

Federal employees see 4.2% raise on next check

DA/DS				DIP						
A	1	2	3	A	1	2	3	4	5	
1	11478	17686	26798	32423	11478	17686	26798	38861	54607	77080
2	11793	18166	27378	33213	11793	18216	27518	39786	55867	78835
3	12108	18646	27958	34003	12108	18746	28238	40711	57127	80590
4	12423	19126	28538	34793	12423	19276	28958	41636	58387	82345
5	12738	19606	29118	35583	12738	19806	29678	42561	59647	84100
6	13053	20086	29698	36373	13053	20336	30398	43486	60907	85855
7	13368	20566	30278	37163	13368	20866	31118	44411	62167	87610
8	13683	21046	30858	37953	13683	21396	31838	45336	63427	89365
9	13998	21526	31438	38743	13998	21926	32558	46261	64687	91120
10	14313	22006	32018	39533	14313	22456	33278	47186	65947	92875
11	14628	22486	32598	40323	14628	22986	33998	48111	67207	94630
12	14943	22966	33178	41113	14943	23516	34718	49036	68467	96385
13	15258	23446	33758	41903	15258	24046	35438	49961	69727	98140
14	15573	23926	34338	42693	15573	24576	36158	50886	70987	99895
15	15888	24406	34918	43483	15888	25106	36878	51811	72247	101650
16	16203	24886	35498	44273	16203	25636	37598	52736	73507	103405
17	16518	25366	36078	45063	16518	26166	38318	53661	74767	105160
18	16833	25846	36658	45853	16833	26696	39038	54586	76027	106915
19	17148	26326	37238	46643	17148	27226	39758	55511	77287	108670
20	17463	26806	37818	47433	17463	27756	40478	56436	78547	110425
21	17778	27286	38398	48223	17778	28286	41198	57361	79807	112180
22	18093	27766	38978	49013	18093	28816	41918	58286	81067	
23	18408	28246	39558	49803	18408	29346	42638	59211	82327	
24	18723	28726	40138	50593	18723	29876	43358	60036	83587	
25	19038	29206	40718	51383	19038	30406	44078			
26	19353	29686	41298	52173	19353	30936	44798			
27	19668	30166	41878	52963	19668	31466	45518			
28	19983	30646	42458	53753	19983	31996	46238			
29	20298	31126	42948	54543	20298	32526	46958			
30	20551	31543	43363	55233	20551	33056	47557			
31						33586				
32						34116				
33						34646				
34						35046				

THE ROCKETEER

NAVY AIR WEAPONS STATION, CHINA LAKE THURSDAY, JANUARY 16, 1992

Top firing officer wins Skaar honor

By Barry McDonald
Editor

Following the guidelines of keeping it short and to the point, in accepting the 1991 Kit Skaar Award for outstanding performance as a firing officer, Kenneth E. Seaman Jr. said, "I really appreciate this...I'm totally surprised. I want to thank those who wrote up the nomination. Thank you."

The Ninth Annual Firing Officers Awards Ceremony played to a packed house last Thursday afternoon in Michelson Laboratory's Auditorium 1000D.

Director of Safety and Security Roy Parris, emceeding the event for the sixth time, welcomed the crowd and set the stage with the history of the Firing Officer Program.

Now in its 18th year, Parris said, there has not been a serious accident or fatality in 17 of those years.

"Firing officers are trained, experienced personnel, selected and certified by their departments to be responsible for the safe and effective conduct of firing operations," he said. These could involve from thousands of pounds of explosive down to gram quantities, detonations of large numbers of ordnance items and firings of large missiles to small cartridges. "Good safety principles must be applied in all these firings," he stressed.

The motivation for the program, he said, was a history of severe accidents during ordnance firings, culminating in the death of two people in late 1972. The program was established the following spring under the leadership of Kit Skaar, then head of the Safety Department.

There have been twenty-two firing officer safety training classes with a total of nearly 500 students. Approximately half went on to become firing officers.

Please see **SKAAR** Page 9



HARM FIRING — A Navy F/A-18 fires a High-Speed Anti-Radiation Missile at a simulated threat.

China Lakers made several contributions to air battles

By Matt Anderson
Code 36

(EDITOR'S NOTE: Matt Anderson is the head of the Engineering Department at the Naval Air Warfare Center - Weapons Division and recently completed a study to assess the performance in Desert Shield and Desert Storm of weapons and systems which fell under the mission of the now-disestablished Naval Weapons Center. This article, written for the Defense Systems Management College, is the first installment of a two-part series.)

Working quietly but frantically behind the scenes, a team of civilian scientists, engineers, and military personnel at the Naval Weapons Center (NWC) tai-

lored their weapons for use in Operation Desert Storm.

Several years before Saddam Hussein invaded Kuwait, Navy Commander Mike (Yogi) Behr, the Military Officer assigned to the High Speed Anti-Radiation Missile (HARM) Office at the Naval Weapons Center, began to anticipate what would be required to use the HARM in unique areas of the world where the radar threats were not necessarily only Soviet systems. Yogi's primary job was to be the test pilot to fly test missions with improved versions of HARM at "Echo Range" at NWC. Echo Range is a big piece of high California desert where simulated threat radar sites are scattered over several square miles.

HARM is designed to home in on the radar emissions of targets such as surface-to-air missile sites. Its seeker must be pre-programmed to recognize the unique characteristics of each target signal. A list of target signals is contained in a memory device called the command launch computer (CLC). This list (threat file) can be changed or updated depending on the particular list of radars one expects to face in a conflict. Normally the CLC is loaded with a "Global File" which contains the signal characteristics of various radar systems from all over the world where the Navy goes.

As soon as Iraq invaded Kuwait, it became apparent that the CLC "Global File" would not be optimum for U.S. Navy jets to fly over the Iraqi geographical area because Iraq had purchased a combination of military equipment from a variety of countries other than the Soviet Union. Edna Fujiwara Please see **AIR WAR** Page 6

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Stop Smoking Register 10:30 a.m. • Weight Loss Register 2:00 p.m.
Stop Smoking Register 6:30 p.m. • Weight Loss Register 8:30 p.m.
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Bring ad for discount
For Further Information 714-686-4991

\$59

386 33MHz \$1,895

Complete system with separate I/O-bus clock, sockets for 80387 or Weitek 3167 math coprocessor, true 33MHz 386 processor, 4MB RAM, 64K cache, a 1.2MB/360K floppy disk drive & a 1.44MB floppy disk drive, 1:1 125MB 15ms extra-high performance hard drive, 14" 1024x768 VGA monitor (very high customer satisfaction) & 1024x768x256 colors 1MB VGA adapter, 1 parallel & 2 serial ports, super full tower with speed display, Microsoft compatible mouse, enhanced 101 keyboard, Microsoft Windows 3.0, MS-DOS 5.0. 3-year warranty. Add CD-ROM drive for only \$299.

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Special: Only \$2495 w/CD-ROM drive

25MHz 386SX \$949

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Computer Store
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If you need a different system from our sale configurations, call & have a tech price a custom system configuration for you at sale prices.

Commander's Desktop

Captain Cook talks about the upcoming establishment ceremony and his time in command at China Lake

2

Wellness Column

High blood pressure remains a health problem

12

The Weather Report

China lake weather is expected to remain sunny and cool, with no more rain in the immediate forecast.

	Max	Min	Gusts	Precip.
Wed	56	26	8	
Thurs	58	24	6	
Fri	61	25	4	
Sat	59	26	18	
Sun	60	28	14	
Mon	58	22	6	
Tues	60	24	8	

China Lake Sports Aboard

Skiing tips offered by Ski Patrol members

17

Your and your paycheck

New payscales for Demo and GS employees at China Lake

24

COMMENTARY

The Commander's Desktop

By Capt. Douglas W. Cook



China Lake Calendar

Thursday, January 16

- CenterVision premieres in Room 1000D, Michelson with a Desert Storm tribute. Six showings starting at 9 a.m.
- Captain David Parks is the guest speaker at the Navy League dinner, 7 p.m., at Farris' at the Heritage
- Hi-Desert Chapter, SOLE, annual awards dinner, W.T. Wilson guest speaker, 6:30 p.m., Hideaway

Wednesday, January 22

- Naval Air Weapons Station, China Lake establishment ceremony and change of command, 2 p.m., Administration Building Lawn.

Tuesday, January 28

- Computer Society luncheon, Seafarer Club, 11:30 a.m., Doug Walter guest speaker.

Thursday, February 13

- Michelson Laboratory Awards, Seafarer Club, 11:30 a.m.

THE ROCKETEER

NAVAL AIR WARFARE CENTER - WEAPONS DIVISION
COMMANDER

RAdm. William E. Newman
VICE COMMANDER (PROSPECTIVE)
Capt. Douglas W. Cook

DEPUTY COMMANDER FOR RESEARCH AND DEVELOPMENT

William Porter
DEPUTY COMMANDER FOR TEST AND EVALUATION

Gerald Wroat
NAVAL AIR WEAPONS STATION, CHINA LAKE
COMMANDING OFFICER (PROSPECTIVE)

Capt. B. J. Craig Jr.

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PH3 CARY BRADY
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As I make ready to relinquish command, I look ahead with mixed feelings. The highlight of a naval officer's career is command, and certainly, coming to China Lake as Commander of the Naval Weapons Center has been a highlight in my career. Just as the world community has experienced powerful changes this decade, so the United States Navy is undergoing and will continue to undergo dramatic changes over the coming years. Harlan K. Ullman writes in his new book *In Harm's Way: American Seapower and the 21st Century*, "In these turbulent times, anticipation of future demands must account for adversaries who are not likely to have big and powerful navies."

He then states that the Navy must learn to do with far less and says, "The operational environment will make close-in anti-air warfare, shallow-water anti-submarine warfare, probably mine counter-measures and explicitly joint and combined operations new and exacting demands. Maritime power may well be returning to its traditional role of influencing and supporting campaigns ashore in conditions of war and crisis and promoting regional stability."

With recent historic events in the Soviet Union, we will see more debate on "how much is enough" for defense.

Certainly, the Navy's Research, Development, Test and Evaluation mission will continue as an important component in the overall Navy mission. At the forefront of the RDT&E community is the Naval Air Warfare Center-Weapons Division and the many valuable programs site located both at China Lake and Pt Mugu as well as White Sands and Albuquerque.

The China Lake heritage and its message should not be lost or forgotten. It includes the unique capability of carrying a development program all the way through from concept to all-up test and evaluation to the complete system and Fleet introduction.

With that in mind, we must seek to work cooperatively with the other services and industry — we must do so with more innovative and efficient ways. We must stand ready to meet the ever-changing needs of the unified commanders.

As I move into my new role as Vice Commander of the Naval Air Warfare Center-Weapons Division, I look forward to facilitating the interaction of the team effort and constancy of purpose evident throughout the weapons division. Our challenges will be many, but continuity at China Lake will not be lost. Superior leaders such as Bill Porter, Gerry Schiefer, Sterling Haaland, Jack Russell and Dillard Bullard will continue to work side by side with our military leadership to facilitate the many changes ahead.

With the formal Command Establishment and Change of Command ceremonies on Jan. 22, Capt. B.J. Craig will become the Naval Air Weapons Station, China Lake, Commanding Officer. His mission is to support the NAWC-WPNS Division RDT&E mission at the China Lake site.

Important functions such as security and safety; morale, welfare and recreation; public works; environmental issues; the Weapons Department; airfield operations and much more will fall under his cognizance. He will need the continued support of all of us to carry out that mission.

To each of you, I thank you for your support, your criticisms, your imagination and your professionalism. Both Robin and I look forward to our continued residence here in the "High Desert." We hope to expand our professional relationships and close personal friendships in the coming years.

Rear Admiral Bill Newman, Capt. Craig and myself extend a warm personal invitation to all of you to attend the formal command establishment and change of command ceremonies on Jan. 22 at 2 p.m. at the Administrative Circle or Base Theatre if weather so dictates. Bleachers will be made available.

All the best to each of you and your families as we enter this new year. Cope with change and seize the opportunities ahead. You have met every challenge in the past and set the standard of excellence and professionalism envied by many. I expect no less in the future.

Pages From The Past

January 15, 1982

Eugene Martin and Martin Kaufman of the Research Department developed new adhesive compounds for the Navy. . . NWC was the 1981 winner of Chief of Navy Material Productivity Excellence Award. . . Steve Sanders is the new head of the Technical Information Department, succeeding Bernard Connolly.

January 14, 1972

Pierre St. Amand led a Navy rain-making team to help relieve the drought in Okinawa. . . Eleven China Lakers earned fellowships to attend USC this year. . . AK3 William Stone is the NWC Bluejacket of the Month. . . Capt. R.C. Fay, Long Beach Naval Shipyard commander, is this month's guest speaker for ASPA.

January 19, 1962

VAdm. J.T. Hayward, former NOTS Experimental Officer, was named to command the Navy's first all-nuclear task force. . . Capt. Charles Blenman, NOTS Commander, told the Kern Business Outlook of the Station's contributions to the economy. . . Former NOTS CO, Capt. W.W. Hollister, was made a honorary life member of the local Fleet Reserve.

January 16, 1952

In a NOTS reorganization, E.L. Ellis is the new head of the Rockets Department and P.A. Longwell heads the newly-created Explosives Department. . . Several Secretary of the Navy Safety Awards were presented to China Lakers. . . The 1952 March of Dimes campaign went into high gear with a dance and carnival on-Station.

Civilian residents of Station are not eligible for credit

Civilians living in housing aboard the Naval Air Weapons Station, China Lake for more than six months during 1991 are reminded they are not eligible for the Renter's Credit on their 1991 California Tax returns. If there are any questions regarding this notice, please call the Franchise Tax Board at 1-800-852-5711.

ROCKETEER CLASSIFIEDS

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

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

CLASSIFICATIONS

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

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

TO PLACE AN AD
CALL 375-4481
OR DROP IT BY
The Daily Independent!
224 East Ridgcrest Blvd.

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

20 RENTALS

HERITAGE VILLAGE HOUSE FOR RENT - 2BR 2BA, 2 car gar, yard. Includes use of pool, gym. \$700/mo. + utilities. 805-382-1163, lv. msg.

30 SERVICES

WORKING WOMEN - Not enough time to clean your bathroom thoroughly? Call for free estimate. 375-3520.

35 AUTOMOTIVE

1984 TOYOTA TRUCK EXTRA CAB - 5 speed, PS, A/C, camper shell w/carpet kit. Fully custom, lots of extras. Must see to appreciate. \$4,500 OBO. 446-5803.

72 PORCHE 914 - Runs good. \$1,500 OBO. 446-6966 eves and weekends.

83 NISSAN 2WD - 99K miles. Mag rims, new tires, new paint. Great cond. \$2,500. 446-5793, Rich.

87 CADILLAC SEVILLE - Loaded, low mileage. \$10,500 OBO. 446-6966 eves and weekends.

88 CHEVY CAVALIER - 2 door Coupe, 4 cylinder, 5 speed. \$6,000 or \$1,000 & payments. 446-7172.

88 CHEVY CAVALIER - 2 door Coupe, 4 cylinder, 5 speed. \$6,000 or \$1,000 & payments. 446-7172.

89 DODGE DYNASTY - 4 door, PW, PL, low mileage. For more info call 446-3820.

35 AUTOMOTIVE

NEW TIRE CHAINS (not cables) for serveral size 14 inch and 15 inch tires. Comes with tensioners and carrying case. \$45. 375-5095.

40 MISC. FOR SALE

FOR SALE - Portable Singer sewing machine, \$50. Misc. baby items. 446-9633 after 5pm.

MICROWAVE OVEN, \$45. 377-3111.

MOTHER OF PEARL - Black lacquer Grandfather Clock. Stand up or wall mountable. Like new. \$350 OBO. 384-2430.

TAHOE SEASONS RESORT TIME-SHARE at Heavenly Valley Ski Resort. Snow capped Mts., skiing, Sleeps 6 with in-room jacuzzi, superb view of Lake Tahoe. Value \$14,500, owe \$6,000. *Take over payments, it's yours.* 384-2430.

TANDEM BICYCLE BUILT FOR TWO. After 5pm. 371-2186.

TEAKWOOD STEREO CABINET, \$800 OBO. Gulbransen Electric Organ w/maple cabinet, \$500 OBO. Dresses from Singapor. Velvet jackets from Pakestan. Roller blades, kids size 4, \$25. Hot Lixx Guitar, \$30. Japanese Tea Set, \$50. Call 371-3545.

TWIN SIZED BED FOR SALE - \$45 OBO. Panasonic speakers, \$50 OBO. Call eves only, 446-3955.

Classifieds Get Results!

55 REAL ESTATE

Featured Rental



712 S. Norma
3BR, 2BA, fireplace, 2 car garage.
Water/trash paid
\$585 mo. + Sec.

POPPY
(619) 371-4606
Property Management and Rental Service
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40 MISC. FOR SALE

WARD'S SIGNATURE MICROWAVE, large capacity, \$50 OBO. 371-1882, lv msg.

WATERBED FOR SALE - Queen size, full side, headboard w/mirror. Good size. Best offer. 446-7488.

WORLD PROGRESS ENCYCLOPEDIA, \$200. 3 cockatiels w/cage, \$75. 446-7666.

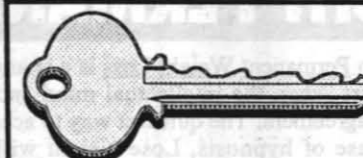
YOUR NEW HOME COULD BE JUST A PHONE CALL AWAY... CLASSIFIEDS

55 REAL ESTATE

1 800 US BONDS

U.S. SAVINGS BONDS
THE GREAT AMERICAN INVESTMENT

IT PAYS TO PATRONIZE DAILY INDEPENDENT ADVERTISERS



Looking for the KEY to your new home?

It could be as close as your fingertips, you know.

The Friday Edition of **The Daily Independent**

Offers the largest weekly listings of available properties in the Ridgcrest Area.



COMMUNITY EVENTS

What's happening

On Thursday evenings, Jan. 16-Feb. 13, the Indian Wells Valley Master Gardeners will host a Desert Gardening Workshop from 7 to 9 p.m. at the Knights of Columbus Hall. Both new and experienced gardeners are invited to attend.

The registration fee is \$10 per person or \$15 per couple. Pre-registration is required and may be made by calling Beverly Wood, 377-5558, or Billie Stone, 377-5158.

####

The Cerro Coso Community College Fine Arts Gallery is currently showing the second annual Alumni Invitational Art Exhibit. The show, which ends tomorrow, is free of charge and open to the public.

####

Thirty leading manufacturers will exhibit their abilities, which include products and services uniquely associated with real-time applications, during the Real-Time Computing Exhibitions seminar set for Thursday, Jan. 23, at the Kerr McGee Center from 8:30 a.m. to 4 p.m. The RTC show is sponsored by the manufacturers to bring the most advance technologies to the public. Registration is free and includes breakfast and/or lunch. R.S.V.P.s are requested and can be made by calling Sherry Guy at (800) 733-1811.

####

Starting the week of Jan. 27, two Spanish courses will be offered through the Sierra Sands School District's Adult Education Program. Spanish 1 introduces Spanish to students, with an emphasis on conversation. Spanish 2 is for those who have a basic understanding of the language. Both classes will be held evenings (6:30 to 9:30 p.m.) during the school week. Cost is only \$30, which includes textbooks and materials. However, if the class can help further your career, the program waives the costs. To learn which days the classes are offered, or for information, call 371-9562.

####

Social Security representatives will be at Ridgecrest City Hall, 100 W. California Ave., on the second, third and fourth Thursday of each month, unless that day is a federal holiday. There will be no visit on the first Thursday of the month nor on the fifth Thursday when a month has five Thursdays.

For more information, call 1-800-772-1213.

####

Community Connection for Child Care presents a complete series of parenting tapes, lasting three to four minutes, over the phone from 5 p.m. to 10 a.m. Developed by Resources for Family Development, the tapes are changed weekly and can be heard by calling 375-0446.

The tape for Jan. 14-20, "Developing Self Esteem," explains why self esteem is important and how to help develop it.

The tape for Jan. 21-27, "Talking With Young People," explains how to share information and feelings.

Kernville celebrating gold rush days heritage

From Feb. 14-17, people living in Kernville and the surrounding mountain community will turn back the clock to relive the gold rush days of the 1880s, when Kernville was known as "Whiskey Flat."

When a chunk of gold, reputed to weigh 40 ounces, was found in the Kern River bed, the Kern County gold rush began. With the influx of miners, early entrepreneur Adam Hamilton recognized a business opportunity and opened his saloon with two whiskey barrels and a plank. As Whiskey Flat grew, church women demanded a new name and the settlement became Kernville. The original

development now lies under Isabella Lake, one of the largest man-made reservoirs in Southern California.

Some of the activities scheduled during the fun-filled "Whiskey Flat Days" will be a grand parade, Wild West Rodeo, melodrama, guided mine tours, a greased pig catching contest, whiskerino contest, frog races, epitaph contest, puppet show, food and craft booths and a carnival.

For a complete list of activities, and their scheduled dates and times, contact the Kernville Chamber at (619) 376-2629 or 376-4371, or write to P.O. Box 397, Kernville, CA 93238-0397.

Kern County holds home day care licensing orientations each month

On the fourth Tuesday of each month, the Kern County Department of Human Services holds a family day care home licensing orientation at 440 W. Robertson, Ridgecrest. The orientation, which starts at 1:15 p.m., is open to any interested person. Although appointments are not necessary, please call the day of the orientation at 375-6781 to confirm the class is being held. For more information, call Jean at Community Connection for Child Care,

375-3234. This orientation is part of the state licensing process, not part of the Family Home Care Program at China Lake.

People living on the Station who are interested in becoming home day care providers need to complete the military Family Home Care Program before providing care in their homes. For more information, call Janet Butler, Family Home Care Program coordinator, at 939-6681.

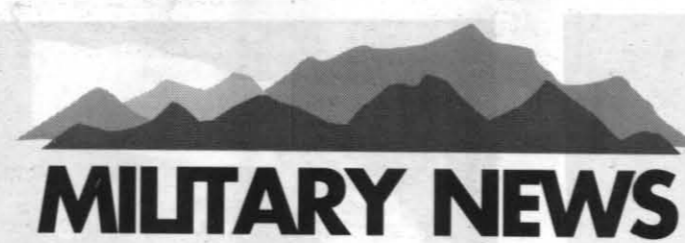
College class presents 'The Bartered Bride,' an opera by Bedrich Smetana

During the spring semester, Cerro Coso's Opera Workshop Class will learn the well-known opera "The Bartered Bride," by Czech composer Bedrich Smetana. The class will meet every Thursday evening at Cerro Coso from 7 to 10 p.m., starting Jan. 16. There are no prerequisites for this class, but some past choral experience is desirable, as all cast members will be

expected to at least sing in the chorus.

Individual leading roles call for four tenors, three sopranos, two bases, one baritone and one mezzo-soprano. Auditions for the major roles will be held in February.

For more information, or to register for the class, call the college at 375-5001 between the hours of 9 a.m. and 5 p.m.



MILITARY NEWS

Desert Storm performance, other achievements lauded in Hangar 3 awards ritual

Leading the awards ceremony last week at Hangar 3 was the Distinguished Flying Cross presented to Lt. Michael E. Merren by Capt. Douglas W. Cook, prospective Vice Commander of the Naval Air Warfare Center—Weapons Division. The award came for heroism in flight while the lieutenant was attached to Attack Squadron 46 aboard the *USS John F. Kennedy* deployed for Desert Storm.

During the night of Jan. 17, 1991, Lt. Merren was assigned as wingman in an A-7E in the initial combined strike of 56 allied aircraft against the Baghdad air defense system. Attacking Iraq's strongest air defense system, 160 nautical miles inside hostile territory, he evaded enemy aircraft and surface-to-air missiles to deliver anti-radiation missiles on target.

The citation by Secretary of the Navy H. Lawrence Garrett III reads in part, "Lt. Merren's bold execution of the strike plan while faced with poor weather and numerous threats allowed a joint strike of U.S. Navy and Royal Air Force bombers to successfully attack Al Taqaddum Airfield and also disabled the air defense system in West Baghdad, allowing subsequent strikes to penetrate successfully."

Capt. Cook next clipped the Meritorious Service Medal on the civvy (though still khaki) jacket of retired

master chief Larry R. Pritchett. The award came for the former aircraft maintenance man's service as Aviation Intermediate Maintenance Department Officer from September 1989 to October 1990 and Maintenance Control Master Chief Petty Officer from August 1987 to July 1991 at China Lake.

"Displaying exceptional skill and resourcefulness," the citation from Chief of Naval Operations, Adm. F. B. Kelso II, reads in part, "AFCM Pritchett was responsible for a significant increase in aircraft availability and a quantum improvement of aircraft material condition. His superior performance was the hallmark of a career devoted to accomplishing broad and diverse tasks."

Pritchett, who retired Sept. 30, 1991, still works in maintenance control at the airfield, now as a projects coordinator employed by the Rail Company.

Presentation of three Navy Achievement Medals (NAMs) came next. Lt. Robert M. Gervais was recognized for service as assistant officer in charge of Helicopter Combat Support Squadron Five, Detachment Four, while deployed aboard the *USNS Kilauka* for Desert Shield from August 1990 to December 1990.

The citation by RADM. D.P. March, Commander Carrier Group Five, reads in part, "Demonstrating exceptional

Please see **AWARDS** Page 4



BAGHDAD STRIKE brought Distinguished Flying Cross to Lt. Michael Marren.



NOW IN CIVVIES, Larry Pritchett receives Meritorious Service Medal for aviation maintenance achievements at Armitage Field before his September 1991 retirement.

CCCCO offering transition seminar

As a part of DoD's transition assistance program, the Naval Air Weapons Station (NAWS), China Lake, Command Career Counselor's office will present a three-day seminar, Feb. 18-20, aimed at helping individuals make the change from the military work force to the civilian job market.

"We are working closely with the Department of Labor and the Department of Veterans' Affairs to build on their labor market exchange functions assuring that assistance will be available

to all separating DoD personnel," said Christopher Jehn, assistant secretary of defense for force management and personnel.

Jehn explained this program is part of DoD's transition efforts for service members facing voluntary or involuntary separation during DoD's 25 percent drawdown in personnel over the next few years.

The seminars provide information on how to look for a job, how to determine where jobs are and how to compose a

successful resume. They also include discussions on regional marketplace differences and veterans benefits, including home loans, health care, disability and insurance.

The no-cost programs are open to anyone retiring or separating from military service. Spouses may attend if space permits.

DoD officials recommend attending a seminar about six months before leaving the service. "These seminars are one means by which we provide the needed

link between separating military personnel and the local employment service," Jehn added.

Command Career Counselor, OSC Norman Colwell, said, "We've worked for over a year to bring one of these seminars to China Lake. We are establishing a transition office at NAWS, and depending on response to this first one, the office will host three to four seminars a year."

To sign up for the February course, contact Chief Colwell at 939-2782.

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NAMS went to Lt. Robert Gervais...

AWARDS from Page 3

leadership and management skill, Lt. Gervais personally directed the productive efforts of 20 enlisted men and six officers, culminating in a mishap free deployment. As a direct result of his extraordinary leadership and airmanship, his detachment flew an unprecedented 1,500 flight hours, moving 25 million pounds of cargo in 18,000 lifts."

The NAM was presented to AMS2 Miroslav Szynda for superior performance of his duties on Sept. 18, 1991, while serving as the non-destructive testing supervisor at the then Naval Weapons Center, China Lake.

During the test phase of a planned structural modification, AMS2 Szynda observed improper use of non-destructive



AMS2 Miroslav Szynda...

ive inspection (NDI) equipment, said the citation by Capt. Cook. He averted a potentially catastrophic incident. Further investigation revealed the wrong inspection standards and techniques were being followed.

"Petty Officer Szynda's quick and decisive action of reporting the improper NDI practices prevented the potential airborne separation of F/A-18 wings at their attachment points for all aircraft going through this change," Capt. Cook read.

CTO2 Willie M. Jones received the NAM for his duties as SPINTCOMM watch section supervisor, as sole special intelligence communicator for the squadron's Jeddah, Saudi Arabia detachment during Desert Storm and as communications leading petty officer at



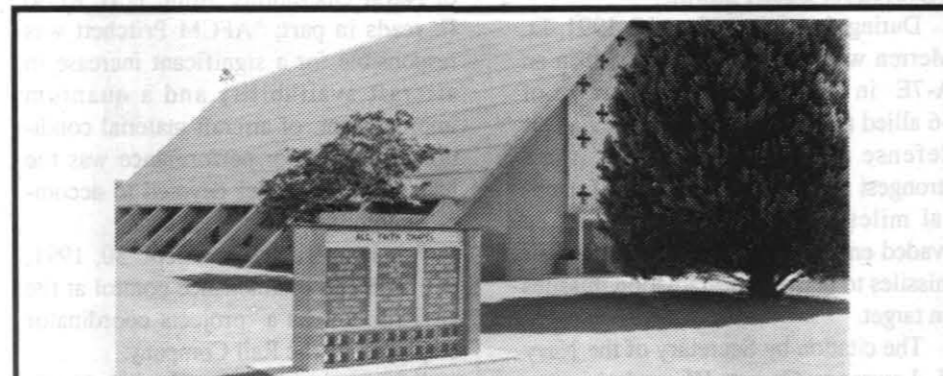
and CTO2 Willie Jones.

Souda Bay, Crete, while assigned to Fleet Air Reconnaissance Squadron Two from October 1989 to October 1991.

"CTO2 Jones' superb technical expertise was clearly evident in his single-handed activation, maintenance and operation of a state-of-the-art computerized communications system, during the war with Iraq," the citation by RAdm. D.T. Oliver, Commander, Fleet Air

Mediterranean, reads in part. "At Souda Bay, he generated five standard operating procedures and a master inventory of magnetic media, publications and equipment, which provided procedural consistency in the communications center."

Fourth award Good Conduct Medals were presented to AT1 Robert Campion and AH1 Raymon Forosan to close the ceremony.



All Faith Chapel Services

Protestant	
Sunday Worship Service, East Wing	8:00 a.m.
Sunday Worship Service, Main Chapel	10:30 a.m.
Sunday School, 1008-10 Blandly & 1903-05 Mitscher	9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June)	11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday	6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday	7:00 p.m.
Islamic	
Jumaa Prayer (Friday at 1002 Blandly)	1 p.m. (DST) 12 p.m.(ST)
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)	10:15 a.m.
1902 Dibb, 1002 Blandly, 1008-10 Blandly & 1903-05 Mitscher	
Scripture Classes, Tuesdays (October-January)	
St. Ann's Parish Hall	7-8:30 p.m.
Jewish	
(375-0385 Messages)	
Weekly Services (Friday - East Wing)	7:30 p.m.
Adult Hebrew Lessons (Saturday, East Wing) (September thru June)	3:00-5:00 p.m.
Religious Education (Sunday, East Wing) (September thru June)	9:30 a.m.-12:30 p.m.

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Still time to enter USNI \$1,500 essay contest

Cash award prizes ranging from \$500 top \$1,500 are being offered by the U.S. Naval Institute and the Vincent Astor Foundation in their eighteenth annual leadership essay contest for junior officers and officer trainees of the U.S. Navy, Marine Corps and Coast Guard. Prizes will be awarded for the top four

essays. Entries must be postmarked by Feb. 15 and must not exceed 4,000 words. For a list of contest rules write to: U.S. Naval Institute Membership Department, 118 Maryland Avenue, Annapolis, Maryland 21402-5035, or call (800) 233-USNI.

Naval Academy seeking applicants

Washington (NNS) -- The Navy Academy is an excellent avenue to a commission for high caliber sailors and marines. Last year, the Academy admitted 122 sailors and marines with the Class of 1995.

Due to the high fleet optempo last year, applications from the fleet are down. To keep this commissioning opportunity open, the Academy is streamlining the application process for all commands.

Military members who feel they have a young sailor or marine who should be recommended for admissions consideration should contact the Candidate Guidance Office, U.S. Naval Academy, 117 Decatur Avenue, Annapolis, MD 21402-5018. The point of contact is YNC Valdez at 800-638-9156. Candidate packets and instructions must be completed by the applicant and returned to the Navy Academy by March 15.

Guidelines for the typically successful fleet applicant and age restrictions are contained in OPNAVINST 1531.4E.

Save on processing with NEX film coupons

Navy Exchange (NEX) brand color print film is now available at the Naval Air Weapons Station, China Lake, Exchange.

The film is available in 35mm for 100, 200 and 400 ASA and 110 size in 200 ASA.

The new film has a coupon that saves patrons \$1 on developing and processing at the Exchange.

RESIDENTS from Page 20

Items being collected, noted the letter, include glass (clear, brown or green food or beverage containers), plastic (only California Redemption containers at this time) and aluminum cans.

Residents are asked to wheel their carts to the curb for pickup the same day they are scheduled for trash collection, Crabtree said. People living in residential houses that don't have trash pickup, need to set out their containers on the day the homes nearest them have their trash picked up.

"We hope to expand this program in the near future," Crabtree said. "Eventually, Tom and I want to expand the items being collected to include newspapers, magazines and corrugated (cardboard) products."

For questions regarding housing's schedule or the residential recycling program, call Jim Cantrell, MWR maintenance, at 939-3975 or leave a message for him at 2010.

"Recycling programs will only work if everyone participates," said Crabtree. "Recycling is commercial management of a product. It is the same as people getting rid of their unwanted items through a yard sale. If you have a lamp you no longer use, you don't throw it away, you save it for a yard sale or give it to someone who needs it. Recyclable products are the same way. Don't throw them out. Give them to us and help our Morale, Welfare & Recreation Department in their efforts in brightening the lives of our service people and civilians working at China Lake."

Deadline changes for SEMPDP applications

Completed application packages for the Senior Executive Management Development Program (SEMPDP) should be in department offices no later than Jan. 31.

According to Roger Peck, an employee development specialist with the Human Resources Department at China Lake, this is a change to a previously announced deadline, when packages were due in to the Training Center by Feb. 7.

The goal of SEMDP is to provide ambitious, talented employees at the DP-3 or 4 (or equivalent) levels a systematic and coherent framework in which to clarify their career goals, develop managerial potential and enhance technical expertise.

The SEMDP advisory board will rate and rank each applicant on managerial experience, technical proficiency, professional performance and good clarity as provided in the application form. Applicants will be told of their status no later than April 15.

Craftech has Disneyland discount tickets for sale

Craftech still has Disneyland tickets at discount prices, notes Pat Piroaska, Craftech's manager. "Even though the expiration date on the tickets is Jan. 31, Disney will honor them until May," she explained.

For only \$22.50 for adults and \$18.50 for children, military and Department of Defense personnel can ride Big Thunder Mountain, Matterhorn Bobsleds, Space Mountain and the newest - Splash Mountain.

Other attractions include a stroll down Main Street U.S.A. and sights and sounds of the Pirates of the Caribbean.

To learn the variety of discount tickets that Craftech has on hand, call 939-3252.

Seafarer serves Sunday brunch

Start your week off with Sunday brunch at the Seafarer Club from 10 a.m. to 1 p.m. "Enjoy the club's new atmosphere and all you can eat," invites the club's manager, Fred Garcia.

Waffles hot off the grill, topped with fresh fruit; moist scrambled eggs or eggs to order; bacon; home fries; fried chicken; biscuits and gravy; rice pilaf; a special entree of roast beef; ham or turkey; fresh fruit; coffee; juices; milk; assorted cereal; and a variety of muffins can tip almost anybody's appetite add up to a low cost of \$5.95 for adults (age 12 years old and older) and \$3 for children (age 4 to 11 years old).

For more information, call the club at 446-6929.

Club will be closed for lunch on January

During the change of command set for Jan. 22, the Seafarer Club dining area will be closed for the day. However, Freddie's Place, the pizza sports bar, will remain open during normal operational hours.

For further information, call Fred Garcia, the club's manager, at 446-6929.



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MWR

RECYCLING from Page 19

locked when unoccupied." (For more information about the definition of sensitive documents, and/or their destruction, call Dave Shipley at 939-2079.)

Station employees are reminded all carbon must be removed from papers being collected for recycling. "If carbon becomes mixed up in the paper being shredded, the whole batch is ruined and becomes worthless," Crabtree said. "Please make sure all the carbon is removed before placing the paper into the recycling containers."

Because the new program is still in its infancy, some bugs still need to be worked out, Crabtree admitted. First of all, the program is operating under an interim plan. A formal, long-term recycling plan is still being worked out.

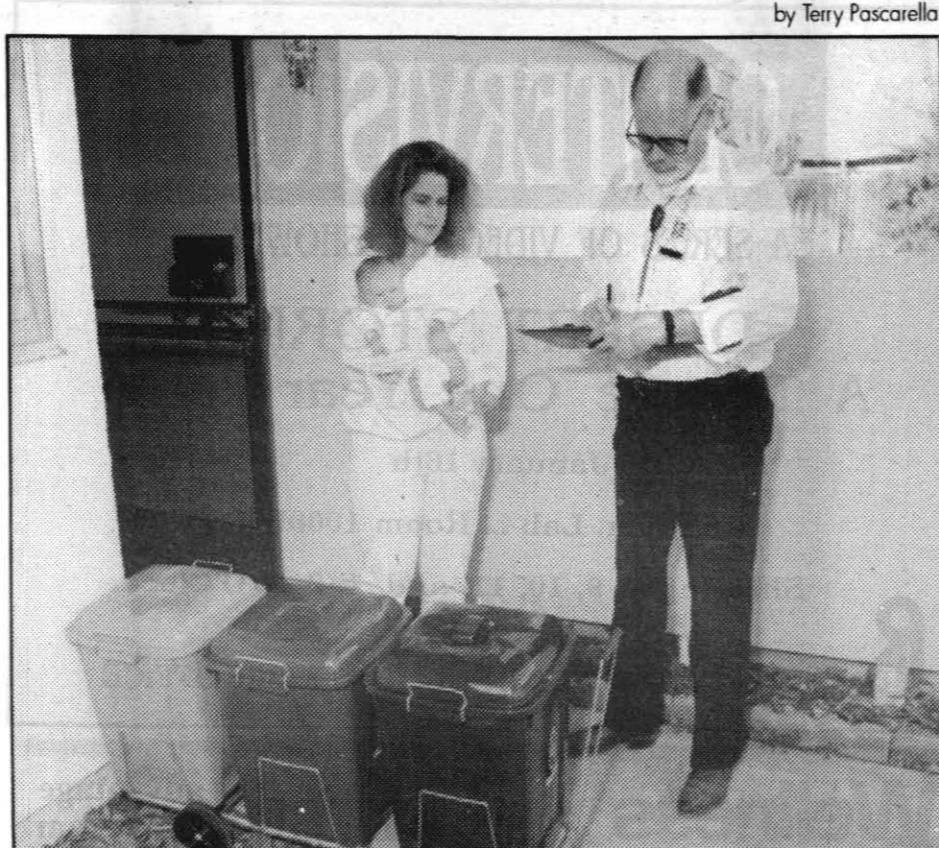
Regular pickups are currently being established under the interim plan, said Crabtree. Codes that need to establish an immediate pickup, or need to schedule a regular pickup time, should call Crabtree at 939-3432.

"The new recycling program will return all the money received directly back to the Station with the maximum possible benefits being passed on to the Morale, Welfare & Recreation (MWR) Department," stated Crabtree.

To maximize its benefits, MWR is also getting into recycling. The Station's recycling program is expanding to include the residential areas aboard NAWS, China Lake. Crabtree explained this part of the program would be managed by the MWR Department and all proceeds will directly benefit MWR.

According to a letter addressed to Station residents, signed by Tom Blackmore, head of MWR, recyclable items will be picked up from residential areas starting this week. A cart, holding three containers, should have already been issued to all residents. Residents who have not received their containers should call Crabtree at 939-3432.

Please see **RESIDENTS** Page 21



by Terry Pascarella

HOUSING RESIDENTS JOIN CHINA LAKE IN RECYCLING — "Tree" Crabtree, China Lake's recycling coordinator, fills out the paperwork assigning the new containers and cart to a China Lake resident. Under the new recycling program, people living in the housing area are being asked to recycle aluminum cans, glass and plastic. A container is provided for each type of item being recycled. Residents are asked to take out the cart and containers to the curb for pickup by Morale, Welfare & Recreation Department employees on the same day as their garbage is picked up. Proceeds benefit MWR.

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China Lake's future among subjects at conference

Captain Cook talks to annual Kern County Business Outlook meeting on environmental, consolidation and realignment issues

Captain Douglas W. Cook, prospective Vice Commander of the Naval Air Warfare Center-Weapons Division, told the Kern County Business Outlook Conference, "we have a great deal to offer at China Lake, and the talent to pull everything together. Although the future remains uncertain, I sincerely believe the China Lake site will be developing advanced weapons for our unified commanders well into the 21st century."

Speaking on the topic of, "Consolidation and Realignment... A New Beginning," Capt. Cook told his audience China Lake is no exception to Department of Defense initiatives to reduce the defense budget. "In fact," he said, "we are implementing a research, development, test and evaluation (RDT&E) consolidation that will result in the integration of the Pacific Missile Test Center at Point Mugu, the Naval Weapons Center at China Lake, the Naval Ordnance Missile Test Station at White Sands, N.M. and the Naval Weapons Evaluation Facility at Albuquerque, N.M. into one... the Weapons Division of the Naval Air Warfare Center."

"Management will be streamlined," Capt. Cook continued, "with the commander at the Point Mugu site, the Navy's sea range test and evaluation activity for surface, subsurface and air-launched weapon systems. The vice-commander will be at the China Lake site, the Navy's largest laboratory complex for weapons research, development and land range test and evaluation that includes 1,700 square miles of impact ranges and 17,000 square miles of associated joint-use restricted airspace."

The White Sands site is the home of the Navy's land-based test of shipboard surface-launched missiles, research rockets and high energy lasers. The Albuquerque site provides full life-cycle support for the Navy's nuclear weapon systems.

Captain Cook noted the consolidation of the four facilities offers a complete spectrum of air, land and sea ranges combined with threat simulation to form the

Naval Western Test Range Complex, integrating unique capabilities and facilities of each activity to create a broader, more efficient test and evaluation environment.

"As the consolidation moves forward, the way we do business at China Lake will change. The Naval Air Weapons Station will provide full support for the many facilities located on the 1.1 million acres once known as the Naval Weapons Center. The Naval Air Weapons Station commanding officer will ensure smooth operations of the air facility and oversee such important areas as environment, land management, police and fire support, public works and much more.

"Management of the NAWC-Weapons Division, China Lake restricted areas as well as the research, development, test and evaluation of advanced weapons will be the responsibility of the Commander, Naval Air Warfare Center-Weapons Division," added Capt. Cook.

"Another side affect of our shrinking budget," he noted, "will likely be a downsizing trend in the local area support contractor personnel. Although we will make every effort possible to maintain the current ratio of inhouse to contracted out work within 10 percent, the declining defense budget makes projection of dollars spent on procurement in the out years very difficult.

"Although the Navy was the only service that significantly lost ground in terms of RDT&E funding this year... approximately \$8 billion, the overall NAWC-Weapons Division, and specifically of interest to all of you, the China Lake site experienced growth in the core business area.

We are looking for ways to further increase our core business funding. Cooperative research and development agreements and work in support of the Strategic Defense Initiative are two program areas in which we are exploring new options and experiencing increases in funding.

"Local business throughout Kern

County and the region will still benefit from Kern County procurement. For instance, the Bankcard Program at China Lake has been very beneficial to both the customers and the businesses involved. It is an area where small businesses can get a piece of the pie," Capt. Cook added.



Capt. Douglas W. Cook

"In this day and age of consolidations and downsizing we are realizing more and more that joint service efforts will be a key to future success. This applies not only to weapons development programs,

but to use of ranges and other resources as well. We have in the past, and will continue in the future to work in conjunction with our neighbors and Edwards AFB, and look for new opportunities to initiate joint programs and joint resource utilization," noted the captain.

He added, "Whether it be research on a new air-to-air missile or environmental issues like air visibility... cooperation to provide joint solutions will be the most cost-effective approach."

Saying he saw the China Lake site continuing "as a strong and vital economic partner" in Kern County's future, Capt. Cook added, "the high desert offers a relatively low cost of living... China Lake's geothermal resource provides an inexpensive and independent source of electricity... and we are blessed with excellent air visibility. Our proximity to Edwards AFB, Ft. Irwin and Point Mugu brings the reality of joint service cooperation even closer."

Several hundred business and government leaders from throughout Kern County attended the annual Business Outlook Conference. Other speakers from the public and private sectors presented their views of the economic future of the county during the day-long event.

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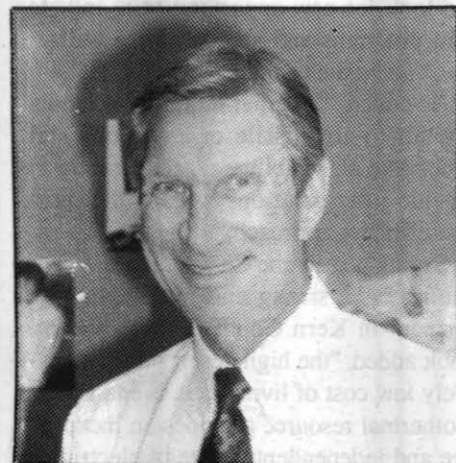
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AIR WAR from Page 1

and Annie Chandler coordinated the HARM team of engineers and test pilots who went to work defining the new "geo-tailored" threat file, and then they tested it out in their laboratory in an anechoic chamber called the Multiple Agile Radar Threat Simulator (MARTS), which had



Matt Anderson

been refined over the past decade as a very useful tool to check out all the complex interfaces and interactions of performance in an environment with many electronic systems in operation. After this, they loaded their geo-tailored software into attack aircraft of the Navy's Air Test and Evaluation Squadron Five (VX-5), in addition to NWC's own aircraft, and conducted flight tests at Echo Range so that

fleet aviators could be sure it was working properly in actual flight conditions against simulated threats. When it all checked out okay, they prepared an entire package of updated files to take out and introduce to the Navy and Marine aviation squadrons that were on their way to, or already in, the Red Sea or Persian Gulf area.

The test results and plan for fleet introduction were briefed to the program manager for Defense Suppression (Capt. Larry Pfitzenmaier) in Naval Air Systems Command in Washington, D.C. After his concurrence and approval, a team from NWC took the geo-tailored threat files, a complete users manual on how to load and use the new file, and all the equipment ("yellow gear") necessary to load it out to the Navy aircraft carriers and the Marine squadrons in Bahrain. This involved many hundreds of pounds of equipment, and since it was classified, the engineers would sometimes have to sleep with it on taxiways at the crowded airfields in the Persian Gulf area.

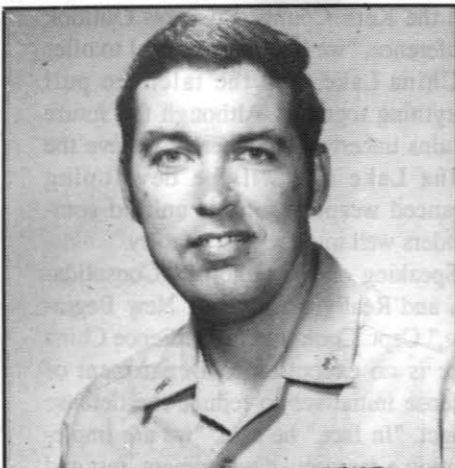
Getting the new threat files into the hands of each of the carrier airwings and all the Marine squadrons was a large task due to the geographic dispersion of the ships and air bases. Some squadrons were briefed at their home bases in the U.S. and others were updated in the theater of operations. This was largely suc-

cessful because the new software was thoroughly checked out in-laboratory and flight tested before it was introduced to the fleet. When Yogi and his team of engineers went to the fleet, they had a complete loading system and a well-rehearsed briefing package, and left with each squadron a complete, easy to understand, set of documentation for the aviators to refer to after the NWC briefing team left.

In parallel to the HARM CLC effort, and in conjunction with NWC, USMC Major Ron "PLUG" Dodson led a team of engineers and military personnel from Pacific Missile Test Center, at Point Mugu, California, to begin updating the electronic threat files of the ALR-67 Radar Warning Receiver and the ALQ-126 jammer. They also introduced these updated files to the fleet in time for use in Desert Storm.

A significant problem encountered during Desert Shield related to the official methods of communication between the fleet and the Navy support facilities in the U.S. The system became so overloaded that a "Flash" message was taking several hours to get through, and an "Immediate" message was taking several days. "Routine" and "Priority" messages were almost useless. For Yogi to coordinate his introduction of updated threat files to the fleet, he needed a method of commu-

nication on a daily basis. The solution to this dilemma came from Pat Yates, an NWC engineer who for the past 3 years had been the Science Advisor to the Commander of Mid East Force in Bahrain (currently RAdm. R.A.K. Tay-



Cdr. Mike (Yogi) Behr

lor). Pat had developed a method of talking to China Lake on "electronic mail" using his personal computer. This enabled about a 12-hour turn-around in data between Bahrain and California, which was sufficient for Yogi to coordinate fleet requirements and his visit.

Another instance of introducing new software to the fleet during Desert Shield emanated from the need to get the latest Please see **DESERT STORM** Page 12

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Wellness Corner

Employees take advantage of blood pressure program

By Pat Olliver Wellness Program

High blood pressure, or hypertension, is often referred to as a "silent disease" because it has no symptoms until it reaches an advanced state. However, if left untreated, it can lead to stroke, heart attack or kidney damage. Fortunately, a wide variety of medicines and other treatment are available to bring hypertension under control and keep it there.

Prevention starts with awareness, so the Wellness Program sponsors a blood pressure monitoring program for employees. Various people have received training from occupational health nurses to monitor blood pressures. If you are interested in having your blood pressure taken, call the Branch Medical Clinic, 939-2911, ext. 234, or contact one of the following people.

- Lynn Becker, 939-6010, RCC
Mike Catlin, 939-6600, Bldg. 33
Anita Degroot, 939-4649, Michelson Lab
Gerard Kersten, 939-3302, Michelson Lab
Cal Kato, 939-3664, Bldg. 00003
Margaret Porter, 939-2137, Bldg. 33
Reg Read, 939-3346, TID, Bldg. 02339
Jerry Stein, 939-2348, Personnel Bldg.
Denise Tracy, 939-2648, Training Center

The Wellness Program will once again offer blood, lifestyle and physical fitness assessments this spring. Watch the Wellness Corner, beginning in February, for dates and times.

Library a boon to hobbyists

January is National Hobby Month, and the Naval Air Weapons Station, China Lake Library staff reminds readers the library has many books to enhance the hobbyist's favorite pastime.

If you enjoy needlework, the library's shelves contain volumes on crocheting, knitting, tatting, macrame, quilting and more. These books give instructions on the basics of design, stitches and care of the finished product.

Model makers will find information on building, trains, planes and automobiles and with ships and radio controlled

models.

Collectors of all kinds, from stamps to coins and dolls to antiques will find books in the library to help in their quest notes the library staff.

Artists, gardeners, cooks, writers, sculptures and photographers are just a few of the other hobbyists who may find information they need at the Station Library.

The library is open Sundays from 10 a.m. to 6 p.m. and Monday through Thursday from 11 a.m. to 8 p.m., and closed Friday and Saturday.

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Your Environment

By Peggy Shoaf Staff Writer

Recycling effort expands here thanks to MWR and Code 008

Recycling has been, and still is, undergoing a major push throughout the United States, and especially at the Naval Air Weapons Station (NAWS), China Lake. But because of recently mandated laws increasing the amount of recycling, the price for recyclable items has taken a downward drop, noted "Tree" Crabtree, the recycling project manager in the Environmental Project Office.

In the past, the Indian Wells Valley Association for Retarded Citizens (ARC) has handled the Station's recycling efforts. But, because of the drop in prices, ARC can no longer afford to continue the service, Crabtree explained. Therefore, NAWS, China Lake, will now handle its own program.

"Despite the drop in prices, we must continue our recycling efforts," Crabtree said. "It is up to the big users and corporations to keep this program active until industry catches up to it."

With the change of management, comes changes to the Station's recycling program, itself. Changes include increasing the types of items being collected and expanding the program to encompass the Station's residential areas.

According to Crabtree, the Station's program will continue to accept white ledger (bond) paper, computer print outs and colored ledger paper. It will restart collecting newspapers, magazines and corrugated (cardboard) products and add collection of aluminum cans, glass containers and plastic (Numbers 1 thru 4) containers.

Crabtree noted one advantage of the new system is that administratively sensitive documents printed on white ledger can now be recycled. "All white ledger paper collected will be shredded and bailed in a special shredder (approved by the Security Division) before being sold," he explained. "This means administratively sensitive documents can be recycled. However, it also means collection points, which store these documents while waiting for collection, must be located in rooms which are Please see **RECYCLING** Page 20

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IDEAS: Employee input valuable to the Navy

By Peggy Shoaf
Staff Writer

"I really need you to be even more creative. If you see places where we have hemorrhages of funds that aren't necessary, please come forth and let us know. We need your input," stressed Capt. Douglas W. Cook, prospective Vice Commander of the Naval Air Warfare Center-Weapons Division, as he addressed people attending the IDEAS Program's first awards ceremony. During the event, forty-one employees and a number of department heads and advocates were recognized for supporting the program and making it a success. "Some of these ideas appear to be small, but in day-to-day work, they really have an impact when you multiply them over days and then by 5,000 people," Capt. Cook said.

"I appreciate your efforts to come up with ideas to streamline and make us better," he continued. "The challenges you have had to deal with now are nothing to what you are going to have to face in the next two years, and how creative you are going to have to be to preserve the essence of this facility. The budget is going to come down in a very precipitous manner and we are going to have to pull together and think of fast and more efficient ways to do things.

The captain then called up each of the awardees and discussed their adopted ideas. People honored for their ideas were:

Sharon McCormick, IDEA 001, suggested employees who leave civil service be offered the opportunity to become "substitute" workers in their former work group.

Peggy Shoaf, IDEA 002, proposed a waiver of current sick leave regulations, allowing employees to use sick leave

when they care for a family member. Marcia Amundson, IDEA 009, asked for increased training in range safety and access information.

Kelly Meeks, IDEA 010, proposed additional information (code and work phone number) on travel orders for employees relocating to China Lake.

Patty Caraker, IDEAs 014 and 015, suggested Transportation provide copies of repair documents to customer codes to help track vehicles' maintenance history and offered a way to provide more accurate information on the utilization report.

J. Romeo Riojas, IDEA 019, suggested accounting for checked-out equipment take place during the employee's performance review.

Ann Yates, IDEA 025, suggested pulling the paper trays out of the laser printers before turning them on to save paper during initialization.

Steve Fowler, IDEA 027, suggested the establishment of a TQL Award.

Cynthia E. Wilson, IDEA 30, proposed a centralized and computerized Help Desk System.

Diana S. Heeke, IDEA 039, urged sanction of the use of approved degaussers of classified media by affixing a sticker on the machine.

Richard F. Barr Jr., IDEA 041, suggested providing a plastic card for the display of service pins.

Al Cleland, Ralph Pinto, Linda Murray and Tom McConnell, IDEA 049, offered ways to economically assemble an emergency supply kit.

Marsha Gabri, IDEA 050, suggested a kind of receptacle for gathering paper for recycling.

Capt. J.R. Williams, IDEA 062, recommended the Plan of the Day be made available electronically.

James Horner, IDEA 066, urged signs warning people of the dangers of 'blind' doors.

Leah Pauls, IDEA 070, thought of

options for recovering erroneously collected sales tax from bankcard purchases.

Ann Roseman, IDEA 073, advised stubs not be divided when purchasing whole systems of computer equipment, saving time and money by ensuring the receipt of compatible equipment.

Judy Talbot, IDEA 086, suggested the originator's name be put on computerized financial reports for clarification purposes.

Debra Schlick, IDEA 089, urged Supply Operations to send copies of all shipping requests to Equipment Management, to save customer time.

Grace Miskimen, IDEA 096, developed a less awkward IDEAs form.

Ruth Wesche, IDEA 107, suggested stocking cans of compressed air for cleaning computers rather than gasses containing CFCs.

Randi Clark, IDEA 108, suggested a "quick reference page" of the access basics and how to order.

Sylvia Hillesland, IDEA 118, said consolidating four different J.O. forms into one would simplify the process.

Robert Fitzpatrick, IDEA 119, constructed covers from old inner tubes to insulate door knobs from the hot summer sun.

Linda Peltz, IDEA 121, urged a process be established to post cancelled JOs on a computer bulletin board.

Matthew Roberts, IDEA 126, came up with a solution to the press brake dies storage problem. He manufactured "U" shaped brackets and installed them on existing die rack shelves.

David Jester, IDEA 129, designed a system to check, correct and monitor user access to computer resources.

Nicki Johnson, IDEA 130, noticed visitors didn't have easy access to electronic mail and suggested offering the use of terminal with connections to the Defense Data Network.

David C. Moore, IDEA 144, proposed

a computer timecard to help automate the time-keeping process.

Vic Walking, Code 3944, IDEA 150, redesigned some parking spaces at Michelson Lab to facilitate safety.

James C. Rudeen, IDEA 154, wanted to set up multiple computer terminals for self-entry.

Gloria Dominguez, IDEA 158, suggested rather than generating a W-2 every time a Household Expense claim was made, that Disbursing create a spreadsheet and forward it to Payroll.

Gerry Powell, IDEA 195, said the NCPDS-generated form sent to supervisors at the end of a new employee's probationary period was inadequate and more information was needed.

Richard Klabunde and Allen Robins, IDEA 196, proposed a change to the building numbering system for their building, thereby accounting for different codes in the building.

Regina Willis, IDEA 204, suggested a drop box at the Visitor Center for use after hours.

Larry Jenkins, IDEA 218, suggested a single file for computer-generated forms using common information.

Jeanette Roy, IDEA 219, noticed there wasn't any lighting outside her building, creating a safety and security risk.

"It was good to see the amount of support we have by the large number of people who attended the awards ceremony," said Melanie Truesdale, of the IDEAS Office.

"While the people who received the plaques and other gifts originated the ideas, without the support of the advocates and department heads, the ideas wouldn't be able to go anywhere, and this program couldn't be the success it is. We deeply appreciate everyone's support, from the people who originate the ideas, to the people who investigate their feasibility, to the people who implement them."

Movement of aircraft for CO change ceremony may cause traffic to be delayed

In preparation for the formal ceremony establishing the Naval Air Weapons Station (NAWS), China Lake and change of command, two aircraft will be moved from Armitage Field to mainside on Tuesday, Jan. 21, and will return to the airfield Wednesday, Jan. 22 immediately following the ceremony.

Traffic will be delayed on the route from 2 to 3 p.m. Tuesday and from 3 to 5 p.m. Wednesday, depending on completion of festivities.

The route is Range Access Road to Easy Road (in front of the Range Control Center) to Sandquist Road to Knox to the Headquarters Building. In the event of bad weather, the aircraft will continue east on Blandly Ave. to be parked in Bennington Plaza.

To avoid the procession follow Pole Line Road (first intersection past Lauritsen Gate, to Water Road to Easy Road or Range Access Road at the Range Control Center.

New rates for housing rent are announced for NAWS, China Lake

Information on the adjustment in civilian rental charges for Naval Air Weapons Station housing has been received from the Western Division of the Naval Facilities Engineering Command.

Effective Feb. 1, the shelter rental rates will increase 6.8 percent over the baseline rates established by the revised rental appraisal conducted in 1990. These rates reflect the Bureau of Labor Statistics Revised Consumer Price Index (CPI) adjustment required to bring rates current. Utility rates are being reviewed and, if needed, will be increased at a later date.

Active duty military personnel assigned to public quarters are not affected by the change.

Type	Rent	Utilities	TOTAL
SOQ (4)	\$1,319.40	\$159.30	\$1,478.70
SSQ (3)	792.60	165.60	958.20
SSQ Saratoga	617.10	142.80	759.90
Sierra (4)	953.10	144.30	1,097.40
Coso (3)	822.00	142.80	964.80
Panamint (4)	736.50	144.30	880.80
Panamint (3)	710.10	142.80	852.90
JOQ (Rear Terrace) (3)	739.80	142.80	882.60
JOQ (Front Terrace) (3)	689.70	142.80	832.50
JOQ (Front Terrace) 1 Bath (3)	580.50	132.00	712.50
JOQ (Rear Terrace) (2)	608.40	128.10	736.50
JOQ (Front Terrace) (2)	547.50	128.10	675.60
MOQ (3)	651.30	132.00	783.30
Hill Duplex (3)	558.00	137.10	695.10
Hill Duplex (2)	471.60	109.50	581.10
Joshua	716.40	144.30	860.70
Yucca (4) (Convertible)	655.20	140.40	795.60
Tamarisk (4) (Convertible)	560.40	142.80	703.20
Juniper (3)	554.70	142.80	697.50
Old Duplex (2) (Dining Addition)	471.60	109.50	581.10
Old Duplex (2)	438.30	109.50	547.80
Motel Apartment (1) With	328.50	103.50	432.00
Motel Apartment (0) With	190.50	97.80	288.30
Motel Apartment (1) Without	315.00	103.50	418.50
Motel Apartment (0) Without	177.00	97.80	274.80

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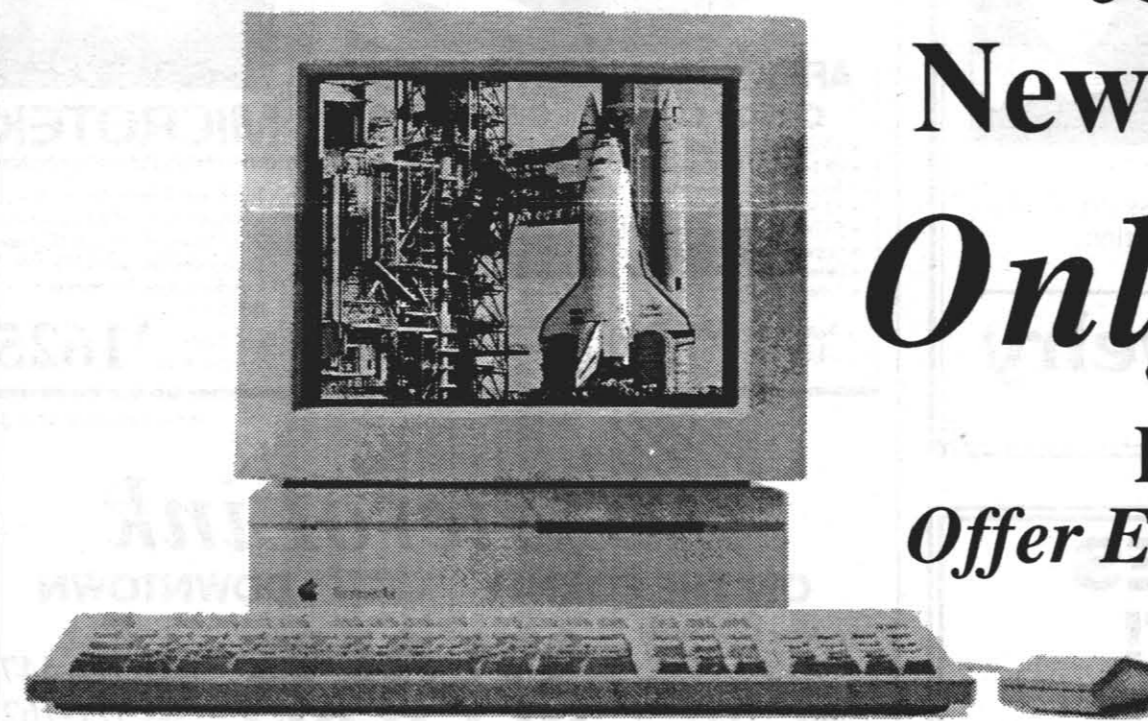
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Celebrate Dr. King's birthday

All Faith Chapel hosts special program this Sunday evening

In celebration of the late Dr. Martin Luther King's birthday, Jan. 19, members of the All Faith Chapel and the Black Interest Program of the Naval Air Weapons Station, China Lake, are co-sponsoring a special program.

Guest speaker for the event, which begins at 6 p.m. Sunday in the All Faith Chapel, will be Rev. James A. Thompson, pastor, True Love Baptist Church. Listen to scripture readings. The All Faith Chapel Chancel Choir, Grace Lutheran Chancel Choir, Ridgecrest United Methodist Choir, Union Baptist Combined Choir and Male Chorus and the All

Faith Chapel Hand Bell Choir are among the many groups participating this year.

According to a recent release, it is the groups' desire to make this event a community celebration, recognizing Dr. King's principles of peace and brotherly love.

Sponsors urge area residents to let this holiday be a celebration in the true spirit of togetherness and community; and most importantly, let the holiday be a catalyst for individuals, families, organizations and communities to serve the cause of equality, justice, freedom and peace.

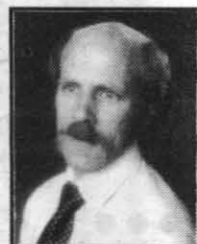
All-Volunteer Band seeking more musicians for Jan. 22 performance

China Lake employees can be part of history by joining the China Lake All-Volunteer Band. Volunteers are needed for the China Lake Band. All area bass, woodwind or percussion players can volunteer to play during the establishment and change-of-command ceremonies on Jan. 22.

Stan Ricker, band director, urges anyone interested to bring their instrument

and attend rehearsal tomorrow (Friday) at 7 p.m. in the Station Theatre. Other rehearsals are scheduled on Monday and Tuesday of next week.

On Jan. 22, Capt. Douglas W. Cook becomes Vice Commander of the Naval Air Warfare Center-Weapons Division, and Capt. B.J. Craig becomes the official commanding officer of the Naval Air Weapons Station, China Lake.



The largest flawless diamond ever to be auctioned has been sold at Sotheby's in New York for \$9.13 million. It was a pear-shaped unset, 85.91 carat stone and was rated "D Flawless" on the gemology scale for clarity. The buyer and seller were unidentified.



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Sports Division issues hoop shoot challenge

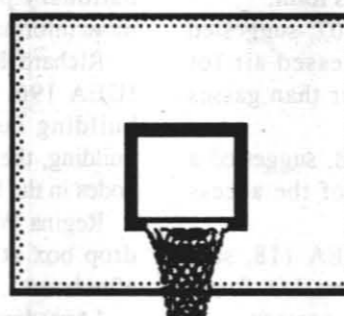
Members of the Morale, Welfare & Recreation Department's Sports Division are issuing a hoop shoot challenge. On Wednesday, Jan. 29, teams, made up of three players, will compete in a double elimination tournament at the Gymnasium, starting at 6 p.m. Awards will be given to the individuals in the top two teams.

Events being highlighted will include Free Throw — where one member of the team will shoot 15 free throws, with each basket counting as one point; Accuracy Shooting — where one member of the

team will shoot three shots from each of the five Xs that will be marked on the floor, with each basket counting as two points; and Three Point Shooting — where a team member will shoot 15 shots anywhere outside of the three-point line. Each basket made will be worth three points.

Cost is \$5 per team. Entry forms, which are available at the Gym, must be turned in no later than 4 p.m. on Jan. 24.

For more information, call the Gym at 939-6542.



Canadian Ski Patrol offers safety tips to prevent foolish accidents

(EDITOR'S NOTE: Skiing equipment is available to rent at the China Lake Gymnasium. For more information, call 939-6542.)

Skiing is a fast-paced sport that is fun and thrilling. If you add inexperience, alcohol, bad weather or poor equipment, however, fun and thrills can turn into fear and tragedy.

To make sure you aren't held together with a cast or pins when you return from your ski trip, follow this advice from the Canadian Ski Patrol System:

Condition yourself for skiing with pre-season exercises.

Be sure all your equipment is the right size and type for you and is in good repair. Always note weather conditions and dress suitably.

If you are unfamiliar with a ski area, study its trail map carefully to select suitable runs. Only ski trails within your abilities.

Before making your first run, loosen up your muscles and check the bindings of your skis for proper release. Recheck them throughout the day.

When skiing downhill and overtaking others, call out you are passing to the left or right.

Do not stop in the middle of the hill, in a spot where you will not be visible, at the intersection of trails or where you will get in the way of skiers loading or unloading from lifts.

When walking or climbing in a ski area, always wear skis and keep to the sides of trails or slopes.

Become familiar with hill-coding signs and trail markers. Obey traffic signs and regulations set out by the ski area.

The Naval Safety Center also has recommendations for a safe skiing trip. Know the location and phone number of the nearest first-aid station or emergency medical service.

Ski with a friend or a group. It's good to have someone around in case you need help.

Secure long hair, loose clothing and scarves. They may be caught by lift or machinery parts.

Stop when you are tired, before your reaction time slows.

Don't drink alcohol until you have finished skiing for the day. Alcohol impairs your judgment, actions and reactions.

Excerpted from Safetyline

Annual AWARD BANQUET

The Community Light Opera and Theater Association will host its annual awards banquet on Saturday, January 25 at Farris' at the Heritage.

Shows for which awards will be presented this year are "NUTS", "MAN OF LA MANCHA", "SIDE BY SIDE BY SONDHEIM", and "NOISES OFF". Categories include lead and supporting roles, both male and female, direction, musical direction, both vocal and instrumental, set design and construction, lighting, costuming and choreography. A panel of judges participates each year in secret balloting for the various award categories.

Social hour will begin at 6:00 p.m., with a buffet dinner at 6:30. Tickets for the banquet are \$15.00 and will be on sale at Ridgecrest Cleaners. The deadline for the purchase of tickets is Thursday, January 23. Advance purchase of tickets is required as seating is limited.

Be sure to put this event on your calendar, and don't be late purchasing your tickets. This promises to be an evening of fun and remembrance.

For additional info, please contact: Glenn Aichlmayr 446-6690 (Day), 446-2470 (Eves)

NEW PRODUCT SHOW
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- New Product Information: 71450 Optical Spectrum Analyzer and Lightwave Products 8791 Model 21 Frequency Agile Signal Simulator

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APPLE From Page 14

copyrights, mask work protection and trade secrets will be handled. The general approach is that Apple may commercially exploit the intellectual property resulting from the joint efforts, but the government shall not be charged for use of the resulting products, and shall in fact receive a royalty for sales of such products.



Elaine Wunderlich

The CRDA is not structured to help the Apple user with day-to-day operational problems. These are handled through a variety of other channels; for example, the PC Lab is available for software support and consulting service. Maintenance contracts with Pulau Electronics Corp. cover much of the routine maintenance and repair of computers and associated products. Apple Federal Support Coordinators—NWC employees who are focal points of advice and expertise for aggregations of 50 to more than 300 computers—receive support from Apple in the form of support tools, product specifications, classes, and the like. Two NWC-endorsed user groups, Computer Network Users' Group and the Network Users and Technical Servicers, offer forums for problem solving and support. Finally, there is AppleLink, an electronic subscription service to answer questions and give advice on Apple and Apple-related products.

Despite these resources, there is ample room for the unique services of Apple's resident systems engineer. Richard Schlein is kept busy helping with issues ranging from upgrading the Apple Talk network to the new and enhanced Phase II, to Macintosh integration with the VAXs, UNIX work stations, MS-DOS systems, and even the Cray supercomputer. As soon as the new NWC telecommunications system is operational, he will begin testing Macintosh integration with the telephone switching system.

NIS offers special briefings for departments, codes

Fraud and/or foreign counter-intelligence awareness briefings will be held by the Naval Investigative Service Crime Information Activity at Naval Air Weapons Station, China Lake to all NAWS activities or codes upon request. Briefings should be limited to a maximum of 25-30 people. Interested personnel should contact Special Agent Baer at 939-6646 to set up appointments or for additional information.

About half of his work is as a conduit, facilitating effective communication between the various NWC departments and the right person among Apple's 13,000 employees to provide needed help. The rest of Schlein's time is spent applying his own expertise to improve the NWC computing environment. In this task he is assisted by a special AppleLink connection allowing him to electronically pick his company's brains for information.

Benefits of the CRDA to both Apple and the government—and to NWC in particular—are numerous. For NWC, the agreement offers an on-site expert who can bring Apple's full range of resources to bear on a given area. Through the Apple representative, China Lakers have a direct line to express their preferences for products and improvements that will best suit the needs of the R&D community. Within the Center, Schlein brought together individuals and groups working independently to meet very similar computing challenges. The resulting collaboration has reduced the incidence of "reinventing the wheel" and has increased productivity.

Apple also sees positive results from the CRDA. The Center's complex computing environment offers an ideal site for Beta testing of new products. (The flip side of this benefit is that Beta testing also allows NWC a significant input into the finished product.) Since Apple has a user-centered design philosophy, customer input is critical. When NWC employees run into problems with an Apple product, the company attempts to change the product rather than teach users how to avoid the problem. NWC's thousands of Mac users, therefore, provide the company with invaluable insights into the computing needs of the R&D community. Finally, the CRDA provides Apple with a leveraged model for its products. Many in the Department of Defense look to NWC as a leader in how to do R&D; therefore, Apple products and services that work at the Center are likely to be favorably received at other government R&D organizations.

How effective is the CRDA? Apple and NWC agree the arrangement is working well so far. As both organizations evolve and the needs and directions of each change, the agreement can be modified (the Statement of Work is even now being updated). The partners also agree the NWC-Apple CRDA is an excellent step toward bringing industry and government together in a relationship that is good for the stockholders—and for the taxpayer.

What CRDA between China Lake and Apple includes

- a. Studies, analyses and engineering investigations of such situations as using the Macintosh computer as a visualization workstation, Apple to Cray computer connectivity, real-time programming issues, performance issues, new/modified components or systems being considered for integration into Apple/VAX networks and/or clusters.
b. Studies, analyses and engineering investigations and problem resolution in support of the Apple/VAX network facilities, with emphasis on controlled access and a secure Apple/VAX network design. This task will include analysis of future Apple/VAX connectivity.
c. Studies, analyses, engineering investigations of E-mail systems.
d. System resource evaluations, including capacity evaluation, system enhancement proposals, networking architecture definition, physical layout, heating, cooling, and electrical requirements.
e. Analysis, integrations and support of Apple products to other Apple products, to 3rd party Macintosh products, and Digital Equipment Corporation products. Will include coordinating non-disclosure briefings and other Apple presentations.
f. Development of a plan for the conversion of Apple Talk Phase I to Apple Talk Phase II, and perform problem analysis and resolution during conversion.

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SPEDI A2P Hardware Supplies' News. Hot sellers this past week: Farallon AppleTalk Connector, Kensington Trackball ADB mouse for Mac SE & Mac II #62360, SyQuest: 44MB disk cartridge #SQ400, IOMEGA/Bernoulli tripak (3ea) 20MB #S0700378, IIT 10MHz AT math coprocessor #2C87-10. A few of the new items available starting this week (you can order now): 90MB Bernoulli transportable (req Mac or IBM interface) #S0700426-TRAN, 600MB SCSI hard drive, Mac & IBM vers avail memory, IBM 4MB 70ns SIMM #4MBX9-70, 250MB tape drive, IBM int #DJ-20, Pinnacle Micro CD-ROM internal, IBM & compat, incl ctr & CD-ROM #PCD-100, US Robotics 9600baud ext modem #0066-00. Computer Store 251 Balsam St. 375-5744

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SKAAR From Page 1

Parris then introduced Capt. B.J. Craig, prospective Commander of the Naval Air Weapons Station (NAWS), China Lake, who made the formal presentation.

The 1991 runnerup for the Kit Skaar award was Larry Boyer of the Research Department. Capt. Craig read, and presented Boyer, a Dec. 31, 1991, congratulatory letter from Capt. Douglas W. Cook, Commander of the then Naval Weapons Center (NWC).

"For several years you have demonstrated very high standards of safety, professionalism and resourcefulness in performance of your duties as a firing officer," the letter read in part. "Your research work and successful testing of energetic materials, new propellants and explosives contributed to the Center's excellent safety record."

Then Capt. Craig called Seaman to the podium to present him the Outstanding Firing Officer Award—a wooden cube with one corner sliced off, with small gold-on-black plaques on all surfaces, including the beveled corner, topped with a fuzed,

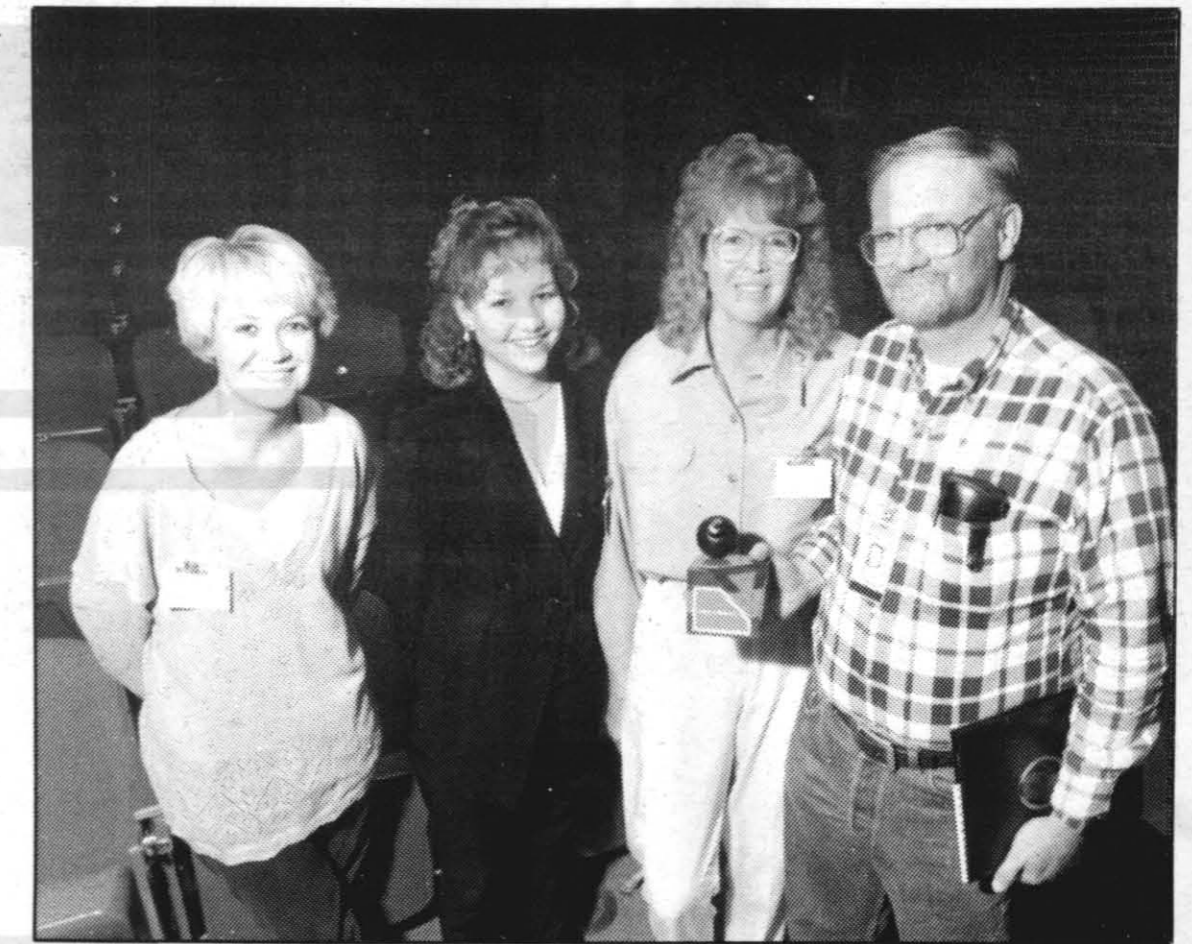
small black replica of an old-fashioned spherical bomb. The folder containing Seaman's letter from Capt. Cook also contained a yellow rectangular piece of paper.

"This one has something extra in it," Capt. Craig said, as he opened the folder and looked at Seaman. "I won't say what it is, because you might have plans for it." Then, turning the open folder, revealing the check, toward Seaman's wife Carol, the captain said, "But it looks like this."

In addition to lauding the recipient for his high standards of safety, professionalism and dedication, Capt. Cook's letter read, "The numerous test firings involving an array of incoming targets, ranging from missiles and projectiles to aerial targets towed by manned aircraft, have contributed to the excellent safety record achieved during Phalanx Gun System testing."

Seaman's daughters Kim and Colette were also on hand to see dad get the coveted award.

He is a native of Yakima, Wash.



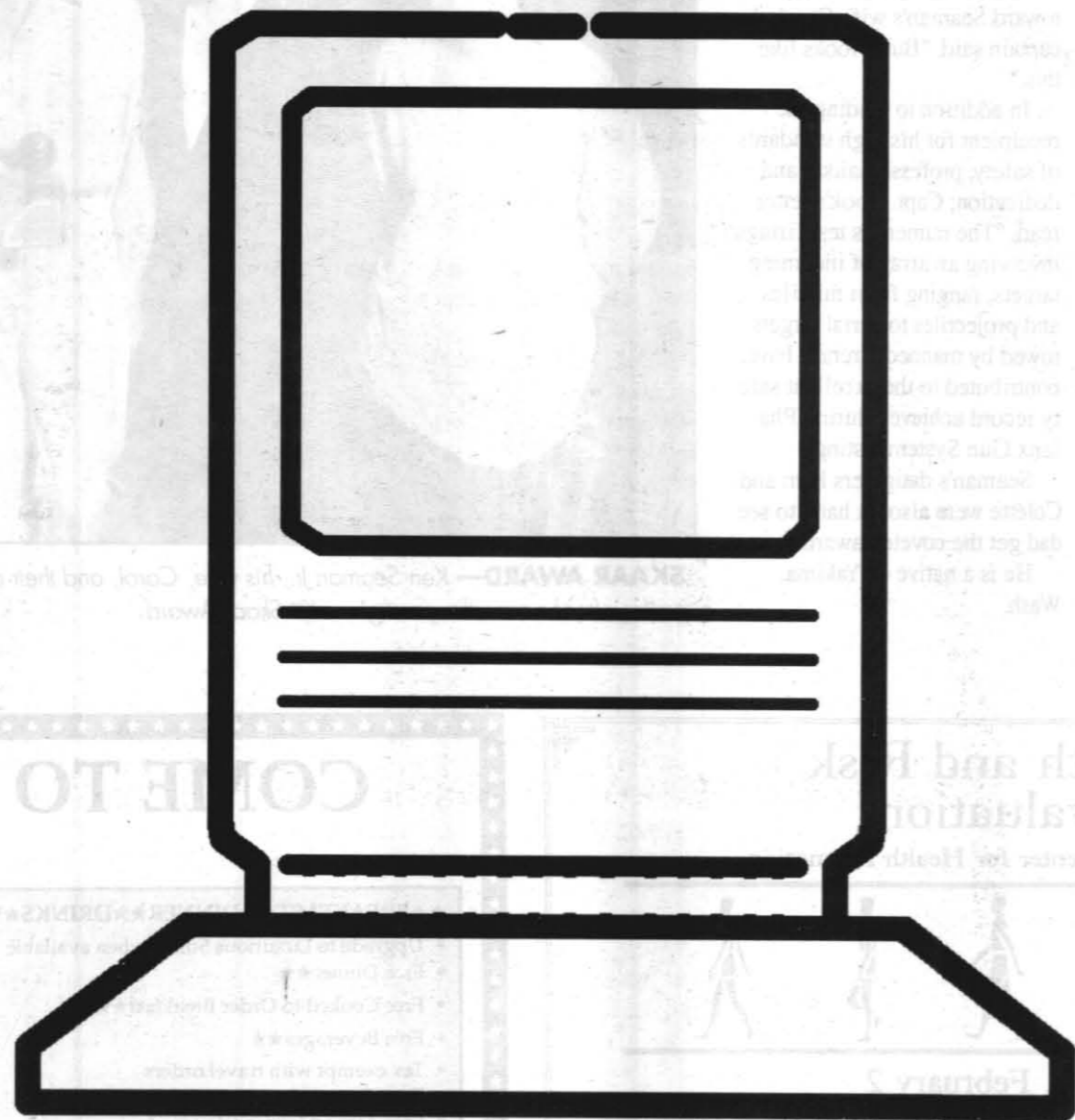
By Terry Pascarella

SKAAR AWARD—Ken Seaman Jr., his wife, Carol, and their daughters Kim and Colette, were all smiles after he won the prestigious Kit Skaar Award.

Health and Risk Evaluation. Loma Linda Center for Health Promotion. Sunday, February 2. RIDGECREST ADVENTIST CHURCH 555 Las Flores. \$152 Package 1: TREADMILL Test, 12-Lead Electrocardiogram, Blood Pressure, Explanation of Results, Exercise and Lifestyle Counseling. \$66 Package 2: PERCENT BODY FAT - Determined by Skinfold Measurements, COLON CANCER SCREENING TEST, COMPUTERIZED HEALTH ANALYSIS. \$180 Package 3: PACKAGE 1, PACKAGE 2. DISCOUNTS GIVEN TO THOSE COVERED BY MEDICARE. Appointments and Information Center for Health Promotion 1-800-824-4949. Future Sites Include: Westminster Adventist Church, Santa Barbara Adventist Church, Loma Linda School of Public Health, Rolling Hills Adventist Church.

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Compu Chatter

By Donna Hansen
PC Lab

New virus data available from China Lake PC Lab

Novell, Inc. has inadvertently sent diskettes infected with the Stoned-3 virus to Novell Netware customers. These disks are labelled "Network Support Encyclopedia - Standard Volume Update." The Novell part number for these disks is 883-001495-004. Infected diskettes were distributed from Dec. 9-16.

The Stoned-3 virus is a minor variation of the Stoned virus. This virus infects the boot sector of a hard disk or floppy disk and will sometimes display the message: "Your PC is now Stoned!... LEGALISE MARIJUANA!"

This virus becomes memory resident and will infect any other disks accessed by the PC.

Pick up Scan v85 in the PC Lab and scan all disks before using. If you find a virus, contact the Virus Incident Response Team (VIRT) located in the PC Lab, 939-6631.

MACWORLD EXPO

Sharon and I are looking forward to a very exciting and informative stay in San Francisco this year. We expect to bring back TONS of Mac-related information to China Lake, so be sure to check with us for new literature, demos, etc.

JP&Coop Corner

By Jim Alley
JP/Coop Writer

Photos sought depicting past for scrapbook

Photos of past JP/Co-op activities are being sought. Dawn Marek is putting together a JP/Co-op scrapbook and is seeking old photographs of past JP/Co-op events. If anyone has such photographs to contribute, please call her at 939-2983.

Better Briefings for JPs will be conducted by Dr. Mim Cartwright sometime in January. This course will be about four evening hours per week over a four-week period. Dr. Cartwright will also be available for one-on-one coaching. To register for the course, call Pat Baczkiewicz at 939-3371 or Lois Reed at 939-3465.

Congratulations to Dawn Marek, a JP in Code 3594, whose team won the American Institute of Aeronautics and Astronautics' Loral Team Space Design Competition Award. The winning design was a Self-Unloading Reusable Lunar

Lander. Marek is a graduate of Virginia Polytechnic Institute and arrived at the then-NWC in June.

Don't get lost in the move! If you have recently changed tours or have found a permanent home, please drop a note in guard-mail to Lois Reed in Code 3517 or by E-Mail on the SCF cluster to ::REED. Be sure to include your new code and phone extension.

If you are a **basketball enthusiast**, the JP/Co-op recreational basketball team can use you. Contact Glenn Flood at 939-2119.

To place a news item in the **JP/Co-op Corner**, or to obtain more information on any of the topics mentioned above, call Jim Alley at 939-6605, or Pat Baczkiewicz or Lois Reed at the extensions mentioned above.

TSP open season nears an end

Open season for the Thrift Savings Plan Program is currently in effect and will continue through Jan. 31. Any employee eligible to enroll in TSP can now register. TSP is a great way to investing in the future, whether it is for retirement, a dream house or the children's education. It is never too soon and a person is never too young or old to plan for a secure future.

People already contributing to the program are reminded that open season is the only time they can change the amount they are contributing.

The TSP Program has features that include government matching contributions for FERS employees (up to 5 per-

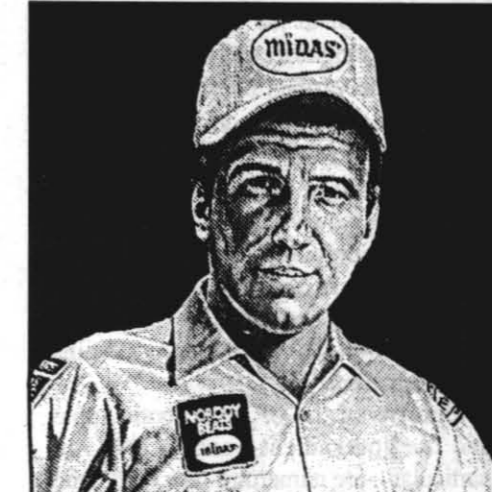
cent), a loan program and a diversity of investment options.

According to the last TSP Fact Sheet, the most current rates of return for the three investment funds are:

•November — C Fund, -3.96 percent; F Fund, .89 percent; and G Fund, .61 percent.

•Last 12 months — C Fund, 20.57 percent; F Fund, 14.07 percent; and G Fund, 8.23 percent.

Employees wishing to enroll, change their contributions or change fund elections in TSP should contact their PMA team in the Human Resources Department.



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TECHNICAL HIGHLIGHTS

Apple joins China Lake effort

Special partnership benefits both groups with technology advances

By Cliff Lawson
TD

To most of us, the Macintosh computer on the desk or lab bench is just another tool, a handy piece of equipment for word processing, number crunching or test control. But to a small group of Naval Weapons Center and Apple Computer, Inc., personnel, that Macintosh computer is one of more than 4,000 players in a vast information-technology experiment called the NWC-Apple Cooperative Research and Development Agreement (CRDA). The partnership is an example of how industry and government, working together, can advance the state of the art in information technology and at the same time solve problems that would be daunting to either alone.

Apple Computer is one of the largest producers of personal computers, and NWC is one of the largest single-site military users of Macintosh computers and other Apple products. Usually, Apple provides technical support to their customers through authorized dealers. While this approach is suitable for smaller customers, it was clear by 1989 it would not meet the research-and-development needs of such a large and complex organization as NWC. In mid 1989, Ed Kutchma, head of NWC's Aircraft Weapons Integrations System Department, and Chuck Jones, of the Information Systems Group (Code 27), visited Apple to request corporate-level support and coordination.

From this meeting emerged the idea of having an on-site engineer at NWC, an individual to help develop solutions, plan strategies and break "log jams" associated with the Center's burgeoning Mac population. That concept was endorsed by Bill Ball, head of Code 27, who tasked Pat Connell and Judy Martin to establish a framework within which an Apple senior systems engineer could work here. The problem, as always, was money; the cost of contracting for a full-time representative with the high level of skills needed for the job was beyond the budget of the group.

The Code 27 team quickly realized the Center had something to offer Apple besides money: NWC's unique computing environment. This environment is particularly severe because of the extraor-

inary number of computers, the variety of applications, the stringent security requirements, the intricate networking arrangements, and the tendency of China Lakers to push the edge of the envelope in devising new ways to use equipment. With thousands of Mac users probing the limits of performance across the full spectrum of microcomputer applications, NWC is in effect an information-systems laboratory, a clearly defined environment in which to study new ways to use and network these small but powerful machines. Greg Shuk, Director of Apple's Federal Systems Group (AFSG), Doug Bloomquist, Systems Engineering Manager for AFSG, and Richard Schlein, Apple Senior Systems Engineer, agreed there was an opportunity to study the strengths, weaknesses, and potential of Apple products in a large-scale, real world, R&D environment.

The solution that seemed best for both organizations was a formal agreement to share personnel and resources. Authority for such an agreement exists in the Federal Technology Transfer Act of 1986. The solution, however, raised problems of its own. It authorizes federal laboratories to enter into CRDAs with non-Federal parties in which both parties provide "personnel, services, facilities, equipment, or other resources toward the conduct of specified research and development efforts which are consistent with the mission of the laboratory."

NWC and Apple, using that mandate, began to hammer out an agreement allowing them to share burdens and benefits of joint research. A year and a half later, after long negotiations and several iterations of the draft agreement, the CRDA was completed. It was signed for Apple by Greg Shuk and for the government by Capt. Douglas W. Cook.

Reading between the Whereas and the Here-to-fors of the 14-page agreement, one gets a picture of two large organizations working to carefully define mutually compatible goals. The agreement includes a Statement of Work (see sidebar), which sets out the broad areas of cooperative research and development.

Much of the agreement specifies how Please See **APPLE** Page 15

Computer Society plans talk by Doug Walter

Doug Walter, a mathematician in the Intercept Weapons Department at China Lake, will talk about "Fuzzy Logic" during the next meeting of The Computer Society, China Lake Chapter. The event is set for Tuesday, Jan. 28, at the Seafarer Club. Lunch will be served from 11:30 a.m. to 12 p.m., followed by the program.

Fuzzy logic is a continuous multi-valued logic, challenging the assumption that a proposition is either true or false. This method has been very popu-

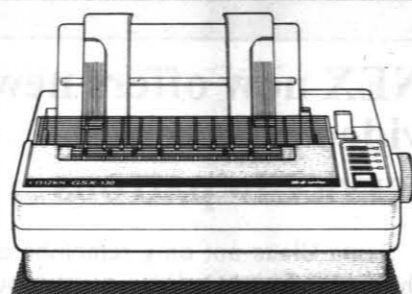
lar and successful in Japan, but has met with considerable skepticism in the United States. Zadeh introduced fuzziness to deal with problems in pattern recognition in which categories were not clear-cut, or problems involving vagueness and uncertainty. This talk will cover history and theory of fuzzy logic.

Reservations are not required and visitors are more than welcome to attend the meeting. For more information, call Clark Hay at 939-1046. Reservations are not required.

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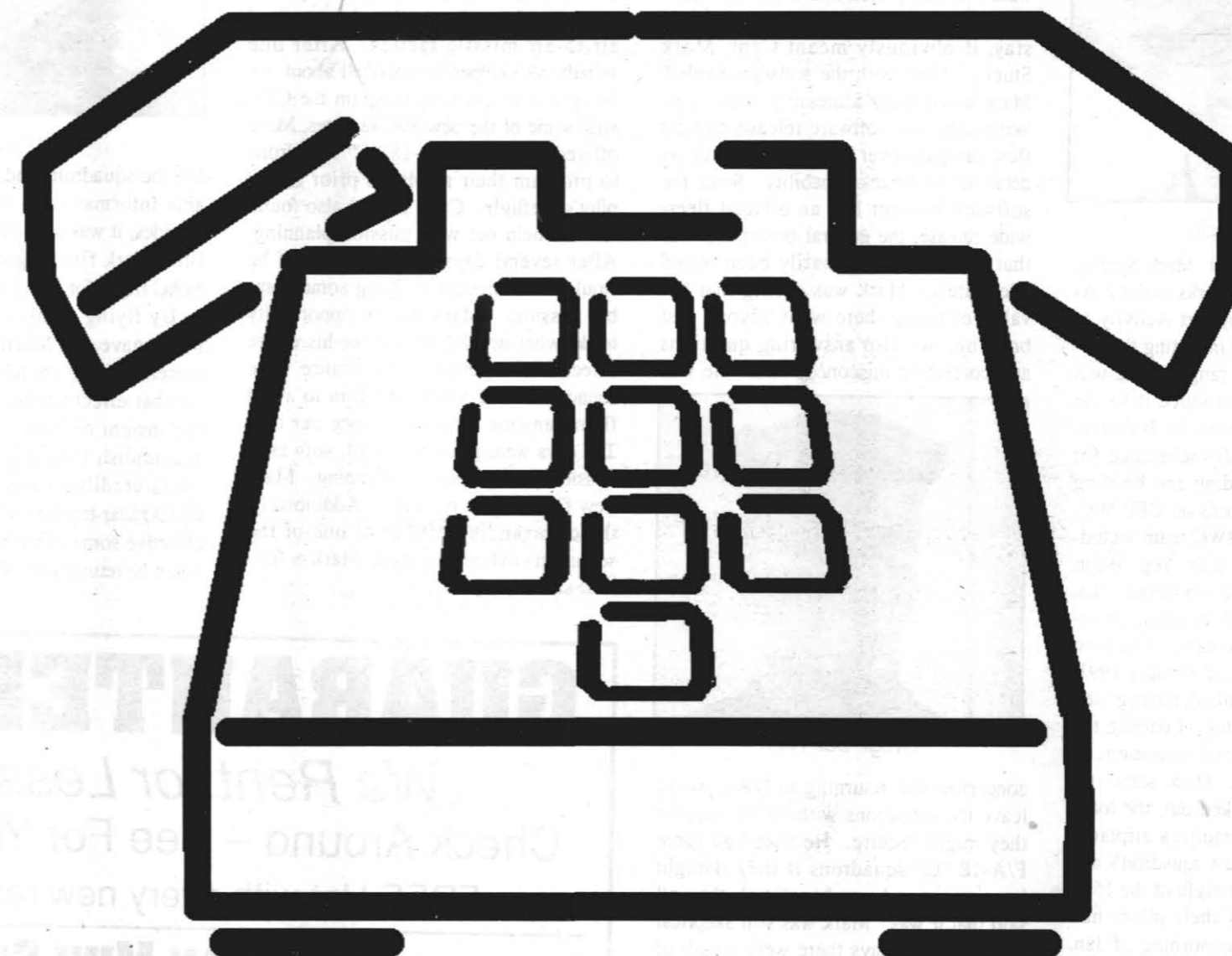
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DESERT STORM From Page 6

Operational Flight Program (OFP) for the F/A-18 aircraft introduced even though it had not yet completed its formal Operational Evaluation testing. It was important to quickly get this latest OFP—called "89C"—into fleet squadrons because of some unique weapons delivery conditions

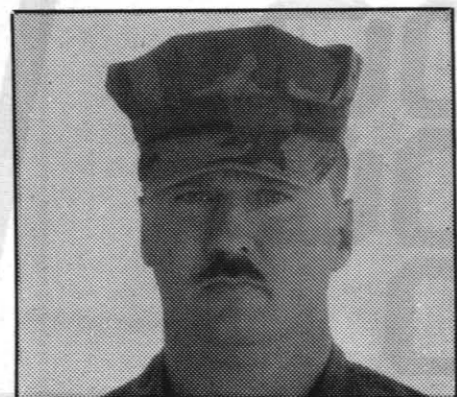


Annie Chandler

which arose in Iraq. Capt. Mark Stucky, USMC, a test pilot who works in the F/A-18 Weapon Systems Support Activity at NWC, was instrumental in testing the latest OFP on China Lake ranges so he was tasked to personally introduce it to the USMC F/A-18 squadrons in Bahrain. Mark's trip was originally scheduled for the sole purpose of loading and briefing the three F/A-18 squadrons on OFP 89C. Other members of the NWC team included Cdr. Bob Hartman, Cdr. Yogi Behr, GySgt Allen, and two civilians. Lt. Martz from VX-5 joined the group carrying some IR Maverick data. The first work day was Saturday, 12 January 1991, which was spent coordinating the briefing for the next day. Loading the first squadron's aircraft commenced immediately that night. Once some initial problems were worked out, the loading of the next two squadron's airplanes was uneventful. The last squadron's aircraft were loaded on the night of the 15th; however, only four of their pilots had flown the new OFP by morning of Jan. 17, 1991 NWC team to depart for home. Cdr. Hartman had been keeping updated Hartman had been keeping updated return trip transportation the entire week. Already they were seeing return flights cancelled due to the increased tensions

and other Military Airlift Command (MAC) priorities. The MAC office at the Administrative Support Unit in Manama did not give a "warm fuzzy" on whether their flight would actually go. On the 15th, the hotel started taping up all windows in preparation for the worst.

Prior to departing NWC, Cdr. Hartman had discussed the possibility of leaving one Navy and one Marine pilot in the Desert Shield theater to see how the software was being used and to provide feedback to NWC. He said if a Marine would stay, it obviously meant Capt. Mark Stucky. Now, with the software loaded, Mark was already addressing brush fires. With each new software release, rumors flew rampant over basic issues such as detection and track capability. Since the software had not had an official fleet-wide release, the general perception was that it had not necessarily been tested adequately. Mark was seeing that the value of being there went beyond just briefing, but also answering questions and correcting misconceptions. He was



GySgt. Dan Allen

concerned that returning to NWC would leave the squadrons without the support they might require. He asked all three F/A-18 "C" squadrons if they thought hanging around was beneficial; they all said that it was. Mark was still skeptical because some days there were a rash of questions and other days he would walk from tent to tent wasting time. After considerable discussion, Mark reached the conclusion to stay. He checked out of the hotel the morning of the 17th and hitched a ride to the base. As fate would have it,

by late afternoon they knew the war would start that night.

Immediately after the war began, Mark saw the need to more adequately explain the optimum techniques to employ the radar for high altitude deliveries. He wrote up a one-page brief which was distributed to all the Hornet squadrons discussing the best ways to bomb using the various air-to-ground modes with both old 87X and new 89C OFPs. There were a number of 89C questions, mostly concerned with sorting, radar changes, and air-to-air missile tactics. After one squadron's skipper complained about not being able to properly program the CLC with some of the new 89C features, Mark offered to all the F/A-18 "C" squadrons to program their airplanes prior to the pilot's preflight. Capt. Stucky also found time to help out with mission planning. After several days, he was asked if he would be interested in flying some combat missions. Mark saw an opportunity to do what he had trained for his entire career and he jumped at the chance. The squadrons used Mark for fill-in to avoid flying anyone more than once per day. The days were grueling for all, with each mission taking hours of planning. Mark flew five combat missions. Additionally, the commanding officer of one of the squadrons offered to make Mark a full-time squadron pilot.

Initially, Mark was planning on staying for only several extra days, but once the war started, he felt like he was both help-



Edna Fujiwara

ing the squadrons and also learning valuable information to take back to NWC. Besides, it was very hard to get MAC airlift. Mark finally got on a rescheduled MAC flight for Jan. 31, 1991.

By flying combat missions himself, Mark gave the Marine Aviation group better training thereby increasing their combat effectiveness. It also gave him the insight on how they were trying to accomplish their mission and made his ideas credible since he could use his HUD/radar tapes to show how simple yet effective some of the techniques could be when he returned to NWC.

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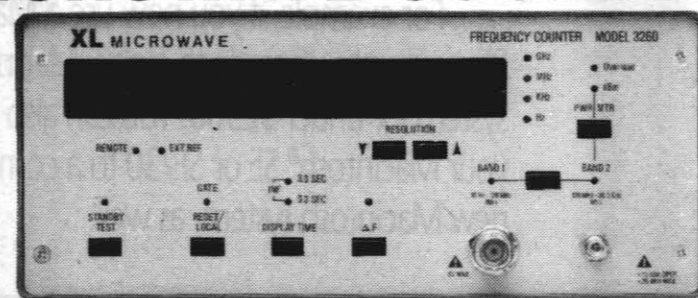
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PW Department responds to community

When Burroughs High School had problems with their heating system just before the Christmas break, the school's principal, Joe Carlson, called Capt. J.R. Williams, the Naval Air Weapons Station, China Lake, Public Works officer. Capt. Williams referred Carlson to Lt. Douglas Tunison, PW's project manager, for help.

According to Lt. Tunison, two AC equipment mechanics from Public Works, Larry Privett and Chad DePew, went to Burroughs to check out the system. "It was a very old hot water heating system," Lt. Tunison said. "The pump had totally

broken down. Because it was so old, replacement parts weren't available in Ridgecrest. It had to go to Bakersfield to be rebuilt, leaving the school without heat."

With temperatures in the classrooms registering in the low 50s and one more week of school before the Christmas break, the two veteran China Lake mechanics knew something had to be done. After a thorough inspection of the system, they came back to China Lake and scrounged up an old pump as a temporary replacement.

Privett and DePew modified it to fit Burroughs High School's heating system. Because of their efforts, students and faculty at Burrough's High School have the heat they need while the school's pump is being rebuilt.

"People at Burroughs High School very much appreciate the cooperation we have had from the Naval Air Weapons Station, China Lake," Carlson said. "They rescued the more than 300 students we have in classes at any given hour during the day. Their help was invaluable."

NEX now offers new video tape rental service to patrons

Santa Claus not only remembered children this past holiday season, but adults as well. While children were playing with their new toys and parents were preparing for the new year, the Video Exchange opened its doors aboard the Naval Air Weapons Station. Located next to the Barber Shop in Bennington Plaza, the new store is open from 10 a.m. to 8 p.m. Sunday through Thursday and from 10 a.m. to 10 p.m. on Friday and Saturday.

More than 3,000 movies are available to rent, including new releases and children's movies. Rental prices are \$2.50 per night for new releases, \$1 per night for children's videos, and \$2 per night for all others. VCRs can be rented for only \$4.95 per night. A late fee of \$1.50 per night will be charged for tapes returned after the due date. All tapes are due in by 5 p.m. the next day.

According to Ens. Michael Corsey, manager of the Navy Resale Activity at China Lake, this new store was created to aid military members (active duty, reservists, and retired) and their families. "The Navy Exchange only had 50 videos to rent," he said. "And to rent them, the customer had to stand and fill out a long questionnaire. In addition, we couldn't get any of the new releases. To alleviate this problem, we thought of bringing a contracted operation on board."

The Navy Exchange will receive a percentage of each rental.

"This is my way of doing something for the military at China Lake," Ens. Corsey said. "The store will stay as long as the owner is at least breaking even."

For movie availability call the store at 446-5804.

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Personnel News (Continued)

orally and in writing. Promotion potential to DG-3.

No. 30-001, Mathematics Technician, DT-1521-A, Code 3033- Multiple Vacancies - This position is located in the Weapons Planning Group Department, Weapons and Tactics Analysis Center (WEPTAC) War Game Support Branch. The incumbent actively participates in military war games and simulations based on a working knowledge of the war gaming systems and software as well as Navy tactics, doctrine and terminology, utilizing a computer terminal. Incumbent provides initial instruction on work station equipment, range of permissible commands, and basic operation and capabilities of the system and war game models. **Job Relevant Criteria:** Ability to operate a computer terminal; Ability to communicate orally; Ability to communicate in writing. Must be able to obtain and maintain a Top Secret clearance. See notice regarding drug testing above. Promotion potential DT-2, but not guaranteed.

No. 31-001, Supervisory Interdisciplinary (General/Mechanical/Aerospace/Electronics/Electrical/Industrial Engineer/Physicist/Mathematician/Computer Scientist/Operations Research Analyst), DP-801/830/ 850/855/861/1310/1520/1550-3/4, Code 3197 - This position is that of Head, AH-1 Systems Engineering Branch, Systems Engineering Division, Aircraft

Weapons Integration Department. The branch provides systems and software engineering for the AH-1 helicopter. As Branch Head, the incumbent directs a multi-disciplined staff which provides tactical system design, algorithm development, functional analysis, tactical software design, system and software testing and implementation for the AH-1 helicopter. **Job Relevant Criteria:** Knowledge of tactical systems software including operational software development and digital computer simulation; knowledge of affirmative action principles including willingness to implement EEO practices; knowledge of aircraft systems including avionics and the systems engineering process; ability to plan, organize, coordinate, and manage a technical program; ability to perform as a first-line supervisor; and ability to influence and motivate others. The incumbent may be required to serve a 1-year probationary period. The full performance level for this position is DP-4. This vacancy announcement closes on 23 Jan 92.

No. 31-002, Supervisory Computer Specialist, DP-334-3/4, Code 3197. This position is that of Head, AH-1 Systems Engineering Branch, Systems Engineering Division, Aircraft Weapons Integration Department. The branch provides systems and software engineering for the AH-1 helicopter. As Branch Head, the incumbent directs a multi-disciplined staff which provides tactical system design, algorithm development, functional analysis, tactical soft-

ware design, system and software testing and implementation for the AH-1 helicopter. **Job Relevant Criteria:** Knowledge of tactical systems software including operational software development and digital computer simulation; knowledge of affirmative action principles including willingness to implement EEO practices; knowledge of aircraft systems including avionics and the systems engineering process; ability to plan, organize, coordinate, and manage a technical program; ability to perform as a first-line supervisor; and ability to influence and motivate others. The incumbent may be required to serve a 1-year probationary period. The full performance level for this position is DP-4. This vacancy announcement closes on 23 Jan 92.

No. 31-004, Supervisory Interdisciplinary (General/Mechanical/Aerospace/Electronics/Electrical/Industrial Engineer/Physicist/Mathematician/Computer Scientist/Operations Research Analyst), DP-801/830/ 850/855/861/896/1310/1515/1520/1550-3/4, Code 3103 - This position is the AH-1 Project Manager located in the AH-1 Project Office, Aircraft Weapons Integration Department. Incumbent is responsible to the Department Head for the management, supervision and administration of the AH-1 Project Office. Responsibilities include the development, supervision and/or monitoring of plans, schedules, manpower, progress and expenditures associated with assigned tasks. **Job Relevant Criteria:** Knowledge of affirma-

tive action principles including willingness to implement EEO practices; ability to provide technical coordination of the AH-1 SSSA; ability to interface effectively with on-Center and off-Center organizations; ability to communicate both orally and in writing; ability to administer program planning, scheduling, and expenditures. Promotion potential is DP-4, however, promotion is subject to review and approval of Center Management. The selectee may be required to serve a one-year probationary period for supervisors. This ad will close 23 January 92.

No. 39-001, Security Clerk, DG-303-2/3, Code 39404 - This position is located in the Technology Office of the Electro-Optics Guidance Division, Intercept Weapons Department. The incumbent is responsible for assisting in the day-to-day operations of the office in a variety of areas, such as record management, security management, and administrative support. **Job Relevant Criteria:** Knowledge of NWC Security Policies and Procedures. Ability to communicate orally and in writing. Ability to deal effectively with all levels of personnel. Incumbent must also be able to obtain and maintain a Top Secret Clearance based on a Special Background Investigation. Promotion potential to DG-3, but not guaranteed. The person in this position will be subject to urinalysis testing for use of illicit drugs. See "NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS" in the Promotional Opportunities box above.

Secretarial opportunities

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

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

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

No. 39-048, Secretary (Typing), DG-318-1/2, Code 39B1 - This position is located in the Advanced Technology Applications Office of the Intercept Weapons Department. The incumbent will provide secretarial support and serve as junior secretary to the Project Office. Knowledge and experience on the Macintosh is desirable but not required. The full performance of

this position is DG-2. Incumbent must be able to obtain a TOP SECRET clearance with SBI. The person selected for this position will be subject to urinalysis testing for use of illicit drugs. See "NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS" in "Promotional Opportunities" box above.

Human Resources Development*(Continued)***Training Center: By: NWC Staff.**

Intended Audience: New employees.

Scope: Our program starts with a welcome aboard by Capt. Cook and a Center overview by our Technical Director. Other topics included in the program are standards of conduct; training opportunities; security; employee assistance program; ideas; continuous improvement program (TQM); and fraud, waste and abuse.

Enrollment is accomplished via your department offices. Each new employee will be contacted and approved by their department offices.

Note: If, as a new employee, you have a question regarding attendance of the program, please call your department offices.

Your department office will contact you about attending the orientation. If you wish to attend, ask your department to add you to their list.

Presentation Method: Seminar.
Deadline: **21 January.**

TIME MANAGEMENT (8 hours)

11 February; Tuesday, 0800-1600; Training Center. By: Dr. Suzanne Hard, Consultant.

Scope: If you have trouble setting priorities and sometimes you feel you are just "spinning your wheels" rather than making progress, this class is just what you need. Most of us procrastinate by putting off tasks, which results in additional

anxiety and stress in our work and home environments. Class topics include, but are not limited to, right brain versus left brain, delegation, setting priorities, inventory of how you spend your time, interruptions, and scheduling.

This class is intended for anyone who has multiple priorities and not enough time to meet their priorities.

Note: Enrollment is on a call-in basis only. To enroll, call ext. 3159.

Presentation Method: Workshop.
Deadline: **24 January.**

BASIC CLERICAL FORUM-TRAVEL (4 hours)

13 February; Thursday, 0800-1130; Training Center. By: Codes 2854 and 3625 personnel.

Intended Audience: Clerical personnel who are new to the field or have recently moved to an office with a lot of travel requirements.

Scope: This class will provide the basic travel requirements needed to type travel orders and travel vouchers. Questions and answers will be included that will take a travel request from the traveler's hands, through the various steps and procedures, and upon completion of the trip, the journey of the voucher from the submission to payment.

No training request is required. Enrollment is on a call-in basis. Class size will be limited to 18 students.

To enroll, call ext. 3159.

Presentation Method: Lecture.

STRESS AND YOUR BODY (4 hours)

13 February; Thursday, 1230-1630; Training Center. By: Dr. Wes Youngberg.

Scope: In this seminar the latest

research in psycho-neuro-immunology and psychosomatic medicine is reviewed. The focus is on the practical significance of mind-body interactions and ways to make these interactions work in our favor. Different types and signs of stress are discussed along with ways to decrease and/or cope with stressors and negative emotions. The latest findings on the actual physiology of stress are described, including the role of knowledge, beliefs, values, attitudes and concomitant behaviors or actions. We will look at stress theory, physiology, its impact on work, play and home life, and the most appropriate ways to deal with stress and achieve a greater measure of control over life's challenges. Emphasis will be placed on the effects of stress on the immune, endocrine, and cardiovascular systems.

Presentation Method: Lecture.

Deadline: **10 February.**

To enroll in this course, please submit an On-Center Training Request to Code 2243. Point of contact is the Wellness Program Office, ext. 2468.

MEMORY IMPROVEMENT (7 hours)

18 February; Tuesday, 0800-1600; Training Center. By: Bert Barer.

Scope: The workshop examines how we recall information through our senses through short- and long-term memories. Emphasis is placed on how effective memory influences job productivity on all levels. Lecture, class discussion, and exercises examine the major factors in memory improvement—desire to remember, relaxation, mnemonic principles to remember faces and names, peg and link techniques to recall the numerical order of items, techniques for recalling phone numbers, and techniques for remembering what you read.

Presentation Method: Workshop.
Deadline: **3 February.**



Naval Air Warfare Center-Weapons Division

Naval Air Weapons Station, China Lake

Announcements

**RECRUITMENT FOR CONTRACTING INTERN**

The NAWC-WPNS Procurement Department is recruiting for a contracting intern. The position is employed by the Career Management Center, Mechanicsburg, Pennsylvania, but the working job site is China Lake.

Anyone who has completed a baccalaureate degree with a cumulative GPA of 3.45 or higher for all undergraduate coursework, or who (with college verification) has graduated in the top 10 percent of their class in a baccalaureate program may apply.

For further information on how to apply, call ext. 2218 or 2925. (Code 25)

ATTENTION MEETING MAKER ADMINISTRATORS

Anyone currently serving as an administrator for Meeting Maker, or who is familiar with the ins and outs of the program, is asked to contact Peggy Ames at ext. 1054. (Code 365)

NAVY PRINTING AND PUBLICATION (NPPSO) PRINT SHOP

Be aware that charges for any printing you have had done at NPPSO since 1 Oct '91 has not been entered into the financial system. NPPSO charge data is received via disk from NPPSO D.C., specifying the week the job was processed, the job order number to be charged, and the cost of the service. NPPSO D.C. changed their computer program on 1 Oct '91. The new programming layout has not been sent to NAWC; consequently, the disks are unreadable. We expect to receive the programming layout and process backlogged NPPSO charge data by the end of March. (Code 3402B)

MICH LAB AWARDS

The Michelson Laboratory Awards will be presented on Thursday, **13 February**, during a luncheon in honor of the recipients. The luncheon will be held at the Seafarer Club beginning at 1130.

The Michelson Laboratory Awards are designed to recognize

individuals for technical excellence based on outstanding performance of their individual duties. The award, established in 1966, is complementary to the Center's highest local award—the L.T.E. Thompson Award.

Luncheon will consist of a club sandwich, garden pasta, salad, iced tea, lemonade, and coffee for \$6.50 per person. Reservations can be made by calling ext. 2018 or 2592 no later than 1630 on 31 January. For additional information, call Dan Burnett or Cindy Smith at ext. 2592. (Code 221)

WHERE IS JAPAN GOING?

A seminar titled "Where is Japan Going?" will be presented on Thursday, **23 January**, at 1000 in the Mich Lab Conference Room B/C, by Dr. Mosstafa A. H. Talukder. Dr. Talukder will address basic research in science and technology in general, and chemistry in Japan, as well as Japan's impact on the world community, especially on the United States. Dr. Talukder recently spent 3 weeks in Japan attending two international conferences on polymers and visiting several universities.

Dr. Talukder received his Doctor of Chemical Engineering Degree from the Tokyo Institute of Technology in 1969. Currently, Dr. Talukder is a chemical engineer in the Chemistry Division of the Research Department. The seminar will also include a brief overview of Japan and TQM. For more information, contact Dr. Talukder at ext. 1644. (Code 385)

BRIEFINGS ON GPS, TARGETING, DATA LINKS, AND JAMMING THREATS

On Thursday, **30 January**, Mark Wonnacott will present two briefings on the NAVSTAR Global Positioning System (GPS). The presentation will be in Mich Lab Conference Room B/C from 1430 to 1600, and will be classified SECRET-WNINTEL-NOFORN.

The first brief, "GPS and Targeting Accuracies for Tactical Air Strikes," will include an overview of the application of GPS in strike warfare and how GPS and targeting accuracies interplay for overall mission effectiveness.

The second brief, "Review

of the Operational Vulnerability of the SLAM Weapon Data Link (WDL) and GPS Downlink to Active ECM and Unintentional Jamming," will present a brief overview of the SLAM WDL and GPS subsystems and general considerations for SLAM operations in an ECM environment. The brief also contains a review of the current, near-, and far-term ECM threats to the SLAM subsystems.

Questions concerning the brief may be addressed to Mr. Ted Fincher or Mr. Wonnacott at ext. 3616.

Note: The first brief was presented at the 2nd Annual GPS Military User's Conference (Colorado Springs—Oct '91). The second brief was prepared in support of a SLAM program office's threat assessment. Both briefs should be of interest to NAWC personnel involved in targeting, weapon effectiveness, threat analysis, or medium-long-range missile guidance. (Code 36251)

CORRECTION: CONFERENCE ROOM AVAILABILITY

Need a conference room? Tired of making numerous phone calls to determine what is available that might fit your schedule?

As many of you know, finding a conference room that is available when you need one can become quite an effort, sometimes requiring several phone calls before the task is completed.

If you have Filemaker Pro on your computer, you can now pull up information on your screen that gives you the schedules of the conference rooms in Mich Lab and the Conference Center. This will enable you to see which rooms are available and when. Once you decide on the room you wish to use you can then call ext. 1387/1336 to reserve it.

Here's how it's done:
Step 1. Select the apple share driver from chooser, then Code 27 Zone. Select PC Lab, and the public disc volume. Log in as guest.

Step 2. Open the "public disk apple share" volume that is on the right side of your monitor.

Step 3. A list of items will appear on your screen. Click on "Conference Schedules."

Step 4. The "Filemaker Pro" database file will appear on your screen. Click on the file called "Conference Room Schedules" (you must have "Filemaker Pro" to use this database). You don't

need to enter a password.

Step 5. You will see three "buttons" on your screen. Click on the button desired for up-to-date information on each conference room.

Step 6. Once you determine the conference room you wish to use that fits your needs, call ext. 1387/1336 to reserve it.

If you have any questions, call the Protocol Office at ext. 1387/1336. (Code 2101)

TEKTRONIX AVAILABLE

Available—TEKTRONIX PRISM 3002 Logic Analyzer System. Call Ron Going at ext. 3460/3542. (Code 35E)

JANUARY SIGADA MEETING

The Special Interest Group Ada is having a meeting on Tuesday, **28 January**, from 1600-1700, in Room 107 at the Training Center. Tom Roseman and Brad Clark will discuss where you go for information and free source code for use with the Ada programming language. Topics will include local gurus, Ada Software Repository (Simte 120), Ada Joint Program Office bulletin board and document repository, STARS software repository, AdaNet, available newsletters, books, and Internet E-Mail digests.

After the regular meeting there will be an Executive Council meeting at a local restaurant. All members are invited.

If you have any questions, call Tom Roseman at ext. 4812 or Brad Clark at ext. 6655. (Code 31C)

REPORT ACCIDENTAL FIRE ALARMS

Recently the Fire Division has received several false alarms when fire alarm systems were accidentally activated. Most often this is caused by construction or maintenance workers breaking an alarm wire or creating dust that activates the smoke detectors.

If you accidentally trip a fire alarm or know that a fire alarm was accidental, you should contact the Fire Division immediately, using the 3333 emergency telephone number. (Code 242)

EMBEDDED COMPUTING INSTITUTE LECTURE SERIES

ASTRAL: An Assertion Language for Specifying Realtime Systems. By: Richard A. Kemmerer, Reliable Software Group. Class will be held on Thursday, **23 January**, in Mich Lab Conference Room B/C.

ABSTRACT: ASTRAL is a formal specification language for realtime systems. The main goal for the design of ASTRAL was to have a language that is usable and for which there is tool support. The other primary goals were that it support specifications that are layered, compositional, and executable.

In ASTRAL, a system specification is structured as a collection of state machine specifications and a global specification. Each state machine specification represents a process type, whole operations (transitions) are described by pre- and post-conditions. The ASTRAL computational model is a state machine model and assumes maximal parallelism, noninterruptable and nonoverlapping transitions in a single process instance, and multicast message passing communication. Because ASTRAL is intended to support formal software development, the language itself has been formally defined.

This talk will discuss the rationale of ASTRAL's design and show how the language builds on previous specification language experiments. ASTRAL's specification style will be illustrated by presenting a phone system example. (Code 011).

GERMAN CLASS

Language courses in both beginning and intermediate German with an emphasis on conversation will be offered on Mondays from 1800-2000 in D-23 (located on the Burroughs High School campus). These courses are ideal for NWC personnel whose jobs require them to travel in Germany. The first class meeting of the second semester will be Monday, **27 January**.

For more information call Marcia Thigpen at 375-4476. (Code 3901A)

The NAWC Announcements, published by the Technical Information Department (Code 34) and edited by the Electronic Publishing Branch (Code 34121), disseminates work-related information to all Center personnel and is distributed to all departments, divisions, and branches on Friday. To ensure accuracy, all items must be submitted in writing, preferably double spaced, and must include a sponsor code and phone number. The collection deadline for submissions is 1500 Monday. The following pick-up points for material have been established for the convenience of contributors: Room 110, Training Building (Carol Corlett, Code 224), Room 1000, Mich Lab, Room 203, Administration Building (Linda Brantner, Code 28), and Room 123, TID Building. Items may be sent by FAX to 446-2619, Code 34121, ATTN: M. Allred, or mailed electronically to TID:ANC via the VAX. Questions regarding editorial policies or objectives may be directed to Code 34104.

RETIREMENTS AND FAREWELLS

CLINTON L. SPINDLER

Clinton L. Spindler is retiring from NAWC after 32 years of federal service. A retirement dinner will be held in his honor on Thursday, 23 January, at 1900 at the Kerr-McGee Center in Ridgecrest. Cost for the buffet dinner is \$10.00 (gratuity included). For reservations, gift donations, or presentations, call Peggy Mavis at ext. 3608 no later than COB 21 January. (Code 35)

HAROLD L. BENNETT

Harold L. Bennett will be retiring from NAWC after 33 years of federal service. A retirement party will be held in his honor on Thursday, 30 January, at the Seafarer Club. Social hour will begin at 1830, dinner at 1900, and presentations will follow. Dinner will include your choice of roast beef sirloin or chicken Kiev for \$11.50 per person.

Tickets may be purchased in advance. For reservations, presentations, or gift donations, contact Reba Alger at ext. 7518 no later than COB 27 January. (Code 3272)

DUANE M. POKRANDT

Duane M. Pockrandt is retiring from NAWC after 18 years of federal service. A retirement party will be held in his honor on Friday, 31 January, at the Seafarer Club. Cocktails begin at 1730 followed by dinner at 1830. Dinner includes choice of baked chicken with rice pilaf, vegetable, roll, salad, or roast beef with mashed potatoes, vegetable, roll, salad, and coffee or tea for \$8.95 per person.

Tickets sold in advance. Presentations to begin at 2000 followed by dancing at 2100. Music and DJ provided by Disc Works. For tickets, gift donations, or presentations contact Dee Dearduff-Brown at ext. 5694/5201 or Cindy Myers at ext. 5693. (Code 3146)

GENE TABB

Gene Tabb is retiring from NAWC after 27 years of federal service. A retirement dinner will be held in his honor on Thursday, 13 February, at the Carriage Inn, Ridgecrest. Socializing will begin at 1900 and a western Bar-B-Que buffet will begin at 1930. The buffet will include BBQ chicken, BBQ beef ribs, Santa Maria-style beef, baked beans, ranch beans, corn on the cob, tossed green salad, coleslaw and cornbread muffins (beverage included) for \$15.00.

Reservations must be made and tickets purchased by COB Monday, 10 February. For reservations, tickets, gift contributions, or presentations, call Regina Willis or Patty Caraker at ext. 7611. (Code 329)



HUMAN RESOURCES DEVELOPMENT

Unless otherwise noted, enroll in the following classes by submitting NAVWPNCEN 12410/73 (Rev. 12-88), Request for On-Center Training, via department channels to Code 224. (Code 224)

DELTA GRAPH PROFESSIONAL FOR THE MACINTOSH (1 hour)
23 January; Thursday, 1000-1100 or 1300-1400; Training Center. By: Deltapoint.

Scope: Demonstration of Deltagraph. Professional software to include:

- Examples of over 35 different chart types for presentation, scientific, statistics, and engineering disciplines;
- Transition effects;
- Linking other applications under system 7 publish and subscribe;

- Automatic data updating and data append;
- Postscript drawing tools including: rectangle, oval/circle, polygon, line, arrow, arc, Bezier curve, and freehand tool

Presentation Method: Seminar. Please call Annette at ext. 2451 to reserve a space.

TQM OVERVIEW (16 hours)
27-28 January; Monday-Tuesday, 0800-1600; Training Center. By: Maurice Brown,

LEAVE DONORS NEEDED

The employees listed below have been approved as leave recipients under the Leave Transfer Program. These employees have exhausted annual and sick leave because of personal emergencies and will be in a nonpay status for at least 10 days. Employees who wish to help a leave recipient may donate annual leave to the employee. NAVWPNCEN NOTICE 12630 provides specific information regarding how to donate annual leave. Send your approved request to Code 221. For additional information, call ext. 2018.

Tammy L. Berry, Personnel Assistant, Code 224

Tammy L. Berry exhausted all her leave providing care for her mother during her mother's lengthy illness.

Carolyn M. Crump, Electronics Technician, Code 6442

Carolyn M. Crump underwent surgery and is indebted for leave.

Tamm L. Thoms, Staff Assistant, Code 2502

Tamm L. Thoms is presently ill and is indebted for leave.

Salleys S. Wakeland, Secretary, Code 35B3

Salleys S. Wakeland is suffering from anxiety attacks, migranes, and side effects from the medication prescribed for these conditions.

Adriana E. Ledford, Secretary, Code 285

Adriana E. Ledford underwent emergency surgery to remove her appendix and cysts and is in need of leave.

Linnea M. Mackey, Administrative Assistant, Code 2502

Linnea M. Mackey is indebted for leave due to a prolonged hospital stay.

Todd Werme, Aerospace Engineer

Todd Werme suffers from Chronic Fatigue/Immune Dysfunction Syndrome and is in need of leave.

Joseph Shepter, Electronics Engineer, Code 3114

Joseph Shepter is recovering from a heart attack and has exhausted all leave.

Linda Harinek, Purchasing Agent, Code 254

Linda Harinek underwent open-heart surgery and is unable to return to work until March of 1992.

Martin Krammer, Mechanical Engineer, Code 3182

Martin Krammer underwent surgery for a double hernia and is in need of leave.

Jay Ward Hill, Electronics Technician, Code 6421

Jay Ward Hill is undergoing treatment for Valley Fever and is indebted for leave.

Shirley J. Eastman, Secretary, Code 2832

Shirley J. Eastman underwent hand surgery and is indebted for leave.

Geniveve Kash, Engineering Data Management Specialist, Code 36523

Geniveve Kash underwent surgery and is indebted for leave.

Sandy Joyal, Procurement Assistant, Code 254

Sandy Joyal broke her elbow, has undergone repeated surgery, and is indebted for leave.

Consultant.

Intended Audience: All employees.

Scope: The general themes of this 2-day TQM workshop are Deming's 14 Points, his 7 Deadly Diseases, and an overview of his Management System with emphasis on team problem-solving processes. The workshop will provide coaching on "What To Do" by addressing data-gathering steps (Process Flow Charting), problem identification (Brainstorming and Pareto Charting), problem analysis (Force-Field Analysis, Cause and Effect Analysis), and problem solution. Attention will be focused on "working on the right problem" and understanding the difference between symptoms and causes. During the discussion on "How To Do It," time will be devoted to understanding group dynamics and their application in developing problem solutions. Topics during this portion of the training will include developing facilitation skills, staying focused on the task,

maintaining effective teamwork, and dealing with dysfunctional behavior. One case study will be used near the end to bring the training together.

Note: Enrollments are on a call-in basis only—first to call, first to be placed. To enroll, or if you any questions, call ext. 2686.

HOW TO LIVE BENEATH YOUR MEANS (AND ENJOY IT) (2 hours)

29 January; Wednesday, 1600-1800; Training Center. By: Charla Green, MBA, CFP.

Scope: Have you been feeling like a financial failure? If so, now is the time to take action. "People don't plan to fail, they fail to plan." We all have opportunities when it comes to having money—we can make more or spend less. Some of us can borrow it, inherit it, or win the lottery (fat chance!). All of us can plan ahead, develop money-management skills, and TAKE CONTROL

of our financial lives. This course will show you ways to expand your resources, curtail spending, borrow wisely, prepare for the future, and avoid anxiety.

Presentation Method: Workshop.

Note: Enrollment is on a walk-in basis only. Space is limited. Point of contact is the Wellness Program Office at ext. 2468.

PREVENTION OF SEXUAL HARASSMENT (2.5 hours)

29 or 30 January; Wednesday or Thursday, 0900-1130 or 1300-1530; Mich Lab Conference Room 1000D. By: Lloyd Took, Civil Rights Attorney.

Scope:
I. Overview of Title VII
II. Sexual Harassment
A. Types of sexual harassment
B. Discussions of

(Continued on Page 3B)

Human Resources Development (Continued)

pertinent court cases

C. Forms of sexual harassment

D. Three types of harasser

1. Supervisor of victim
2. Co-worker of victim
3. Non employee

E. Legal Remedies

New guidance from the Department of the Navy mandates sexual-harassment-prevention training for ALL employees. This course fulfills this requirement and is particularly useful for supervisors. This course meets the supervisor's yearly EEO training requirements. An enrollment list for credit will be circulated at each session.

Note: This course is on a walk-in basis only. No training request is required. Point of contact is ext. 2686.

SYSTEMATIC TRAINING FOR EFFECTIVE PARENTING (STEP)—EARLY CHILDHOOD (12 hours)

29 January-18 March; Wednesday, 1130-1300; Bldg. 457 on Blandly. By: Janet Presley and Debra Oliver.

Scope: Early childhood STEP is designed especially for parents whose children are newborn through age five. The objective is to help parents gain parenting skills; understand children's behavior; and build self-esteem, communication, and a healthy family relationship. Topics to be covered in the eight sessions include the following:

- How a child's personality, social skills, belief systems, and lifestyle develop as the child grows from a toddler to a preschooler
- Misbehavior—what it is and what it is not
- How to recognize the purpose of a child's misbehavior and deal with it
- Why rewards and punishments do not work, and what does work
- How to encourage cooperation, communication, social skills, and self-esteem
- Ways to handle crying, tantrums, toilet training, lying, jealousy, and public misbehavior

Early Childhood STEP is based on the popular parenting program STEP (Systematic Training for Effective Parenting). Step has been used by more than 2 million parents of older children.

Presentation Method: Workshop.

Note: To enroll, call the Wellness Program Office at ext. 2468. Books will be available at the first session for \$10.00.

LOTUS 1-2-3 (16 hours)

3-6 February; Monday-Thursday, 0800-1130; Training Center. By: Daryl Vaughn, Code 224.

Scope: Hands-on microcomputer course designed to provide a basic understanding of spreadsheet systems. Spreadsheet design, creation, revision, formatting, and printing will be covered using Lotus 1-2-3.

Presentation Method: Hands-on workshop.

Note: Enrollments are filled as first application received, first approved.

NEW EMPLOYEE ORIENTATION (4 hours)

4 February; Tuesday, 0800-1130; (Continued on Page 4B)

PERSONNEL NEWS

Promotional opportunities

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

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

HOW TO APPLY: Submit the following: a current application, SF-171 or other Human Resources Department pre-approved form; a copy of your most recent annual performance assessment narrative (note: a copy of your performance plan should be attached if the annual performance narrative description does not clearly state the tasks/duties performed); and a completed Background Survey Questionnaire. A supplemental narrative which relates your qualifications to each knowledge, skill or ability (KSAs) as cited in the advertisement is always desirable and may be required if stated in the vacancy announcement. Write the title, series, level (grade), and announcement number on all application materials. Not submitting the annual performance narrative may adversely affect your evaluation scores. Prior to submitting your application, complete Cover Sheet Form 123352, available at the reception desk. Make sure your address, phone number, etc. are current, correct and that all forms are complete and accurate. If information is missing, your qualifications may not be fully and completely rated. Additional information cannot be submitted after the closing date of the announcement. A current date and a signature on the last page completes the application. Civilian Spousal Program Eligibles with competitive employment status must submit a copy of their sponsor's PCS orders with each application in order to be considered for Merit Promotion vacancies which do not state that status eligibles may apply.

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

Notice Regarding Drug Testing Designated Positions

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

No. 03-001, Administrative Officer, DP-341-3/4, Code 03

This position is located in the Naval Air Warfare Center, Weapons Division, Weapons Directorate Office and serves as the Administrative Officer. The position is responsible for providing all directorate level administrative support and is the single point of contact for those matters to all external entities. This includes developing directorate administrative policy, staffing the resolution of issues between department and other directorates, resource administration, and conducting studies and analysis for the purpose of organizational assessment, planning, and management. A principle responsibility of this position will be to coordinate administrative management issues and policy development between the Albuquerque, White Sands, China Lake, and Point Mugu sites. The function will be performed with matrix support only. The position will represent the administrative position of the Weapons Director, and will be responsible for instituting administrative improvements, efficiencies and quality. **Job Relevant Criteria:** Knowledge of personnel management in the Federal Sector; Knowledge of Total Quality Management concepts and practices; Knowledge and experience in administrative processes in R & D activities, major claimant and syscom; Ability to collect and analyze data; Ability to work effectively with other people; Ability to communicate effectively both orally and in writing. This position has DP-4 promotion potential, but is not guaranteed.

This position is located at China Lake, CA. This ad closes January 23, 1992.

No. 19-001, Supervisory Recreation Assistant, DG-0189-1/2, Code 194 (Corrects previous ad. This is a permanent position). Incumbent is responsible for supervisory controls and operation of a large gymnasium complex including athletic fields, tennis courts, racquetball courts, weight room, multipurpose court, locker rooms, sauna for women, steam room for men, and small resale operation. **Job Relevant Criteria:** Knowledge and working skills in these areas desirable; ability to deal effectively with patrons and MWR employees; ability to communicate effectively orally and in writing; and knowledge of affirmative action principles including a willingness to implement EEO practices. Full performance level: DG-2. May be required to complete a one-year supervisory probationary period.

No. 21-026, Supply Systems Analyst, DA-2003-2, Code 213 - Two positions in the Supply Division of the Military and Support Operations Department. Incumbent performs analysis of a wide variety of supply system and management problems. Performs contractor monitoring and surveillance to assist in evaluation of the supply operations contractor's performance in all areas of supply, including stock control, inventory management, receipt control, direct supply support units, transportation and personal property management. Assignments include developing contract performance work statements, sampling completed work units and report writing. **Job Relevant Criteria:** Knowledge of supply systems and procedures; knowledge of contract preparation and/or monitoring; ability to perform analysis; ability to communicate orally and in writing; ability to work effectively as a team member. DA-2 is the full performance level.

No. 24-003, Electronics Technician, DT-856-1/2/3, Code 2411 - This position is located in the Physical Security Branch, LEPS Division, Safety and Security Department. Incumbent performs maintenance, testing, troubleshooting, repairing and replacing components of an Intrusion Detection System (IDS) program and

assisting Branch Head and other IDS technicians. Incumbents must be able to obtain and maintain a Top Secret Clearance based on a background investigation. Individuals selected for these positions will be subject to urinalysis testing for use of illicit drugs. See "NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS" in "Promotional Opportunities" box above. **Job Relevant Criteria:** Knowledge of electronic principles; Ability to use electronic test equipment; Ability to read schematics and engineering drawings; Ability to work as a member of a technical team; Knowledge of alarm systems. Promotion Potential to DT-856-3.

No. 27-001, ADP Resources Manager, DP-301-3, Code 2742 - This position is Head, Information Systems Resource Management Branch, Code 2742. The incumbent performs technical reviews and evaluations of Federal Information Process (FIP) requests, participates in coordination and planning of China Lake FIP activities, conducts special FIP studies which affect short/long range technical strategy and policy, supports the preparation of the Information Technology (IT) budget for China Lake, and assumes the duties of Head, Code 274 in his/her absence. **Job Relevant Criteria:** Knowledge of FIP processes, IT budget components, SECNAVINST 5231.1B, and Federal Information Resource Management Regulations (FIRMR). Ability to gather and analyze data; ability to communicate orally and in writing; ability to interface with all levels of personnel. Full performance level for this position is DP-3.

No. 28-066, Accounting Technician, DG-0525-1/2/3, Code 2862 - This position is located in the Procurement Accounting Branch, Accounting Division, Office of the Comptroller. Incumbent serves as an accounting technician in the control and maintenance of procurement accounting records and subsidiary ledgers. Duties include the processing of various types of accounting records, recording and tracking commitments, obligations and accruals in the financial system; reviewing incoming contracts and amendments for accuracy and completeness; and researching and validating accounting transactions and auditing computer reports for accuracy. Incumbent has extensive contact NWC project, budget, and supply personnel and provides information on various vendor inquiries. **Job Relevant Criteria:** Knowledge of accounting policies and procedures; ability to research, comprehend and apply complex regulatory information; ability to communicate effectively both

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