.

Employees moving between non-appropriated fund and civil service systems now have 30 days to decide which plan to choose. Those who moved between Jan. 1, 1987, and Nov. 4, 1990, have until May 3, 1991, to choose systems, said Kuhns. Choices are retroactive to the date of the change of employment system.

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Spring 1991
Regular Registration

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New and Continuing Students - (By Appointment Only)
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New Student Orientation & Registration - (By Appointment Only)
January 8 ... 1:00 p.m.
January 9 ... 5:00 p.m.
January 10 ... 5:00 p.m.

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January 11 ... 8:00 a.m. to 3:00 p.m.

Register Early, For Best Class Selection!
Spring Classes Begin January 14, 1991

For more information and registration appointment, call 375-5001.

Seabees lend helping hand



TREE CHIPPING SEABEES--Naval Weapons Center residents who dropped off their used Christmas Trees at the NWC/ City of Ridgecrest tree recycling center, were helped by members of Reserve Naval Mobile Construction Battalion Detachment 0217, China Lake. The Seabees used an NWC tree shredder to turn Christmas Trees into mulch material. Providing assistance to the project, sponsored by NWC's Environmental Project Office and the City of Ridgecrest were EOC Jim Nelson, CE2 Joe Williams, MS1 Larry Redfern and CM2 Doak Cotter of the China Lake detachment. More than 2,200 trees were dropped off at the Kerr-McGee Field and converted to wood chips. Also taking part were the Housing Office, Contract Surveillance Branch, and Johnson Controls (formerly Pan Am) World Services.

Photo by PH3 Cary Brady

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Pool Deck Tanning • Basketball Court

NIMIC has NWC connections

(Continued from Page 1)

of filling post descriptions for the NIMIC staff." A second MoU for the permanent NIMIC phase was signed and the facility is scheduled to open May 1, at NATO Headquarters in Brussels. The staff will include a project manager, four technical specialists, one information specialist, an information technician and a secretary. The technical staff will be drawn from disciplines covering the broad safety and insensitive munitions range, allowing them to work as a team to solve scientific problems posed by project member nations striving for compliance with safety and IM requirements.

Design solutions generally involve the suggested use of less sensitive energetic materials, incorporation of mitigating devices integral to the munitions design or mechanical devices external to the munition to protect it from a hostile environment. Any solution, however, must allow the munition designer to retain the necessary performance characteristics and storage capability while achieving an acceptable level of insensitivity.

NIMIC, acting as an information and analysis center and governed by the MoU, grants access to NIMIC data and analysis services by participating nations on a need-to-know-basis. Access by non-participating nations must be unanimously approved by the NIMIC steering committee. Canada, Denmark, France, the Netherlands, the United Kingdom and the United States are participating in the multinational project.

"The insensitive munitions initiative is very important to the Navy as well as other services. As pilot NIMIC closes, we're losing the only focal point for IM within the three services in the United States," commented Derr, "when the dust settles the permanent NIMIC will be moved to Brussels, but the U.S. NIMIC, similar to the pilot facility formed in Maryland, is planned to be represented at NWC!" The U.S. tri-service Inensitive Munitions Coordination Committee has decided to create a U.S. Inensitive Munitions Information Center and China Lake is the leading candidate for hosting this activity. The information center will represent all services within the Department of Defense.

"This is wonderful opportunity for the Center!" commented Derr, "having the U.S. Inensitive Munitions Information Center at China Lake will promote interactions between the Naval Weapons Center and other DoD/industrial laboratories working in technological areas related to insensitive munitions." Derr and Ripley-Lottee foresee the information center creating two pillars of knowledge. One, the wealth of information, collected technology and papers available for future questions and two, key personnel who conduct preliminary analysis, give advice and feedback to those people with questions concerning IM. The long term objective of both the U.S. and NATO

information centers is to have technical specialists who are professionals that analyze the kinds of questions posed and give solid technical assessments.

"When you realize the breadth of the ordnance expertise in the U.S. and other NATO nations, you have to perceive how good the NIMIC and U.S. Inensitive Munitions Information Center will be for the Navy, other services, and the Center!" said Derr.

NEX plans big appreciation sale

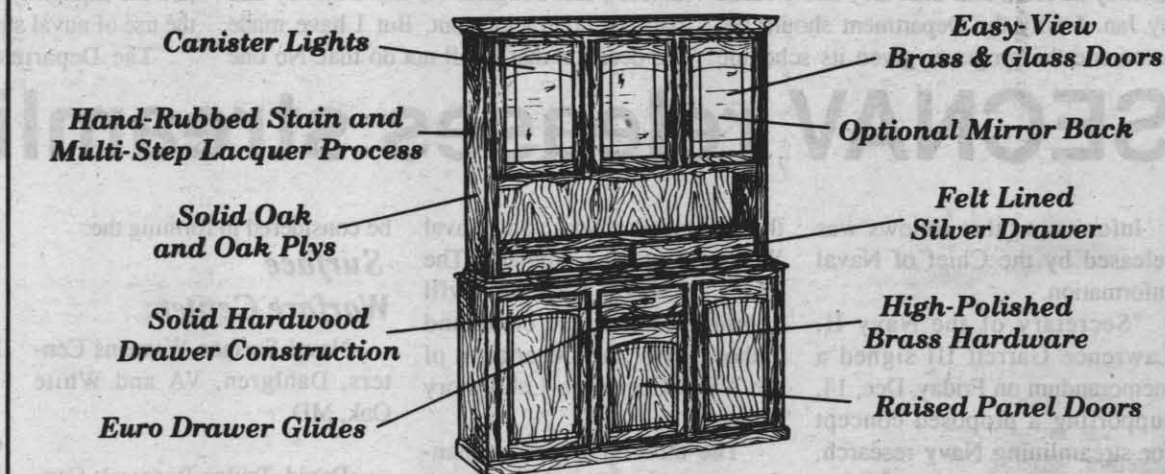
Navy Exchanges (NEX) are kicking off 1991 with a special customer appreciation sale from Jan. 15-20. The Stock Up & Save Sale features substantial savings on a wide range of health and beauty products, household products and small appliances.

Sale prices are being featured on quality items in every department, including activewear for the whole family, electronics and housewares. Superior savings of 20 percent off regular low prices are being offered on all NEX brand health and home air products. Special values are being offered on a select group of brand name products as well.

The sale circular showing all the items offered at special prices is available at the Naval Weapons Center Navy Exchange. Pick up a sale circular today for savings through the NEX.

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Washington Scene

Secretary Cheney cancels A-12 program

New aircraft was planned as a follow-on to the A-6E Intruder carrier-based attack plane

Following is a Jan. 7 news release by the Office Assistant Secretary of Defense (Public Affairs), Washington, D.C.

"The U.S. Navy notified General Dynamics and McDonnell Douglas today that it has terminated its contract with those companies for the A-12 carrier-based aircraft program.

"The Navy action, terminating the contract for default, is based on the inability of the contractors to design, develop, fabricate, assemble and test A-12 aircraft within the contract schedule and to deliver an aircraft that meets contract requirements.

"On Dec. 14, Defense Secretary Dick Cheney directed that the Navy show cause by Jan. 4 why the Department should not terminate the program, given its schedule

slippage, cost growth and management deficiencies.

In response to the Secretary's December order, Donald Yockey, the Deputy Under Secretary of Defense for Acquisition, Gerald Cann, Assistant Navy Secretary for Research, Development and Acquisition, and other senior Pentagon officials met with representatives of the contractors to discuss program options. In a Jan. 5 meeting at the Pentagon, they told Secretary Cheney that the only way to preserve the program would be to restructure the contract and provide additional funding.

"This program cannot be sustained unless I ask Congress for more money and bail the contractors out. But I have made the decision that I will not do that. No one

can tell me exactly how much more it will cost to keep this program going. And I do not believe a bailout is in the national interest. If we cannot spend the taxpayers money wisely, we will not spend it," Cheney said today.

"My decision against a bail out is solely in response to the problems with the current program. We will still need to develop a next generation strike airplane for our aircraft carrier force to replace the aging A-6 aircraft. Stealth technology will be required if attack aircraft are to elude advanced fighters and surface-to-air missiles in the future. The U.S. needs to maintain the capability to project power through the use of naval strike forces," he said.

"The Department of Defense will be

considering alternatives to the A-12 program to meet future needs for carrier aircraft, but no decisions have been made.

"The A-12 contract, signed in January 1988, requires the contractor team to build eight research and development planes under the full scale development phase for a fixed price of no more than \$4.8 billion. But the Department estimates the full scale development phase of the contract, were it to proceed, could cost over \$7.5 billion.

"The contract also called for six airplanes to be built in the first production lot, at a cost of no more than \$1.2 billion, and \$200 million for long lead funding for eight aircraft in lot two. The Department had planned to buy a total of 620 A-12 aircraft over the life of the program."

SECNAV releases streamlining concept

Information that follows was released by the Chief of Naval Information.

"Secretary of the Navy H. Lawrence Garrett III signed a memorandum on Friday, Dec. 14, supporting a proposed concept for streamlining Navy research, development, test and evaluation activities. This concept is part of a Department of Defense management initiative designed to strengthen RDT&E.

Four warfare centers and streamlined lab structure

"The Navy concept aims at strengthening management of the RDT&E structure, taking advantage of efficiencies, eliminating unwarranted duplication and considering performance of some functions under tri-service management. The concept includes creating four warfare centers and streamlining the Navy Corporate Laboratory Structure.

"Under the concept, a newly constituted Air Warfare Center will report to the Commander, Naval Air Systems Command; a new Undersea and Surface Warfare Center will report to the Commander, Naval Sea Systems Command; and a Command, Communications and Ocean Surveillance Center will report to

the Commander, Space and Naval Warfare Systems Command. The Chief of Naval Research will continue to exercise command authority over the Department of the Navy Corporate Laboratory Structure.

"The three systems commanders and the Chief of Naval Research have been directed to prepare detailed plans for submission to the Secretary of the Navy by mid-April (1991) to restructure the RDT&E organizations and functions.

"The following activities will be considered in forming the:

Air Warfare Center:

- Naval Weapons Center, China Lake, CA
- Naval Air Development Center, Warminster, PA
- Naval Air Test Center, Patuxent River, MD
- Pacific Missile Test Center, Pt. Mugu, CA
- Naval Air Engineering Center, Lakehurst, NJ
- Naval Ordnance Missile Test Station, White Sands, NM
- Naval Avionics Center, Indianapolis, IN

"The following activities will

be considered in forming the:

Surface Warfare Center:

- Naval Surface Weapons Centers, Dahlgren, VA and White Oak, MD
- David Taylor Research Centers, Carderock and Annapolis, MD
- Fleet Combat Direction Systems Support Activity, San Diego, CA
- Naval Ship Weapons Systems Engineering Station, Pt. Huene, CA
- Naval Ship Systems Engineering Station, Philadelphia, PA
- Naval Weapons Support Center, Crane, IN
- Naval Ordnance Station, Indian Head, MD
- Integrated Combat Systems Test Facility, San Diego, CA
- Naval Coastal Systems Center, Panama City, FL
- Naval Mine Warfare Engineering Activity, Yorktown, PA

"The following activities will be considered in forming the:

Undersea Warfare Center:

- Naval Sea Combat Systems Engineering Station, Norfolk, VA
- Naval Underwater Systems Centers, Newport, RI, and New London, CT
- Naval Undersea Warfare Engineering Station, Keyport, WA
- Naval Electronic Systems Security Engineering Center, Wash, DC
- Naval Space Support Activity, Los Angeles, CA

"The following activities will be considered in streamlining the: **Navy's Corporate Research Laboratory Structure:**

- Naval Research Laboratory, Wash, DC
- Naval Oceanographic, Atmospheric Research Lab, Bay St. Louis, MS
- Naval Electronic Systems Engineering Center, Charleston, SC
- Naval Electronic Systems Engineering Center, Portsmouth, VA
- Naval Electronic Systems Engineering Center, San Diego, CA
- Naval Electronic Systems Engineering Center, Vallejo, CA
- Naval Electronic Systems Engineering Activity, St. Inigoes, MD

"The following activities will be considered in forming the:

- Naval Electronic Systems

Clodt, 13 others saluted for safety efforts

(Continued from Page 1)

Gene Allen to Clodt, who for the past 14 years has served as firing officer on tests from small-scale research items to full-scale tests. Such projects included Protective Antipenetration Systems; Damage Resistant Runway Studies, Airblast in Tunnel Systems, Sandia Penetration Tests, Weapons Effects Against Radar Vans, Concrete Frag Effects Studies, Burster Slab Penetrator Tests, and Cast Iron Bombs; just to name a few. Clodt also coordinated programs for tri-service, NATO, international organizations, local departments, divisions and branches.

Clodt contributed his award to "good firing officers."

"In December of 1983, the first firing officer awards were presented. The firing officer awards provides a continuing program on a regular basis of recognition for safe operations while working with ordnance," stated Parris. To recognize outstanding performance, the Kit Skaar Award is presented annually. Additionally certificates of commendation are awarded to firing officers for each five years of safe operations.

This year the Kit Skaar Award was presented by NWC Chief Staff Officer, Capt.

Clodt contributed his award to "good teamwork and a hell of a good group!" as he accepted the award with a smile.

Other firing officers recognized for continuous safe performance were:

- Stephen A. Finnegan (Code 3894), William J. Ledden, Jr., (Code 6214), and Kenneth E. Seaman, Jr., (Code 6223) for fifteen years; and Robert D. Ambre (Code 3182), Alice I. Atwood (Code 3891), Charles L. Beach (Code 3211), James H. Miller (Code 3266), and Robert A. Weinhardt (Code 3213) for ten years; and Michael Charlton (Code 6211), Mikal O. Gray (Code 3182), Milledge R. Mathews (Code 3182), Robert P. Rose (Code 6421)

and Robert A. Smith (Code 3892) for five years.

Capt. Allen addressed the assembled audience of firing officers, their friends, families and co-workers, commenting on the evolution and success of the Center's program.

Parris closed the ceremony with a reminder that "we are challenged now to continue to produce quality products for the fleet. The training provided personnel, careful preparation and an adherence to operating procedures, and overall safety of our firing operations must continue to be done as well as in the past."

Derr addresses Navy League group

Dr. Ron Derr, head of the Naval Weapons Center's Research Department, will discuss the mission of the department, its unique role in the Navy Laboratory system, and specific examples such as propulsions and sensitive munitions at the Indian Wells Valley Council of Navy League's monthly meeting Jan. 17.

Social hour begins at 6 p.m. at the Carriage Inn; dinner at 7 p.m. Call 375-7859 for reservations by Jan. 15.

ESB offers scrap lumber for firewood

In an effort to raise money, the Employee Services Board's (ESB) contract recycling organization, the Indian Wells Valley Association for Retarded Citizens (ARC), is recycling scrap lumber as firewood. Two formats are available for purchase -- small boxes with a few pieces suitable

for a normal evening's fireplace use and pallets carrying stacks 48"x48"x48".

The boxes are priced at 50 cents each, while the pallets are \$12 each, or two for \$20. The pallets are ready for pick-up at Warehouse 1063; the boxes are available at the warehouse and

the ARC facility at 216 N. Gold Canyon Road.

For more information, call the ESB recycling center at NWC ext. 2522, the recycling personnel beeper at 375-0901 or the ARC administrative office at 375-9787.

Shoemobile visits Center Wednesday

On Wednesday, the Shoemobile will be in the parking lot of Building 01474 (Maintenance Utilities Division, Public Works Compound) near the intersection of Inyokern and Knox roads.

Civilians and military personnel may purchase safety shoes, gloves and related items from the ESB-sponsored mobile unit.

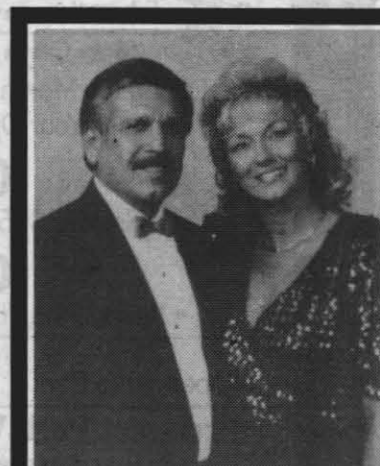
Savings Bond interest rate changes

China Lakers who purchase U.S. Savings Bonds on a regular basis should note a change in the interest rate. The semiannual market-based interest rate for Series EE Bonds issued between Nov. 1, 1990 and April 30, 1991, is 7.19% for their initial semiannual interest period. The current minimum rate is 6% for bonds held at least five years.

Future rates at redemption will reflect changes in the cumulative rate.

Series EE Savings Bonds purchased since November 1, 1982, and held five years or longer earn the average of semiannual market-based rates during the holding

period (rounded to the nearest quarter percent for those issued through April 1989) or the minimum rate in effect at the time of purchase, whichever is higher. The minimum rate is subject to change for future issues if market conditions warrant.



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Avoid misuse of official vehicles

Increasing incidents of unauthorized use of government vehicles particularly at lunch time at various fast food restaurants throughout the Navy is causing officials to take notice.

According to SECNAVINST 11240.17B "any officer or employee of the government who willfully uses or authorizes the use of any government owned passenger motor vehicle for other than official purposes shall be suspended from duty by the head of the department concerned, without compensation, for not less than one month, and shall be suspended for a longer period or summarily removed from office if circumstances warrant." When referring to government vehicles the instruction includes sedans, trucks (panel, pick up, flatbed, stake) and vans (passenger or step). When referring to officer or employee of the

government the instruction includes all military and civilian employees.

The instruction also includes trips to hotels, clubs, restaurants, other places of public entertainment, or residences as unauthorized for government use unless such trips can be unquestionably justified as necessary for official business. In a few cases a driver is technically justified in stopping for lunch. However, in deciding all these instances, common sense, which considers the public appearance or perception of wrongdoing, must prevail. Strict compliance is the rule and a liberal interpretation will not apply.

The above is a reprint of a recent Naval message to all Navy personnel in the Naval District, Washington, D.C., area. The regulations apply to all of us at the Naval Weapons Center.

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